

Organization of the 2008 IEEE International Ultrasonics Symposium (IUS)

--- Including a Historical Trend of the Conferences from 1962-2017

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General Chair

2008 IEEE International Ultrasonics Symposium (IUS)

Beijing International Convention Center (BICC)

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Navigation Tips

There are two ways to quickly navigate through this document. The first is to click on the bookmarks on the left pan of this PDF file. The second is to click on any item on the Table of Contents (TOC) below to jump to a topic or sub-topic. The “Introduction” section that immediately follows the TOC gives an overview of the document.

Update(s)

Added **Appendix X** (‘Mira Digital Publishing’ System for 2017 IEEE IUS) for the conference technical program and conference proceedings development. This appendix also includes 2017 IEEE IUS conference registration form and pages from a registration company called YesEvents. It may be useful for General Chairs, TPC Chairs, and TPC Group Chairs. Also, the conference history charts (**Section III**) and lists (**Appendix A**) are updated.

Notes

Please notice that there may also be a lot of useful information in the Appendices for future conference organizers. For example, Appendix A (List of Conferences from 1959-2017), Appendix C (Meeting Schedule), Appendices R-T (Agreements with vendors), Appendix V (Default Letters for the Technical Program), **Appendix W (Calendar of Events and Important Things Noted)**, and **Appendix X (“Mira Digital Publishing” System for 2017 IEEE IUS)** may be of particular interests.

Since the first draft of this document was sent out for comments on July 31, 2009, I have got more data from the Newsletters and the AdCom Minutes of the Ultrasonics, Ferroelectrics, and Frequency Control (UFFC) Society, from Dr. John Kosinski, the General Chair of 2007 IEEE IUS, Dr. Fred S. Hickernell, a former UFFC Newsletter Editor, and Dr. Herman van der Vaart, the Finance Chair of the UFFC Society, to make the historical charts of 1962-2008 more complete. Dr. Susan Trolier-McKinstry, the President of the UFFC Society, and Dr. Gerry Blessing, a former President of the UFFC Society, have made suggestions to

produce “**Appendix W. Calendar of Events and Important Things Noted**”, which is a shortened version of the document and could be easier to use. In addition, subsections, (i) “List of Short Courses” in Section IV, (ii) “Coffee Breaks” in Section VII, (iii) “Session Labels of Oral Presentations” in Section VIII, (iv) “Registration Kiosk”, (v) “Admin Center Home” in Section X, and (vi) “**Appendix W. Calendar of Events and Important Things Noted**”, have been added. I appreciate all who have provided data and/or made suggestions to improve the document.

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I. Introduction

IEEE International Ultrasonics Symposium (IUS) conferences are currently held once a year and are run by volunteers. In recent years, the conferences have grown to have more than 1000 attendees. To help organizers of future conferences to do a better job while spending less time and help anyone who would like to know more about our conferences and become a volunteer, I have been asked to write a document to provide more organization details of the 2008 IEEE IUS and show a historical trend of the conferences.

As you may know, the 2008 IEEE IUS has changed all of the vendors who have assisted the conferences in previous years. This was not planned when the conference was approved by the Ultrasonics Committee and the Administrative Committee (AdCom) of the IEEE Ultrasonics, Ferroelectrics, and Frequency Control (UFFC) Society (UFFC-S) on April 16 and 17, 2004, respectively. The first change was to discontinue the services of Oasis, a Coe-Truman Technologies, Inc., who had supported the technical program of both 2006 and 2007 IEEE IUS conferences by providing services such as supporting the 2nd Technical Program Committee (TPC) meeting, handling abstract submission, review, and assembly of accepted abstracts into the final conference program, and producing Program Book and Abstract Book for attendees. This is because the 2007 IEEE IUS strongly suggested us not to continue with Oasis. The second change was to stop working with the Federation of Animal Science Societies (FASS), who had handled the registration of our conferences for many years. This change was due to FASS would only like to bid for the services if we allow them to handle both the advance and on-site registrations. Because the conference was held in Beijing, China and we would like to use a local Chinese company to handle the on-site registration to reduce costs, FASS declined the bid for the services. The third change was to stop using the IEEE Conference and Custom Publishing (CCP) services to produce conference proceedings and online full paper submission since the quoted price by CCP was much higher than those of other vendors and thus would diminish the ability of the conference to serve our attendees if we continue to use the CCP services. The final change was due to the location of the conference (Beijing, China). To manage the conference effectively at a lower cost, we have contracted with a local conference vendor in China, the China International Conference Center for Science and Technology (CICCST – <http://www.ciccst.org.cn/>) to help us handle a range of local arrangement tasks. These tasks included on-site conference registration, negotiations of venue, audio/visual, hotels, visa, exhibits, Beijing local tours, post-conference China tours, logistics, and arrangements for poster boards, meals, book printing, and entertainments, etc. CICCST is a division under the China Association of Science and Technology (CAST – <http://english.cast.org.cn/>). The contract with CICCST has spelled out in details all the tasks above and thus might be of some uses for future conference organizers. (Please see “**Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS**” for details.)

The changes above have added challenges to the 2008 IEEE IUS because we need to find new vendors who have the technical capabilities to support the conference. In addition, we would like to seek new vendors who have a good master of modern technologies and have flexible software systems to adapt to the culture of our conferences so that they could do better jobs at lower prices. (From a software engineering point of view, software that has a good design philosophy can be changed easily to meet the needs of future customers. In contrast, inflexible software would need significant redevelopment of the entire software and would be expensive for even relatively minor changes.) Furthermore, the 2008 IEEE IUS needed not only to work hard with the new vendors to customize their software systems for the current conference, but also to think about the needs of our future conferences in case the organizers of those conferences decide to continue or resume working with these vendors. Fortunately, the 2008 IEEE IUS had found a company named Mira Digital Publishing with its headquarter in St. Louis, Missouri, USA (<http://www.miracd.com/>)

to handle the abstract submission (submitSMART module), review (reviewSMART module), announcement of review results, assembling the accepted abstracts into final conference program (programSMART module), producing electronic abstract book and program book, allowing attendees to put together their own programs before attending the conference (attendSMART module), converting the entire abstract submission site into a full paper submission site to produce multimedia DVD proceedings and produce IEEE Xplore compatible PDF papers that are ready to be uploaded into IEEE Xplore. The Mira system also has additional features to allow the conference organizers (such as the General Chair, TPC Chair, Group Chairs or TPC Vice Chairs, and reviewers) to get information they need and accomplish the tasks such as sending blast emails to selected groups of recipients. The use of Mira Digital Publishing for both the technical program and conference proceedings production has streamlined the database of abstract submission with that of paper submission (authors can use the familiar web interfaces and the same usernames/passwords for both submissions) and made overlength (extra) page charge collection seamless, improving the quality of services to the authors, reviewers, attendees, and the conference organizers while reducing the costs dramatically as compared to the option of using separate vendors to handle the abstract submission, paper submission, and overlength page charge fee collections, respectively. More importantly, the Mira software system has the flexibility that the 2008 IEEE IUS needs to make changes and customizations at only a small additional cost (the 2008 IUS has paid less than extra 5% of the total Mira contract for numerous customizations of the software system). In addition, the indexSMART module of the Mira Digital Publishing has comprehensive and easy-to-use browsing and searching capabilities for our context-sensitive multimedia DVD proceedings (ISBN: 978-1-4244-2480-1 and IEEE Catalog Number: CFP08ULT-DVD) that is the first in the 46-year history of the annual IEEE International Ultrasonics Symposia. Compared to the PDF-based CD proceedings that were produced in previous years, the DVD proceedings produced with the Mira indexSMART are web based and thus a lot of conference information that has already been formatted nicely on the conference website can be naturally and easily integrated to make a content-rich DVD. (For details of Mira services, please see “[Appendix S. Agreement - Mira Services for Technical Program and Conference Proceedings](#)”.)

As for the task of conference registration, we have selected a company called YesEvents (a company based on Baltimore, Maryland, USA; <http://www.yesevents.com/>) to handle the online registration and produce an Administration Center (Admin Center) that is an intuitive and easy-to-use interface between the online and on-site registrations. YesEvents was chosen because it has a nice realtime reporting system that allows conference organizers to monitor up-to-the-moment progress of the registration 24 hours a day and 7 days a week anywhere in the world, in addition to its flexibility to accommodate different registration scenarios at a reasonable cost. The Admin Center is a creation of YesEvents for the 2008 IEEE IUS to allow CICCST, the local Chinese company, to use it for tasks of the on-site registration. The Admin Center not only allows both the conference organizers and the on-site registration company to monitor the registration status in realtime and add registration items, but also captures the entire registration database and makes it available for downloading into a Microsoft Excel spreadsheet for an easy and accurate reconciliation of registration fees collected by both the online and on-site registrations. Although the Admin Center has taken YesEvents hundreds of hours of programming time to complete, and the 2008 IEEE IUS has spent enormous amount of time to ensure that it functioned as we desired, it is worthwhile since the Admin Center would also benefit our future conferences if their organizers decide to continue or resume using YesEvents services and thus capitalize the investments that the 2008 IEEE IUS has made. (Detailed tasks requested by the 2008 IEEE IUS for YesEvents to accomplish can be found in “[Appendix T. Agreement - YesEvents Registration Services](#)”.)

Despite the challenges above and many other China specific challenges, the 2008 IEEE IUS was held successfully at the Beijing International Convention Center (BICC), Beijing, China, from November 2-5, 2008, thanks to the efforts of the Conference Organizing Committee, Technical Program Committee (TPC),

Administrative Committee of the IEEE UFFC Society, Officials of the UFFC Society, Acoustical Society of China, Institute of Acoustics of Chinese Academy of Sciences, staff and volunteers, and all attendees.

Since running a conference of this scale is complex and involves many details, it would be difficult to write a document that it is complete. In addition, although I have been involved with the organizations of the IEEE IUS conferences as a General Chair of the 2008 IEEE IUS, the Technical Program Committee Chair of the 2001 IEEE IUS – A Joint Conference with World Congress on Ultrasonics (WCU), Exhibition Chairs of several previous IEEE IUS conferences, and a TPC member, my experiences are limited. Moreover, each conference is unique in many ways. For example, many conferences might not have to change all the vendors at the same time that may require a lot of extra efforts, many geographical areas may have their unique challenges, and each team of organizers may be different. Therefore, this document may serve only as a reference or as a reminder that some tasks might need to be considered in advance for a more successful conference in the future.

If you have any suggestions or comments, please let me know.

Sincerely,

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2008 IEEE International Ultrasonics Symposium

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II. Society and Conference Information

II.1. IEEE and UFFC Societies

1. The Institute of Electrical and Electronics Engineers (**IEEE**), Inc. is an international volunteer organization of hundreds of thousands of members worldwide. It covers many multi-disciplinary engineering fields as well as all traditional electrical engineering areas. Its website is at:

<http://www.ieee.org/>

and a brief introduction of IEEE can be found in a free encyclopedia, Wikipedia, at:

http://en.wikipedia.org/wiki/Institute_of_Electrical_and_Electronics_Engineers

2. The IEEE **Xplore** is a digital library that contains all IEEE publications, including journals, conference proceedings, newsletters, and more:

<http://ieeexplore.ieee.org/>

3. The Ultrasonics, Ferroelectrics, and Frequency Control (**UFFC**) Society is one of the dozens of societies and centers that form the IEEE. It includes ultrasonics, ferroelectrics and frequency control areas as its name implies. Its website is accessible at:

<http://www.ieee-uffc.org/>

and a brief introduction of it can be found in a free encyclopedia, Wikipedia, at:

http://en.wikipedia.org/wiki/IEEE_Ultrasonics,_Ferroelectrics_%26_Frequency_Control_Society

4. The IEEE UFFC **Digital Archive** is a digital depository containing the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC) (1954-present), Proceedings of the IEEE International Ultrasonics Symposia (IUS) (1970-present), Proceedings of IEEE International Symposia on Applications of Ferroelectrics (1986-present), Proceedings of the Annual IEEE International Frequency Control Symposium (1956-present), many books, all UFFC newsletters (1953-present), several special issues, reports, and more. Only IEEE UFFC members have an access to the full-text articles in this archive. It is accessible at:

<https://ieee-uffc.org/publications/>

II.2. 2008 IEEE International Ultrasonics Symposium

1. The 2008 IEEE International Ultrasonics Symposium (**IUS**) was held in Beijing International Convention Center (BICC), Beijing, China, from November 2-4, 2008. The website of the conference (now saved in the 2008 IEEE IUS Proceedings DVD of ISSN: 0117; ISBN: 978-1-4244-

2480-1; and IEEE Catalog Number: CFP08ULT-DVD) contains a lot of information that is used in this document. The address of the website is at:

http://ewh.ieee.org/conf/ius_2008/

2. The 2008 IEEE International Ultrasonics Symposium *Proceedings* are published in two formats. One is DVD that contains multimedia contents and advanced Mira indexSMART browsing and searching capabilities and the other is in softbound print version that is published by IEEE on demand. The proceedings are accessible from the IEEE UFFC society website as well as IEEE Xplore. To order the DVD and/or softbound print version of the proceedings, please use the following information:

IEEE Catalog Number:	CFP08ULT-DVD (For DVD)
	CFP08ULT-PRT (For Softbound)
ISBN:	978-1-4244-2480-1 (For DVD)
	978-1-4244-2428-3 (For Softbound)
ISSN:	1051-0117
Library of Congress:	73-641406

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One could also purchase the 2008 IEEE IUS Proceedings from an IEEE partner from the following website (currently, the price is \$676 for nonmembers and \$338 for members):

<http://www.proceedings.com/05047.html>

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Pages: 0
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Figure II-1. Purchasing the 2008 IEEE IUS Proceedings

III. A Brief History of IEEE International Ultrasonics Symposia

The IEEE UFFC Society runs three major conferences each year. (1) IEEE International Ultrasonics Symposium (IUS), (2) IEEE International Symposium on Applications of Ferroelectrics (ISAF), and (3) IEEE International Frequency Control Symposium (IFCS). However, this document will focus only on IEEE IUS.

The first **annual** Ultrasonics Symposium was held from November 28-30, 1962, in the name of “1962 Ultrasonics Symposium”, at Horace Mann Auditorium, New York City, New York, U.S.A, sponsored by the Professional Group on Ultrasonics Engineering, Institute of Radio Engineers. The General Chair was J. E. May, Jr. and the conference registration fee was \$3. No conference proceedings were produced except a conference program book that contains both the program and abstracts. Since then, the conference is run once a year. (Before the annual Ultrasonics Symposium started in 1962, there was a 1959 National Ultrasonics Symposium that was a one-day conference at the Stanford University, Stanford, California, U.S.A. on August 17, 1959. The conference had about 50 attendees and there were 15 papers presented. The General Chair was Vincent Salmon and the registration fee was also \$3.)

Over the years, there have been many changes to the IEEE IUS. A detailed list of data of the IEEE IUS from 1959-2017 is given in “**Appendix A. IEEE International Ultrasonics Symposium (IUS) from 1959-2017**”. The figures below may serve as a starting point for future conferences to expand. They may be used as a guide for our future conference organizers.

Notes: The data below were collected from the Proceedings and Program Books of previous conferences, UFFC Newsletters, and miscellaneous sources such as the Federation of Animal Science Societies (FASS) in the past and from the presentations of Dr. Maurício Pereira da Cunha, the TPC Chair of the 2007 IEEE IUS. To make data comparable from year to year, invited talks are included in the total number of abstracts whenever possible. In addition, guests, exhibitors, and staff are added to the total number of attendees if data are available. Since not all past data are clear about the inclusions, the charts are approximate and for reference only. Other contributors of data and those who have made suggestions to improve the document are acknowledged at the beginning of the document (please see “Notes” there).

In terms of getting data, there have been some difficulties. I have recently asked FASS to provide us data that were missing in the charts below, but FASS said most of the data of our conferences are no longer available from their current computer system. If we need data, we have to pay at least two hours of manpower so that they could try to find the data from their archives. Therefore, the process to request past data from a vendor could be time consuming and expensive since we may need data of different categories requested from different committees of the UFFC Society from time to time. Fortunately, for the 2008 IEEE IUS, both YesEvents, the company who handled our conference registration, and Mira Digital Publishing, who supported our technical program and publication of our conference proceedings, have all made Microsoft Excel Spreadsheets that contain all the necessary information we could possibly need and thus we do not need to go back to request data from the vendors once the conference has downloaded the spreadsheets that have been customized or specifically developed according to the designs and instructions of the 2008 IEEE IUS (please see “Spreadsheet from Abstract Submission”, “Spreadsheet of Paper Submission Database”, and “Spreadsheet of Registration Database” in Sections VIII, IX, and X of this document, respectively).

III.1. History of Conference Name Changes

The conference names have been changed over the years as follows:

- 1962-1963 Ultrasonics Symposium
- 1964 Symposium on Sonics and Ultrasonics
- 1965-1966 Ultrasonics Symposium
- 1967 IEEE Symposium on Sonics and Ultrasonics
- 1968-1993 IEEE Ultrasonics Symposium
- 1994-2003 IEEE International Ultrasonics Symposium (IUS)
- 2004 IEEE International Ultrasonics, Ferroelectrics, and Frequency Control Joint 50th Anniversary Conference
- 2005-2017 IEEE International Ultrasonics Symposium (IUS)

III.2. History of Name Changes of Conference Proceedings

The names of the conference proceedings have also been changed. Please notice that the 2008 IEEE IUS has changed the name of the proceedings again by adding “International” after “IEEE”. The change was in response to a previous UFFC AdCom motion and to reflect the changed name of our conferences in the past 15 years (see the name changes of the conferences above).

- 1962-1969: None
- 1970 Ultrasonics Symposium Proceedings (11 Invited Papers only)
- 1971: None
- 1972-1983 Ultrasonics Symposium Proceedings
- IEEE 1984-1993 Ultrasonics Symposium Proceedings
- 1994-2007 IEEE Ultrasonics Symposium Proceedings
- 2008-2017 IEEE International Ultrasonics Symposium Proceedings
- Note: 2008 IEEE International Ultrasonics Symposium Proceedings (the name was changed in response to a previous motion of the UFFC Administrative Committee) – This is the first multimedia and DVD (instead of CD) proceedings with advanced Mira IndexSMART browsing and searching capabilities.

III.3. History of Conference Sponsoring Societies

Over the years, the name of the sponsoring society is also changed:

- 1962: Professional Group on Ultrasonics Engineering, Institute of Radio Engineers (IRE)
- 1963: Professional Technical Group on Ultrasonics Engineering, IEEE
- 1964-1967: Sonics and Ultrasonics Group, IEEE
- 1968-1985: Group on Sonics and Ultrasonics, IEEE
- 1986-2017: Ultrasonics, Ferroelectrics, and Frequency Control Society, IEEE

III.4. Number of Attendees of the Conferences (1959-2017)

The number of attendees since 1959 is shown in the following chart (whenever possible, guest registrants, exhibitors, and staff are included in addition to technical program attendees):

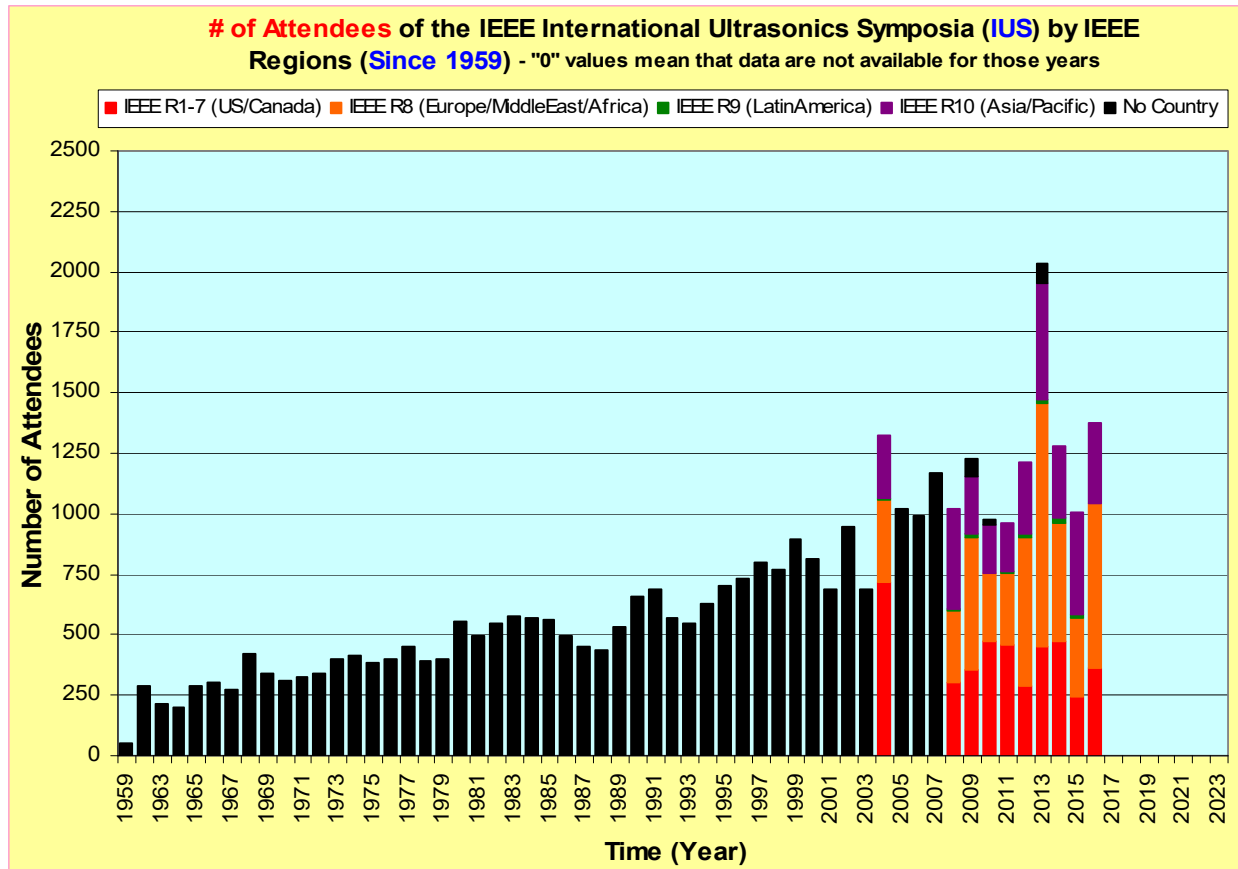


Figure III-1. Number of attendees

The IEEE Regions are of the following meanings: (1) Regions 1-7: USA and Canada; (2) Region 8: Europe, Middle East, and Africa; (3) Region 9: Latin America; (4) Region 10: Asia and Pacific. Since some of the entries may not have a country associated with them, they are placed in “No Country” category.

Please notice that the 2004 and 2013 IEEE IUS are joint conferences (2004 IEEE International Ultrasonics, Ferroelectrics, and Frequency Control Joint 50th Anniversary Conference, and 2013 IEEE UFFC-S Joint Conference - A Joint meeting of IUS, ISAF, IFCS, EFTF, and PFM) and thus the data for these years may be atypical.

III.5. Number of Abstracts Submitted to the Conferences (1959-2017)

The number of abstracts submitted since 1959 is shown in the following chart (“0” values mean that data are not available to me at the moment for those years, and if the entire bar is black, the data are not separated into groups) (for the 2008 IEEE IUS, the number of papers submitted are only those submitted “Successfully” in the Mira system):

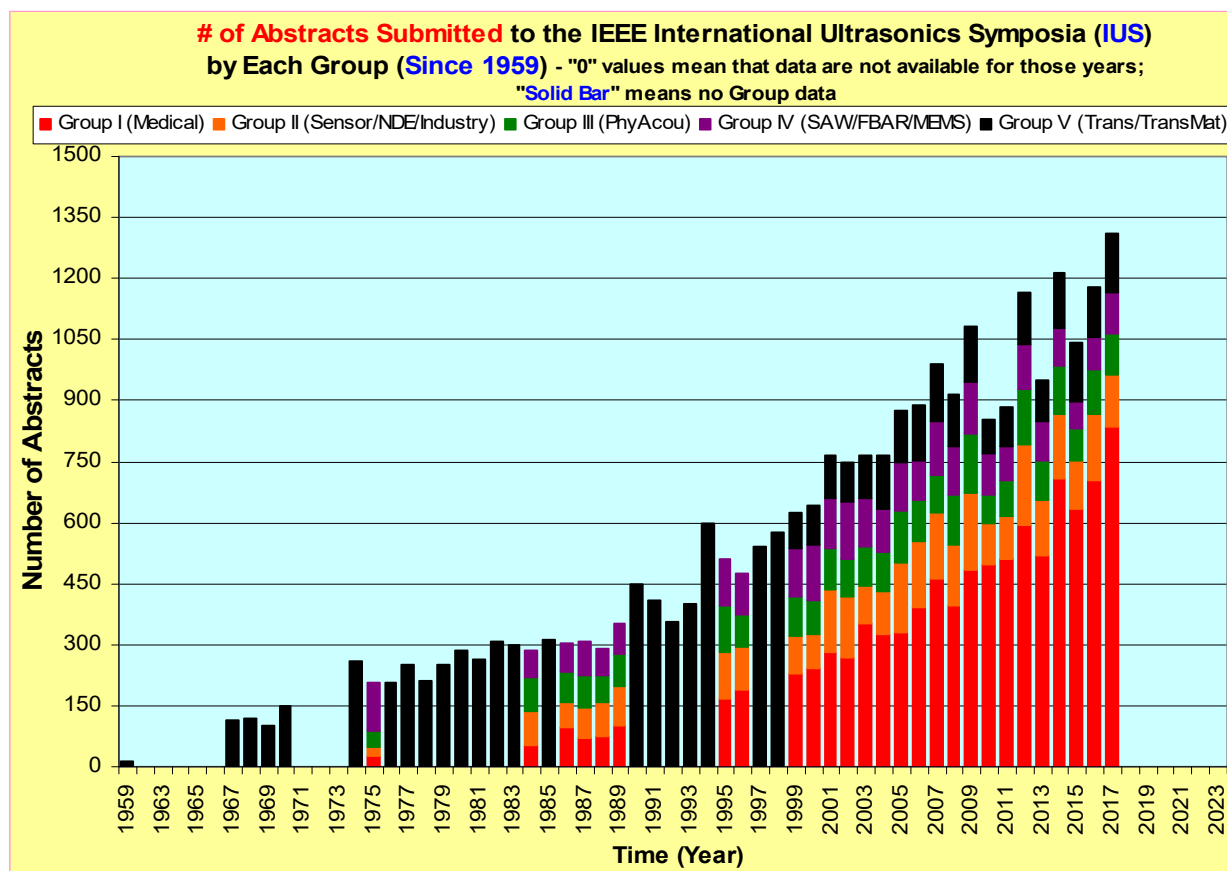


Figure III-2. Abstracts submitted

The five groups in the chart above are defined as follows (there may be fewer groups in early years):

- **Group I:** Medical Ultrasonics
- **Group II:** Sensors, NDE, and Industrial Application
- **Group III:** Physical Acoustics
- **Group IV:** Microacoustics - SAW, FBAW, MEMS
- **Group V:** Transducers and Transducer Materials

The number of abstracts submitted by each Group using a line plot is give below:

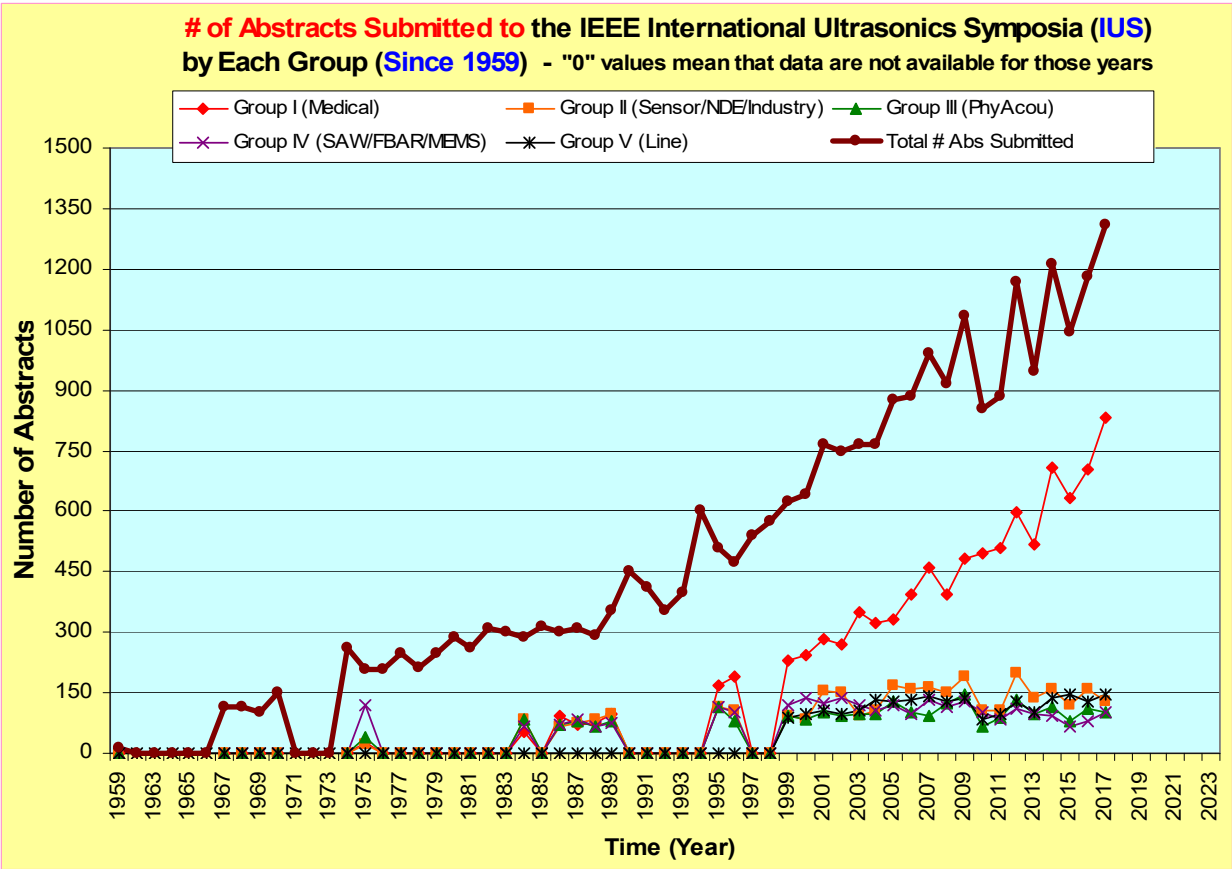


Figure III-3. Abstracts submitted

III.6. Number of Abstracts Accepted (1959-2017)

The number of abstracts accepted since 1959 is shown in the following chart (in some years, data from each Group are not available and thus only a total number of accepted abstracts are displayed with a solid black bar):

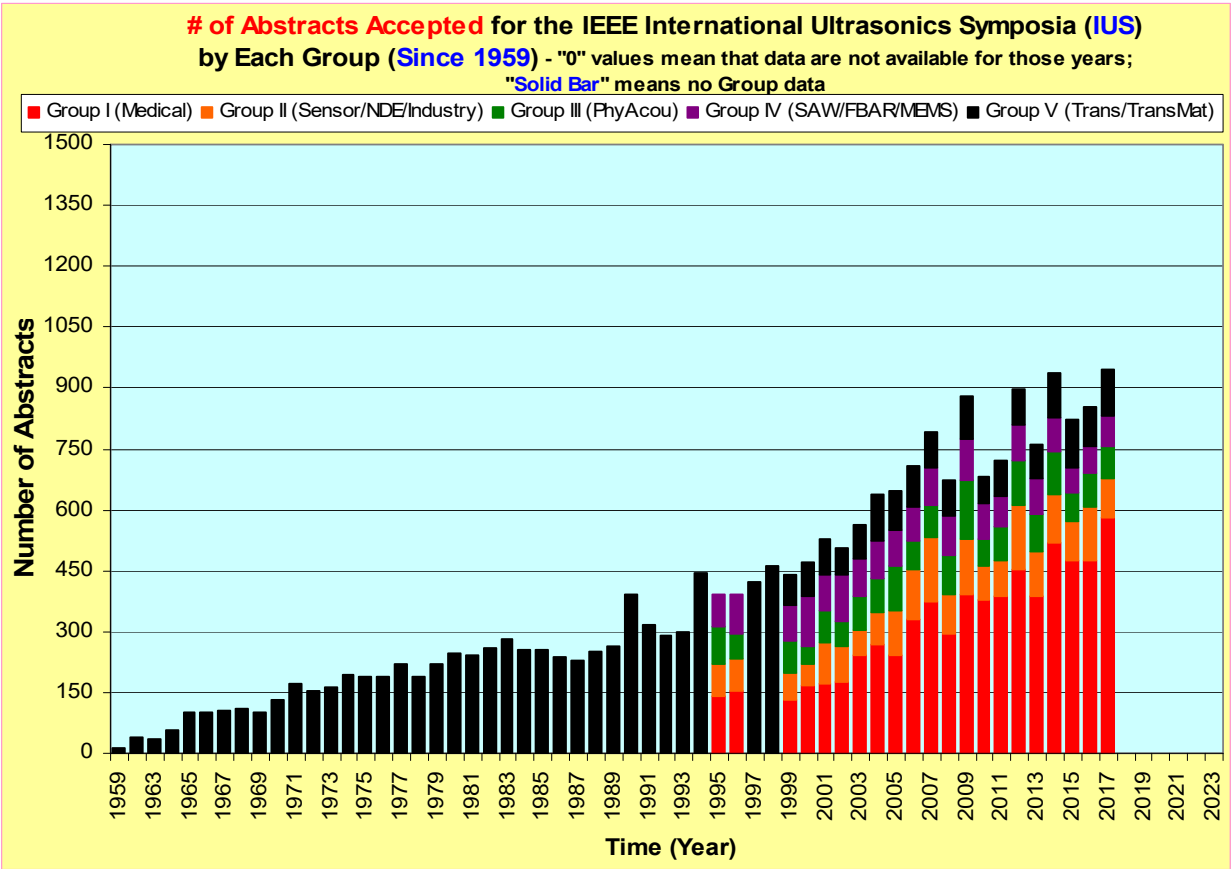


Figure III-4. Abstracts accepted

The following figure shows the abstract rejection rate of each of the 5 Groups (it is noticed that the rejection rate is more uniform over all groups in 2017):

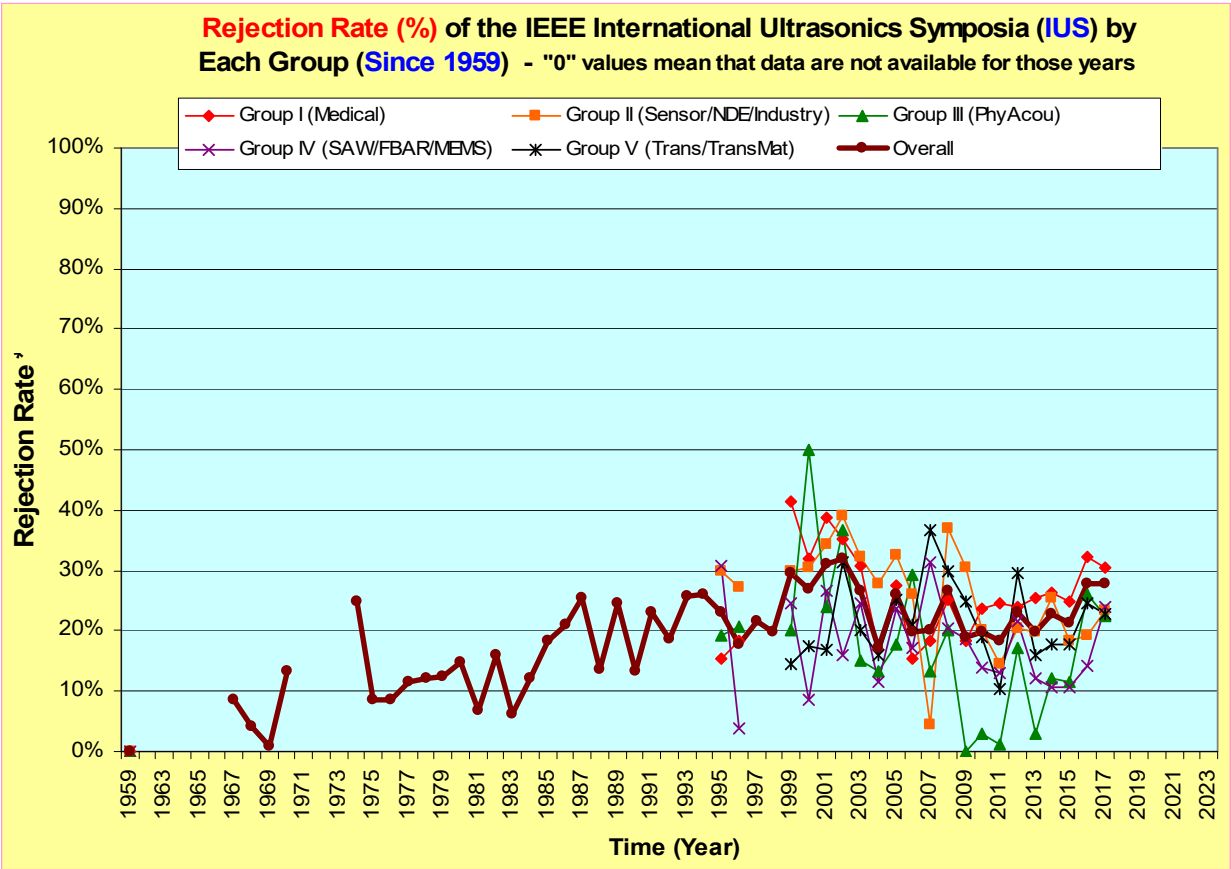


Figure III-5. Abstract rejection rate

III.7. Number of Abstracts Accepted and Rejected by the Conferences (1959-2017)

The number of abstracts accepted and rejected since 1959 is shown in the following chart (“0” black bar length means that the rejection data are not available to me at the moment for those years) (some of the data were obtained by counting the number of abstracts in the Program Books or Abstract Books, and thus may contain duplications of Student Competition papers that appear in both oral and poster sessions):

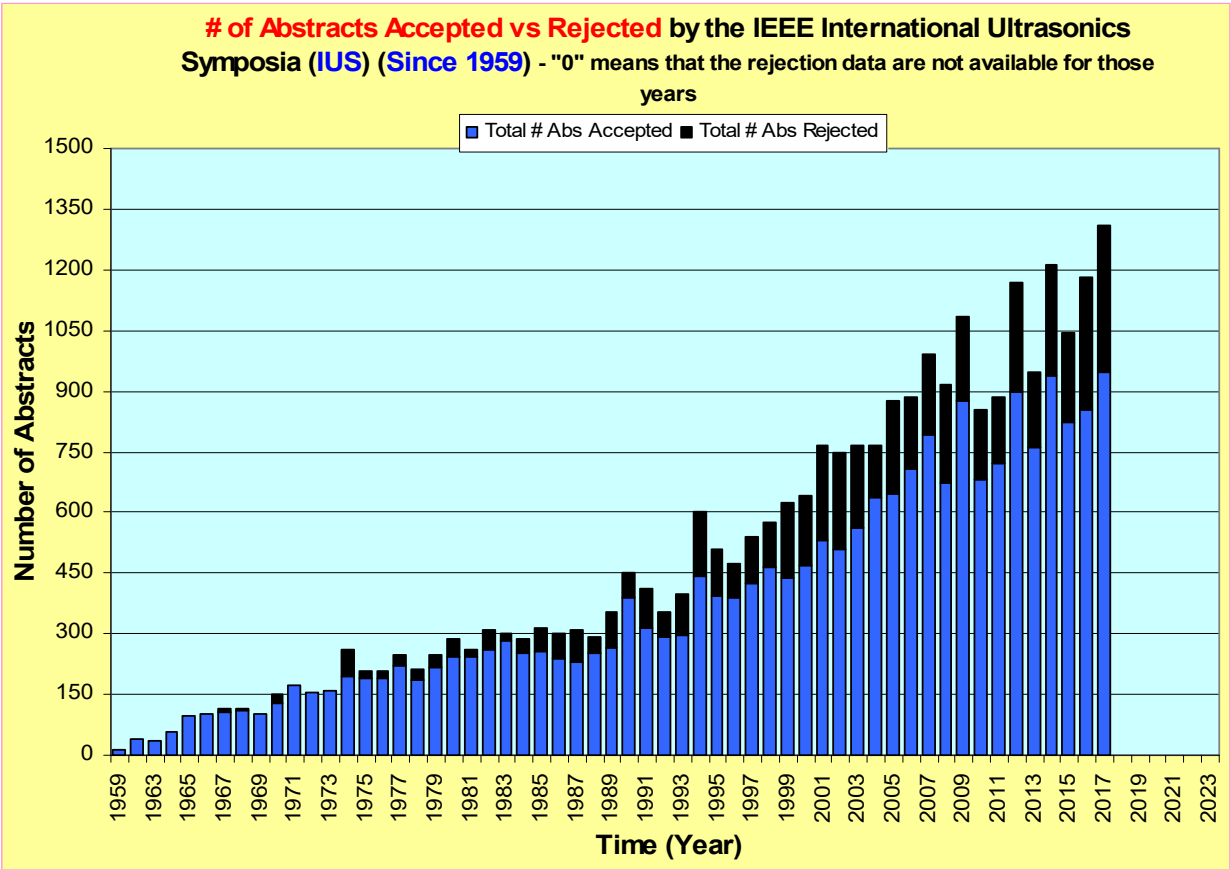


Figure III-6. Abstracts accepted and rejected

III.8. Number of Papers Published in Proceedings (1959-2017)

The following chart shows the number of papers published in the proceedings (“0” values mean that no proceedings were published in those years) (data were obtained from the published proceedings):

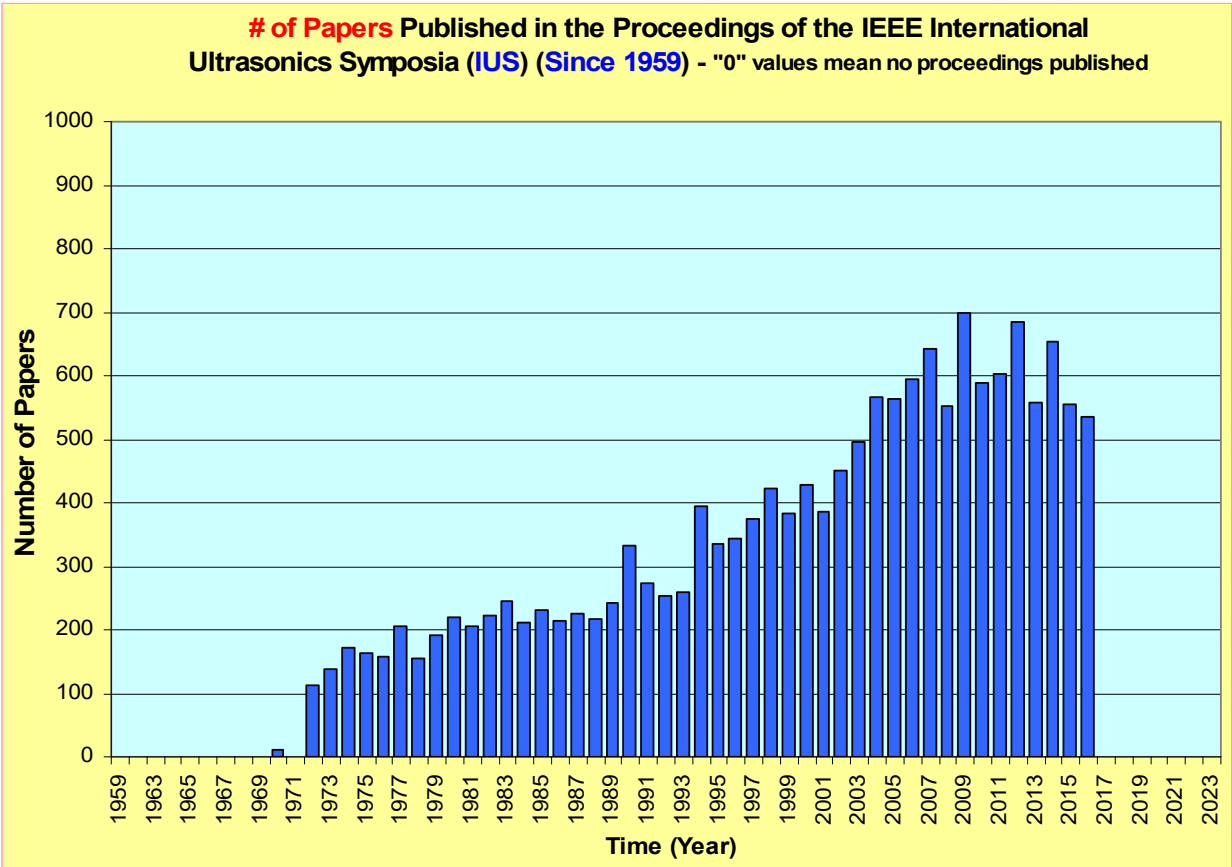


Figure III-7. Proceedings papers published

The ratio between the number of proceedings papers published and the number of accepted abstracts is given below:

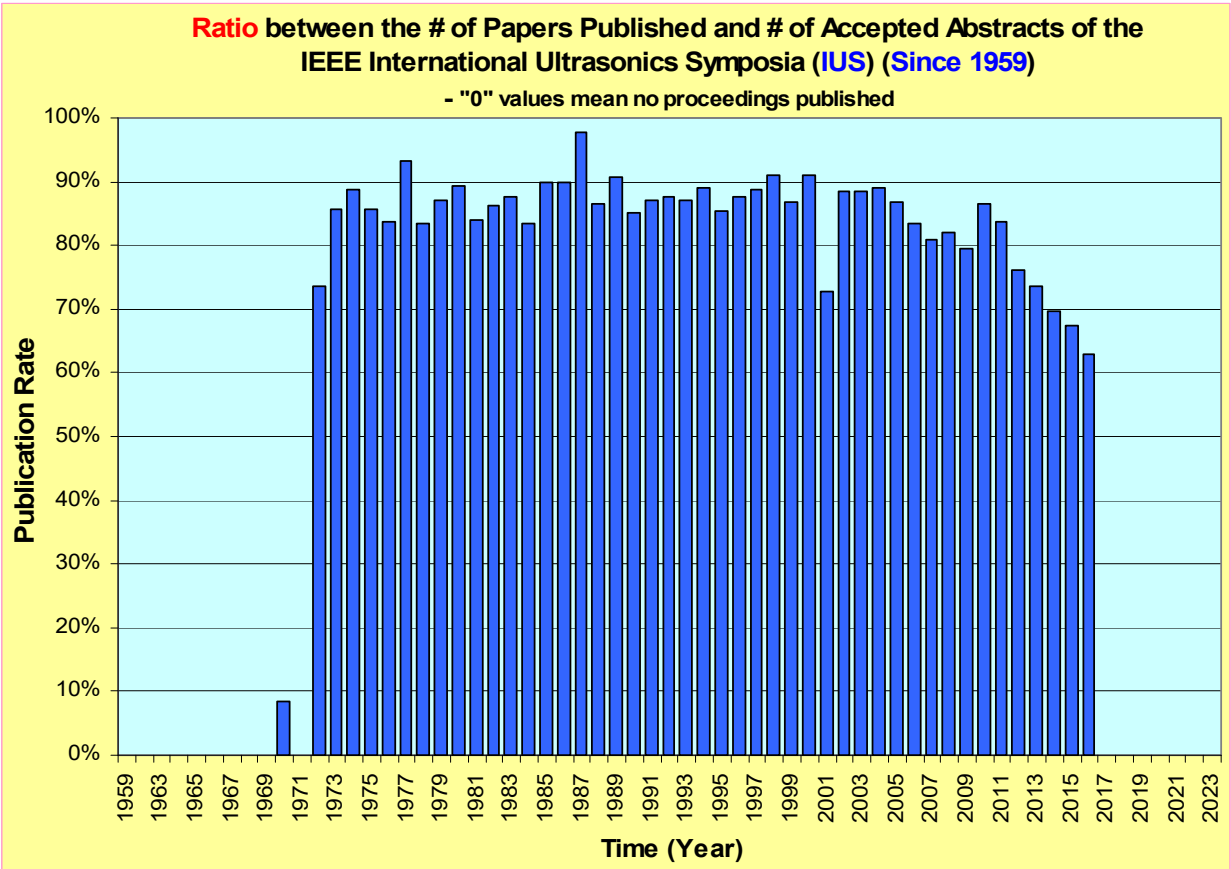


Figure III-8. Paper submission rate

III.9. Conference Registration Fees (1959-2017)

The trend of conference registration fees since 1959 is shown in the chart below (“0” values mean that data are not available to me at the moment for those years). It is plotted according to 8 registration categories, Advance Members (M, Adv), On-site Members (M, Onsite), Advance Non-members (NM, Adv), On-site Non-members (NM, Onsite), and 4 Students categories (most of data were obtained from the Program Books available):

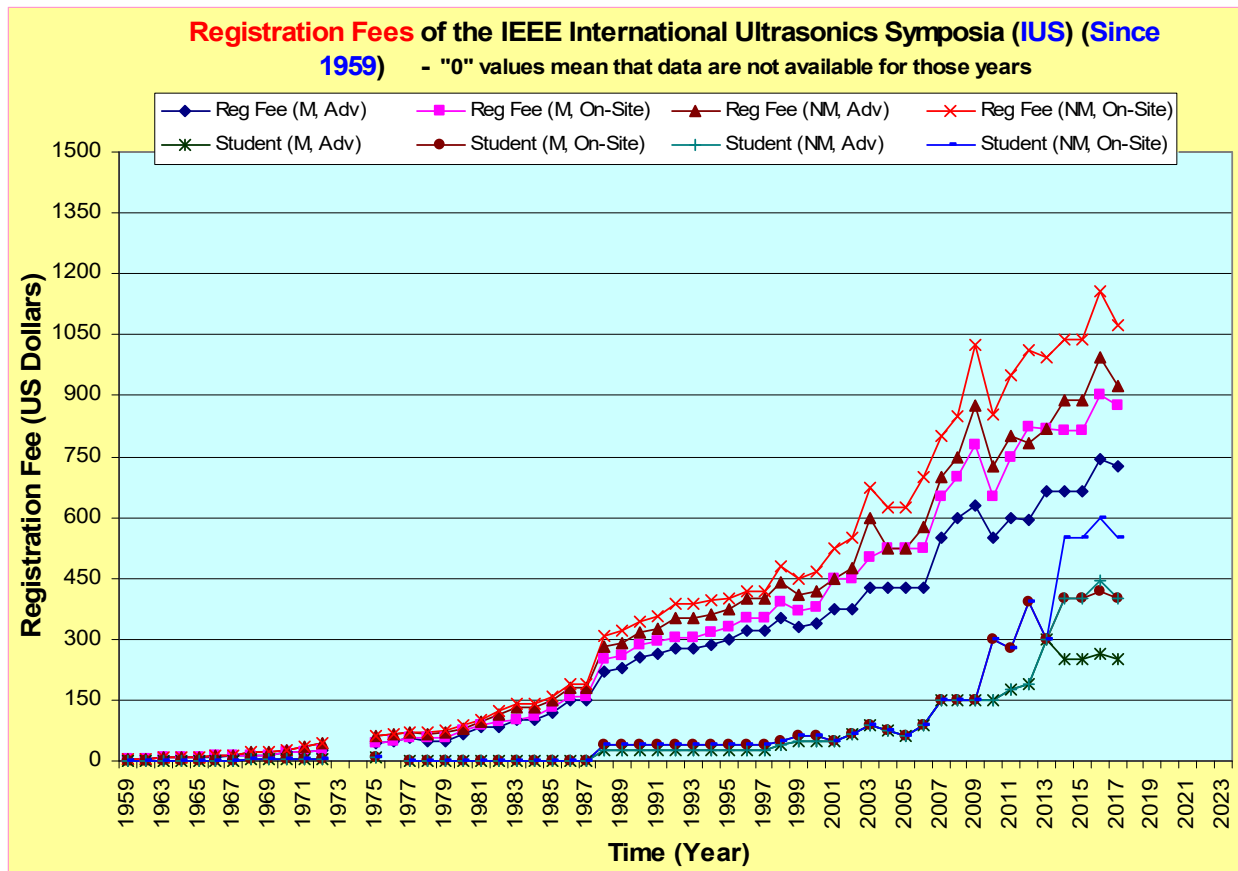


Figure III-9. Conference registration fees

III.10. Estimated Maximum Number of Attendees of Each Group

The estimated maximum number of attendees attending oral sessions in each of the 5 technical groups may be used by future conference organizers to determine how big a room may be needed for a group. There were 65 oral sessions in the 2008 IEEE IUS. Session chairs were asked to fill out the Session Summary Form (see “[Appendix P. Session Summary Form](#)”) and return it to the conference registration desk. All session chairs of the oral sessions have returned the Session Summary Form. However, out of the 65 oral sessions, the chairs of 16 (or about 25%) sessions did not estimate the number of people who attended the session that he/she chaired. There were 40 poster sessions in the 2008 IEEE IUS excluding the student poster session. Among the 40, chairs of 3 (7.5%) sessions have not returned the Session Summary Form.

Session Summary Form contains the presenter information in a session and thus is very important for our conferences since any papers that have not been properly presented will not be published in the conference proceedings. To ensure forms are not lost, for the 2008 IEEE IUS, the Proceedings Chair, Dr. Kendall Waters, collected the forms a couple of times a day from a box on the conference registration counters.

The following is a list of the estimated maximum number of people who attended the oral sessions in each of the 5 technical groups of the 2008 IEEE IUS from the data available (please notice that even within each Group, the maximum number of people attending each session is different, and also, the estimation for Group I may be lower than the real number):

- **Group I:** Medical Ultrasonics – 200
- **Group II:** Sensors, NDE, and Industrial Application – 245
- **Group III:** Physical Acoustics – 95
- **Group IV:** Microacoustics - SAW, FBAW, MEMS – 150
- **Group V:** Transducers and Transducer Materials – 100

IV. Statistics of the 2008 IEEE International Ultrasonics Symposium (IUS)

IV.1. Statistics

Detailed data of the 2008 IEEE International Ultrasonics Symposium (IUS) have been collected. Statistical charts of the data were obtained from the spreadsheets (see “Spreadsheet from Abstract Submission”, “Spreadsheet of Paper Submission Database”, and “Spreadsheet of Registration Database” in Sections VIII, IX, and X, respectively) and are on the conference website that has been saved in the 2008 IEEE IUS Proceedings DVD (ISBN: 978-1-4244-2480-1 and IEEE Catalog Number: CFP08ULT-DVD). The charts are also shown below (please notice that the country counts of the charts do not include those of coauthors):

1. Accepted abstracts (674) from 37 countries:

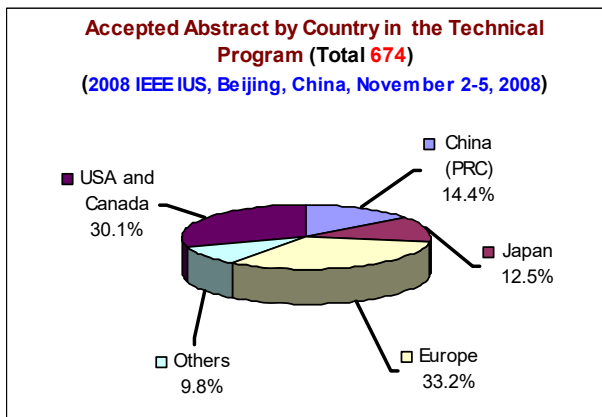


Figure IV-1. Abstract accepted

2. Conference Registration from 32 countries:

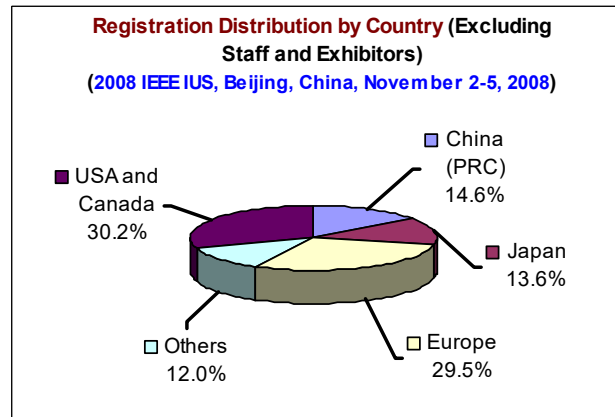


Figure IV-2. Conference registrations

3. Attendees (1023) in 10 categories:

(Note: Most complimentary (or “COMP”) registrants are invited speakers)

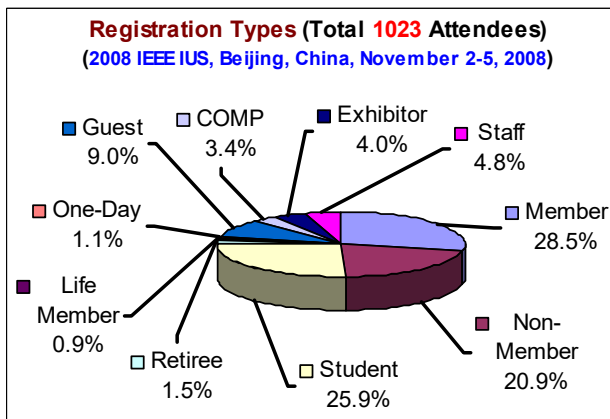


Figure IV-3. Registration types

4. Papers (553) published from 32 countries:

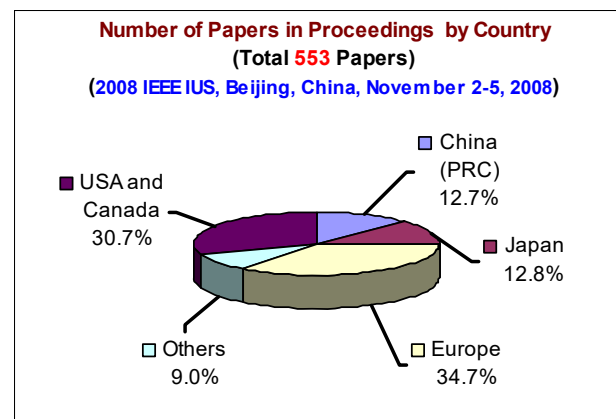


Figure IV-4. Papers by countries

5. Papers (553) published in 3 categories:

6. Papers (553) published from accepted abstracts (674):

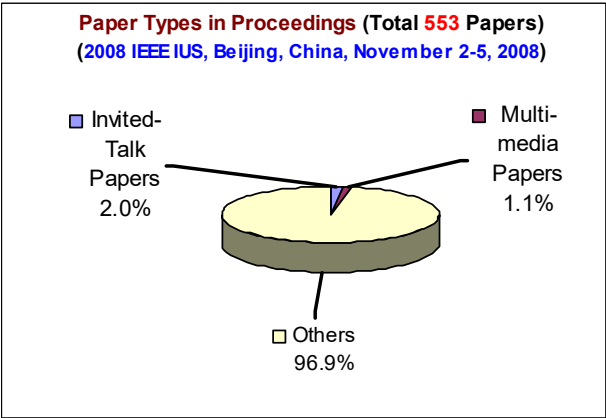


Figure IV-5. Papers by types

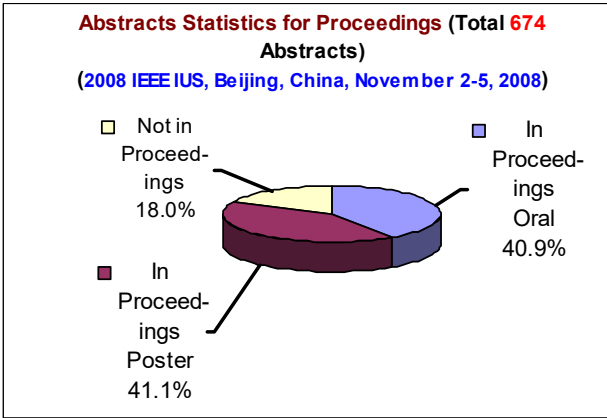


Figure IV-6. Accepted abstracts in proceedings

7. Presentations of accepted abstracts (674):

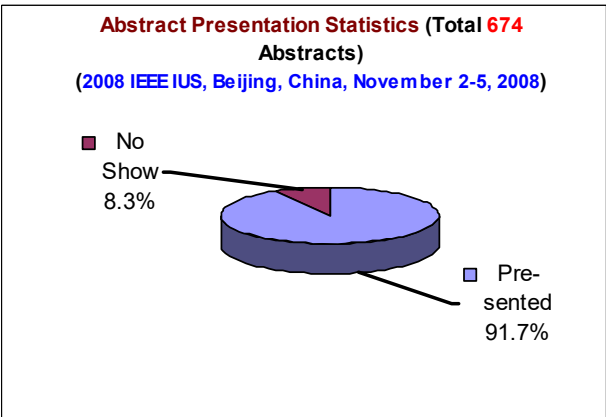


Figure IV-7. Abstracts presented

8. Categories of papers not published (121):

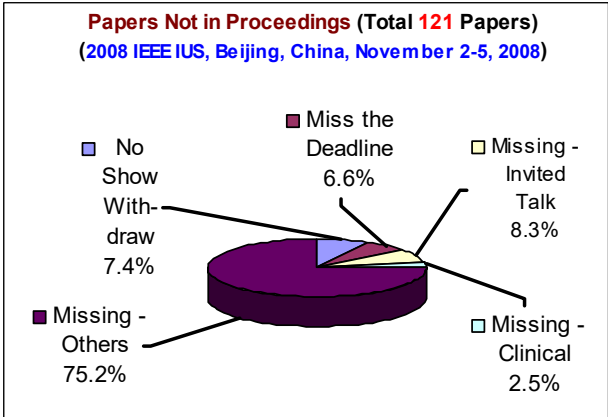


Figure IV-8. Papers not published

9. Short course registration (292) types:

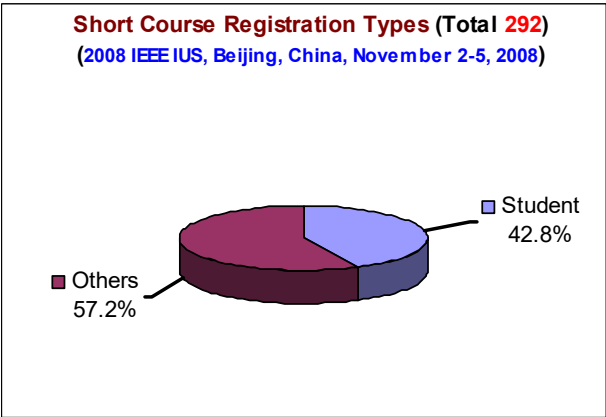


Figure IV-9. Short course registration

10. Attendances (total 292) of each of the 12 short courses:

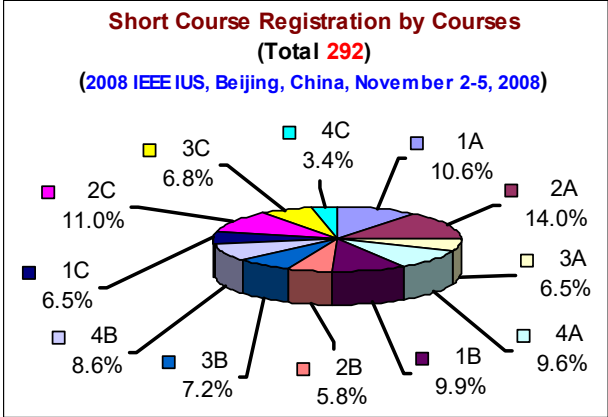


Figure IV-10. Registration in each short course

IV.2. List of Short Courses

A list of the 12 short courses in the chart above is given below:

8:00 A.M. - 12:00 Noon, Sunday, November 2, 2008:

- **Short Course 1A (Conference Room 311A/B):** Medical Ultrasound Transducers, *Douglas G. Wildes and L. Scott Smith*, GE Global Research Center, Niskayuna, NY, USA.
- **Short Course 2A (Conference Room 307):** Ultrasound Imaging Systems: from Principles to Implementation, *Kai E. Thomenius*, GE Global Research Center, Niskayuna, NY, USA.
- **Short Course 3A (Conference Room 308):** Photoacoustic Imaging and Sensing, *Stanislav Emelianov*, Biomedical Engineering Department, University of Texas at Austin, USA.
- **Short Course 4A (Conference Room 311C):** Estimation and Imaging of Tissue Motion and Blood Velocity, *Hans Torp and Lasse Lovstakken*, Department of circulation and medical imaging, Norwegian University of Science and Technology, Trondheim, Norway.

1:00 P.M. - 5:00 P.M., Sunday, November 2, 2008:

- **Short Course 1B (Conference Room 311A/B):** Ultrasound Elastography: Quantitative Approaches, **Jeffrey Bamber and **Paul Barbone*, *Institute of Cancer Research and Royal Marsden Hospital, UK. **Boston University, USA.
- **Short Course 2B (Conference Room 307):** Acoustic Microscopy - Fundamentals and Applications, **Roman Gr. Maev, **Naohiro Hozumi, ***Kazuto Kobayashi, and ****Yoshifumi Saijo*, *Centre for Imaging Research and Advanced Materials Characterization, University of Windsor, Ontario, Canada. **Department of Electrical & Electronic Engineering, Aichi Institute of Technology, Toyota, Japan. ***Honda Electronics Co. Ltd., Aichi, Japan. ****Tohoku University, Sendai, Japan.
- **Short Course 3B (Conference Room 308):** Therapeutic Ultrasound, *Lawrence A. Crum*, Applied Physics Laboratory, University of Washington, Seattle, WA, USA.
- **Short Course 4B (Conference Room 311C):** SAW Modeling Techniques, *Victor P. Plessky*, GVR Trade SA, Bevaix, Switzerland.

6:00 P.M. - 10:00 P.M., Sunday, November 2, 2008:

- **Short Course 1C (Conference Room 311A/B):** Ultrasound Contrast Agents: Theory and Experiment, **Nico de Jong and **Michel Versluis*, *Erasmus MC, The Netherlands. **University of Twente, The Netherlands.
- **Short Course 2C (Conference Room 307):** CMUTs: Theory, Technology, and Applications, *B.T. Khuri-Yakub, Ömer Oralkan, and Mario Kupnik*, E.L. Ginzton Laboratory, Stanford University, USA.
- **Short Course 3C (Conference Room 308):** Time Reversal Acoustics, *Mathias Fink*, École Supérieure de Physique et de Chimie de la Ville de Paris, France.
- **Short Course 4C (Conference Room 311C):** Acoustical Near-Field Imaging, *Walter Arnold*, Fraunhofer Institute for Non-Destructive Testing, Saarbrücken, Germany.

V. Major Conference Tasks and Venue Selection

To select a proper venue for the 2008 IEEE International Ultrasonics Symposium (IUS), the organizers first considered the following activities of November 1-5, 2008 (a detailed list of these activities are in “[Appendix C. Meeting Schedule](#)”):

- Conference registration (November 1-5) – *On-site registration that needs a space*
-
- Short courses (November 2) – *Requires rooms, A/V, and coffee breaks*
- Plenary session (November 3) – *Requires a room, A/V, and a speaker*
- Technical sessions – oral (November 3-5) – *Requires rooms, A/V, and coffee breaks*
- Technical sessions - posters (November 3-5) – *Requires spaces*
- Audio and visual (November 3-5) – *Need to support both technical program and committee meetings*
- Exhibits (November 3-5) – *Require spaces and logistics*
- Coffee breaks (November 2-5) – *Need spaces*
-
- Committee meetings (November 1-5) – *See “[Appendix C. Meeting Schedule](#)”*
-
- Social programs and meals (November 1-5) – *Provide social services and meals to attendees and committee meeting*
-
- Hotel guest rooms (October 31, 2008 to November 8, 2008) – *Find convenient and low-cost places for attendees to stay*
- Transportations and shopping (November 1-5, 2008) – *Attendees moving around and buying gifts*
- Miscellaneous: Speaker Preparation, Wireless Internet, Security, and Photography, etc. – *Some important logistics*

After considering the number of attendees in recent years and the cost of venue, the 2008 IEEE IUS has decided to use a conference center, called Beijing International Convention Center (BICC) that can provide ample spaces at the lowest cost available. A lower cost would allow the conference to provide more services desired to attendees with reasonable conference registration fees.

For Calendar of Events and important tasks that the 2008 IEEE IUS had paid attention to, please see: “[Appendix W. Calendar of Events and Important Things to Note](#)”.

VI. Conference Website and Time Line (Calendar of Events)

VI.1. Development of 2008 IEEE IUS Website and Its Use as a Time Line (Calendar of Events)

To accomplish the tasks of the conference, a time line (calendar of events) is needed. The 2008 IEEE International Ultrasonics Symposium (IUS) has used the conference website as a calendar of events (see later parts of this section and “**Appendix W. Calendar of Events and Important Things to Note**”). As each task is completed, relevant information is posted on the web. When all the pages of the web are populated, most of the pre-conference tasks are taken care of. (As you may recall, to avoid users of the website wasting their time to click on unpopulated links, the 2008 IEEE IUS had added red “**N**” to indicate “**Contents Are Not Available Yet**” for each link that had not been populated. For example, before the student paper competition winners were announced on the first day of the conference, the web link appeared as: “**Competition Winner (N)**”. After the winners were announced, the link became: “**Competition Winner**”. If a page was only partially populated, a red “**A**” was used to indicate “**More to Add or Incomplete**”. For example, if “**General Chair Message**” link was partially completed, visitors of the web would see: “**General Chair Message (A)**”).

For the 2008 IEEE IUS, the General Chair also assumed the responsibility of a web master. The website was created on August 3, 2006 (more than two years before the conference), based on the success of those of previous years. Using IEEE web server, the task of producing the website was straightforward. The web master just needed to copy files to the IEEE web server via a File Transfer Protocol (FTP) with the username and password assigned by IEEE (Mr. Khanh Luu, k.n.luu@ieee.org, telephone 732-562-5501, a Member of Geographic Activities Department of IEEE, was responsible for establishing an access permission) and the web master did not need to worry about the security issues of the server since IEEE has taken care of it. There are multiple ways to produce web pages. Because the 2008 IEEE IUS website is relatively simple and straightforward, it was produced directly with the Hypertext Mark-up Language (HTML) codes using a text editor, “WordPad”, that is standard with all Microsoft Windows (using the HTML codes directly has allowed the web master to control the formatting of the pages precisely). The entire conference website has been saved in the 2008 IEEE International Ultrasonics Symposium Proceedings DVD (ISBN: 978-1-4244-2480-1; IEEE Catalog Number: CFP08ULT-DVD) and is still accessible via the conference website at:

http://ewh.ieee.org/conf/ius_2008/

VI.2. Proper Setup of Access Counters of Web Pages

The 2008 IEEE IUS website consists of many pages. Each page has an independent access counter that will not advance if the page is accessed from the same Internet Protocol (IP) address. This is important to prevent fraudulent counts caused by a user repeatedly clicking the refresh button of a browser or repeatedly access the same pages in a quick succession. The counts displayed this way would result in much smaller count numbers than those without the “smart” counter feature. However, they may reflect more accurately the number of access by different users.

VI.3. Web Addresses (URLs) of IEEE International Ultrasonics Symposia

Since the 2007 IEEE IUS, the Uniform Resource Locator (URL) web addresses of the IEEE IUS conferences have been standardized, which could be easier for attendees to remember and could be good for our conferences:

http://ewh.ieee.org/conf/ius_2007/
http://ewh.ieee.org/conf/ius_2008/
http://ewh.ieee.org/conf/ius_2009/
http://ewh.ieee.org/conf/ius_2010/
http://ewh.ieee.org/conf/ius_2011/
http://ewh.ieee.org/conf/ius_2012/
<http://ewh.ieee.org/conf/uffc/2013/>
http://ewh.ieee.org/conf/ius_2014/
http://ewh.ieee.org/conf/ius/ius_2015/
<http://sites.ieee.org/ius-2016/>
<http://ewh.ieee.org/conf/ius/2017/>

It is noticed that only the last digits are changed according to the year of the conference, where “ewh” means “Entity Web Hosting”, “conf” means “Conference”, and “ius” is for “International Ultrasonics Symposium”. Also notice that for many years there is an underline between “ius” and the year, for example, ius_2008.

VI.4. Web Access Time Curve

The following chart shows the time curve of the accesses to the main page of the 2008 IEEE IUS website. On November 11, 2008 (our conference was from November 2-5, 2008), there had been 49401 visits (about 60 distinct visits per day) from unique IP addresses since August 3, 2006, when the website was established. However, from November 11, 2008 to July 15, 2009, there have been 7654 visits (about 31 distinct visits per day) to the main page, which accounts for about 13.4% of the total visits (57055 by July 15, 2009 and 63905 by July 14, 2017). This shows that the website is continued to be accessed frequently even long after the conference.

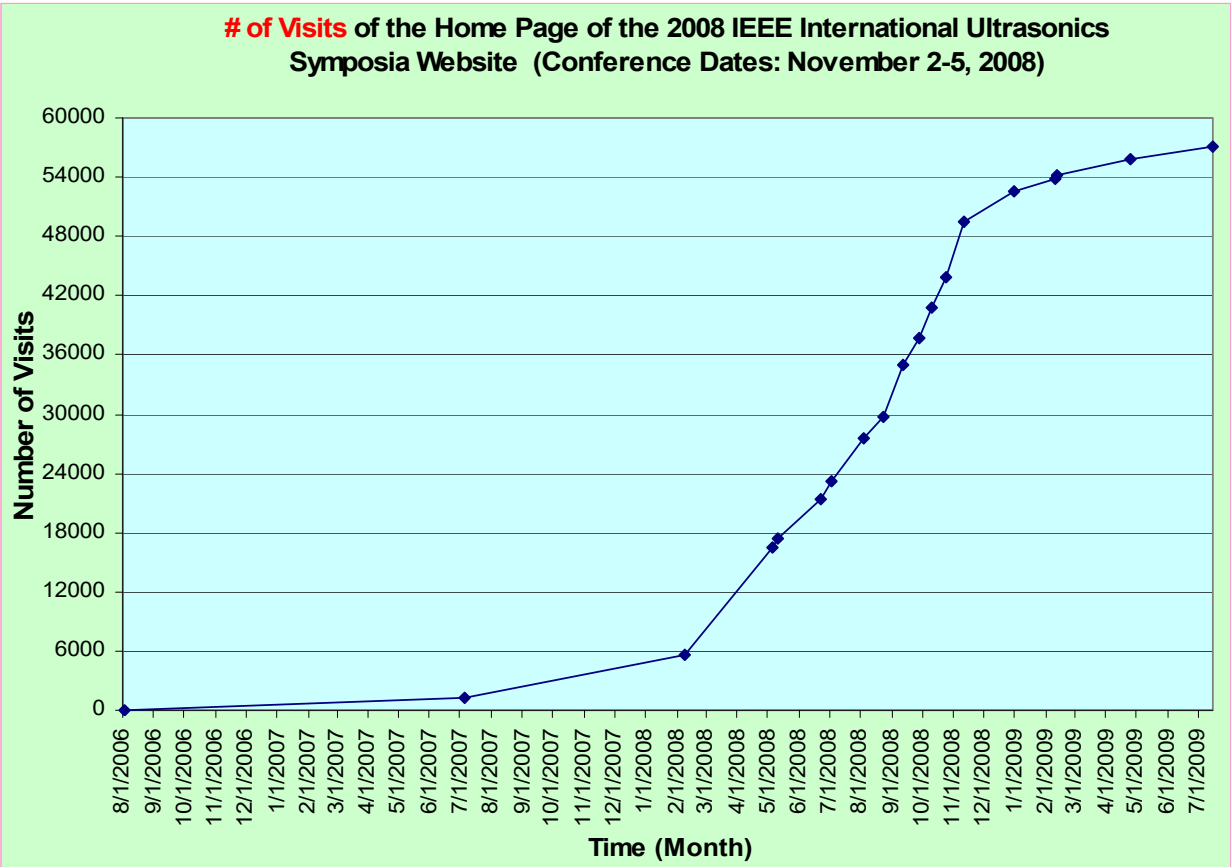


Figure VI-1. Website visits

VI.5. Major Time-Sensitive Events

The actual opening and deadline dates of major time-sensitive events of the 2008 IEEE IUS have been shown on the front page of the conference website in big sizes (all the deadlines have been enforced strictly to ensure a smooth execution of the program). This allowed authors and attendees to get information quickly without digging deep into the website:

Table VI-1. Critical dates

Events	Open (<i>Actual</i>)	Deadlines
Abstract Submission: (Link)	April 16, 2008 (<i>Opened</i>)	May, 4, 2008
Paper Submission: (Link)	Oct. 10, 2008 (<i>Opened</i>)	November 2, 2008
Early Registration: (Link)	July 20, 2008 (<i>Opened</i>)	September 12, 2008
On-Site Registration: (Link)	Nov. 1, 2008 (<i>Opened</i>)	November 5, 2008
Hotel Discount Rate: (Link)	April 11, 2008 (<i>Opened</i>)	October 5, 2008 *
Visa Document: (Link)	April 11, 2008 (<i>Opened</i>)	September 30, 2008 **
Exhibit Registration: (Link)	April 11, 2008 (<i>Opened</i>)	July 15 ***, Sept. 15, 2008

* Please notice that **October 5, 2008** will be the absolute deadline after which none of the hotels would guarantee the rates listed at the link "[Conference Hotels](#)". Rooms in some hotels are gone quickly and it is advised to book the rooms as early as possible.

** After the deadline a timely delivery of visa application documents may not be guaranteed.

*** Company names may not appear in the Advance Program and Abstract Book after **July 15, 2008**.

VI.6. Main Sections of the Website

In addition to the front (main) page that shows the major time-sensitive events, there are following six major sections of the website:

- Web Section 1. The Conference
- Web Section 2. Getting Around
- Web Section 3. Social Programs
- Web Section 4. Technical Programs
- Web Section 5. Students
- Web Section 6. Other Links

Detailed pages and its time line under each section are shown below as Web Section 1 to 6. The time lines were used by the 2008 IEEE IUS and it may need to be adjusted for future conferences since each conference is different. Please see a separate Calendar of Events in "[Appendix W. Calendar of Events and Important Things to Note](#)" for the convenience of conference organizers.

VI.7. Web Section 1. The Conference

This section contains 17 conference related pages:

- General Chair Message – *Finalize as soon as possible and update as necessary*
- Technical Chair Message – *Finalize as soon as possible and update as necessary*
- Organizing Committee – *Finalize as soon as possible and update as necessary*
- Technical Program Committee (TPC) – *Finalized by February 1, 2008, after the first Technical Program Committee (TPC) meeting that was held at the end of the previous conference (October 31, 2007)*
- Opening Session / Awards – *Finalized about one month before the conference (select a plenary speaker as soon as possible)*
- Conf. Photos / Videos – *Finalized shortly after the conference*
- Conference Statistics – *Updated as the data become available*
- Plenary Speaker – *Finalize as soon as possible (select a plenary speaker early so that we have time to publicize the talk)*
- Invited Talks – *Finalized by February 1, 2008, after the first TPC meeting that was held at the end of the previous conference (October 31, 2007)*
- Special Clinical Session – *Finalized by February 1, 2008, after the first TPC meeting that was held at the end of the previous conference (October 31, 2007)*
- Short Courses – *Finalized by February 1, 2008, after the first TPC meeting that was held at the end of the previous conference (October 31, 2007)*
- BICC Floor Plan / Location – *Finalize as soon as possible*

- Nearby Shopping / Food – *Finalize as soon as possible*
- Corporate Sponsors – *Added sponsors as soon as they have made contributions*
- Exhibits – *Web page opened on April 11, 2008 and the exhibitor list had been finalized by September 15, 2008, the exhibit registration deadline*
- Conference Hotels – *Finalized on April 11, 2008*
- Conference Registration – *Finalized on July 20, 2008 (this was later than what we planned for since it was time-consuming to customize the registration website so that it would not only work for the online registration, but also work for the on-site registration using an Administration Center specifically developed for the 2008 IEEE IUS)*

VI.8. Web Section 2. Getting Around

This section has 4 pages:

- Visa Application – *Finalized on April 11, 2008*
- Cheaper Air Tickets – *Finalize as soon as possible – it is an additional convenience for attendees*
- Taxi / Bus Help – *Finalize as soon as possible*
- Beijing City / Subway – *Finalize as soon as possible*

VI.9. Web Section 3. Social Programs

This section has 10 pages:

- Monday Noon Lunch – *Finalized before online registration open*
- Monday Evening Social – *Finalized before online registration open*
- Tuesday Dinner/Shows – *Finalized before online registration open*
- Guest Breakfasts – *Finalized before online registration open*
- Three Local Guest Tours – *Finalized on April 11, 2008*
- China Tours – *Finalized on April 11, 2008*
- Other Beijing Tours – *Finalized as soon as possible*
- Beijing Photos – *Finalize as soon as possible*
- Beijing Olympics – *Finalize as soon as possible*
- Beijing Weather – *Finalize as soon as possible*

VI.10. Web Section 4. Technical Programs

This section has 12 pages:

- Call for Papers – *Finalized on July 4, 2007 (the First Call for Papers was published in IEEE TUFFC and was distributed during the 2007 IEEE IUS)*
- Meeting Planner – *Opened on August 13, 2008 (the date was later than we planned since it took some time for us to customize and test the functionalities of the Mira attendSMART module)*
- Abstract Submission – *Opened on April 16, 2008 (the date was later than we planned since the abstract submission process involved a lot of customizations and testing of Mira submitSMART module that were related not only to abstract submission, but also review, system operations by organizers, data report process, and program assembly module, the Mira programSMART)*

- Abstract Results – *Opened on July 2, 2008 (this page was intended to communicate with authors for the statuses of their abstracts – decisions on abstracts were made during the 2nd TPC meeting that was held in Chicago, USA, from June 14-15, 2008)*
- Condensed Program – *Finalized on July 4, 2008 after the 2nd TPC meeting that was held in Chicago, USA, from June 14-15, 2008 and the conference program was finalized (a preliminary version of the condensed program was made earlier to help the 2nd TPC meeting)*
- Full Program – *Finalized on August 17, 2008 (Mira provided the program in grids in Microsoft Word format from its database and the General Chair of the 2008 IEEE IUS added the front matters, ensured that the minimum font size (no smaller than 5 points for abstract title, author names, and author affiliations) in each grid was big enough so that the contents were readable, added colors, headers, footers, bleed tabs, page numbers, Table of Contents, and designed the covers)*
- Abstract Book – *Finalized on August 17, 2008 (Mira provided the formatted abstract pages from its database and the General Chair of the 2008 IEEE IUS added the front matters, colors, headers, footers, bleed tabs, page numbers, Table of Contents, and designed the covers)*
- Oral Presentation Guide – *Finalized on July 2, 2008, the date that the abstract results were announced*
- Poster Present. Guide – *Finalized on July 2, 2008, the date that the abstract results were announced*
- Session Chairs – *Finalized on July 2, 2008, the date that the abstract results were announced (this page may be useful for the session chairs to find their assigned sessions more easily)*
- Sessions (Papers) – *Finalized shortly after the 2008 IEEE IUS Proceedings were ready to be published (this page has also been included in the DVD to give users more options in browsing the contents of DVD)*
- Paper Submission – *Finalized on October 10, 2008 (the date was later than we planned since it took time to implement and test the protocol of the multimedia paper submission and DVD production, which is the first in the 46-year history of the annual IEEE IUS conferences)*

VI.11. Web Section 5. Students

This section has 6 pages:

- Join IEEE UFFC/Students – *Finalize as soon as possible*
- Student Travel Support – *Finalized on July 2, 2008, at the same time when abstract results were announced*
- Student Paper Compete – *Finalized as soon as possible, no later than April 16, 2008, when the abstract submission site was open*
- Competition Finalists – *Finalize on July 2, 2008, at the same time when abstract results were announced*
- Competition Winners – *Finalized in the evening of Monday, November 3, 2008, when the winners were determined*
- Student Breakfast – *Finalize as soon as possible*

VI.12. Web Section 6. Other Links

This section has 12 pages, mainly for publicity of IEEE and the UFFC Society:

- IEEE Beijing Office Open – *Finalize as soon as possible and update whenever relevant news appear*
- 2007 IUS - New York – *Finalize as soon as possible*
- IEEE TUFFC – *Finalize as soon as possible (this is to encourage authors of the conference proceedings papers to submit more complete and expanded version of papers to the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control – TUFFC)*
- IEEE UFFC – *Finalize as soon as possible*
- IEEE – *Finalize as soon as possible*
- UFFC Officers – *Finalize as soon as possible (update as necessary)*
- Past Proceedings – *Finalize as soon as possible (update as necessary)*
- Other UFFC Meetings – *Finalize as soon as possible (update as necessary)*
- Order CD Archive – *Finalize as soon as possible*
- IEEE Xplore – *Finalize as soon as possible*
- Join IEEE UFFC – *Finalize as soon as possible*
- Join IEEE – *Finalize as soon as possible*

VII. Local Arrangements with CICCST

VII.1. Major Local Tasks

For the 2008 IEEE International Ultrasonics Symposium (IUS), the local arrangements were made by a Chinese company called the China International Conference Center for Science and Technology (CICCST) based in Beijing, China. Although the General Chair is in the United States of America, he was able to work with CICCST through “remote control” operations. In addition to the “remote control”, the General Chair had made three trips to China to make arrangements. The first was in June 2004 with Dr. Clemens Ruppel, then Vice President for Ultrasonics of the UFFC Society, and visited about 10 potential venues. The second visit was in May 2008, after the abstract submission deadline of May 4, 2008 to check for the preparations of CICCST. The last visit was in late October 2008 with the Finance Chair, Dr. Jan Brown, for a final check of the preparations. The final visit lasted until November 8, 2008, three days after the end of the conference. During the final visit, we worked on various issues before, during, and after the conference. The financial reconciliation with CICCST was completed right after the conference. The “remote control” of CICCST was made possible thanks to the convenience of modern email and long-distance telephone services. Since there is a difference of about 12 hours between China and USA, the General Chair was able to work at night making phone calls to China while performing his regular teaching and research duties during the day.

CICCST has been contracted to perform the following tasks helped and directed by the 2008 IEEE IUS Organizing Committee (for details, please see “**Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS**”):

- Negotiate prices and sign contract with the Beijing International Convention Center (BICC), the *venue* of the conference, for conference rooms (including conference rooms and spaces used by the technical programs, committee meetings, social functions, on-site registration, and exhibits)
- *Audio/visual* equipment and setup
- *Coffee breaks* including fruits, biscuits, cakes, chocolates, and juices, etc for technical programs and short courses
- Negotiate prices and sign contracts for *social events and meals*:
 - *Buffet Lunch* of Monday noon, November 3, 2008, for all attendees
 - *Buffet Dinner Party* in the evening of Monday, November 3, 2008, for all attendees
 - *Banquet and Shows* of Tuesday night, November 4, 2008 for all attendees
 - Other *meals*: meals of all committee meetings such as AdCom meals, guest breakfasts (one per day for three days), student breakfast, exhibitor wines and breakfast, etc, needed during the conference (see “**Appendix C. Meeting Schedule**”)
- *Table flowers and room decorations* for social events
- Arrange Summer Palace *boating, art gallery, and loyal family dinner/shows* for AdCom, TPC members, and invited guests
- Arrange Guests *Tours* during the three-day conference, and arrange post-conference tours of China
- *Poster Board* Rental
- *Printing* of the Program Book and Abstract Book from PDF files provided
- Handle *visa* paper work
- Attract *exhibitors* and arrange exhibition (including online and paper exhibition registrations, Chinese Custom clearance, equipment shipping, and providing booths and extra electricity, etc)
- Negotiate with conference *hotel* (belong to BICC) and nearby hotels at the best rates for attendees

- ***On-site registration and other tasks:***
 - On-site **registration**
 - Attendee **badges** printing (staff members were available to check badges in each of the technical sessions and help presenters)
 - Event **tickets** printing
 - **Signage** for oral, poster, poster labels, short courses, directions, committee meetings, etc
 - **Program at a Glance** boards
 - **Banners** on the entrance of conference center and in the main function hall
 - **Bags** for attendees with Beijing and conference symbols
 - **Gifts** for attendees
 - **Speaker** preparation
 - Wireless **internet** and internet café
 - **Security** services
 - **Exhibitor** valuable storage
 - **Photography** services
 - Printing **short course** materials
 - Help to distribute money for **student travel support**
 - Help to collect the **short course evaluation form** and **session summary form**
 - Manage Chinese currency **bank** account
 - Provide adequate number of **trained personnel (staff)** on site during the conference (see “**Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS**”) (there were more than **a dozen** of staff members in the on-site registration area alone and each staff member was clearly identified with special clothing and big sign that covers the entire back of the cloth)

VII.2. Conference Meeting Schedule Details

There were many committee meetings during the conference from November 1-5, 2008. A complete list of committee meetings and the detailed arrangements of the entire conference are shown in “**Appendix C. Meeting Schedule**”.

VII.3. Boating, Art Gallery, and Loyal Family Dinner/Shows in Summer Palace

To appreciate efforts of the members of the Conference Organizing Committee, Administrative Committee (AdCom) of the UFFC Society, the Technical Program Committee (TPC), and important guests who have made the conference possible, the 2008 IEEE IUS had organized an entertainment program from 3:30 p.m. to about 9:00 p.m. on November 2, 2008 in the Summer Palace where the emperors of China used to escape the hot summers in the city of Beijing. Although there were many possible venues in Beijing for this event, the Summer Palace seemed to be most attractive since it involved a wide range of activities such as boating in the Kunming Lake, walking through an art gallery of about 1 km long, dining in Tingli Hall that was a place to serve the loyal families, and shows that were played in emperors’ time. (Many photos and videos were taken for this event and they are accessible from the conference DVD, ISBN: 978-1-4244-2480-1, IEEE Catalog Number: CFP08ULT-DVD, and the conference website.)

VII.4. Lunch of Attendees on Monday, November 3, 2008

The 2008 IEEE IUS Organizing Committee decided to provide a lunch with Chinese food for all attendees in the first day of the technical program. This was because the Beijing International Convention Center (BICC) was a few hundred meters away from major food streets, it might take a while for attendees to become familiar with the surroundings of BICC and find their way for good restaurants.

VII.5. Social Buffet Dinner in the Evening of Monday, November 3, 2008

According to the tradition, the 2008 IEEE IUS has provided an opportunity for attendees to network with colleagues while sitting down to enjoy Chinese food. A full dinner as opposed to finger food was to allow attendees to stay in the party longer without having to find restaurants after the party. Loud music was avoided to allow attendees to have conversations with each other.

VII.6. Banquet and Shows in the Evening of Tuesday, November 4, 2008

The 2008 IEEE IUS has provided a formal banquet dinner with shows from a reputable performing company for all attendees. Student paper competition winners were awarded at the beginning of the event. (Many photos and videos were taken for this event and they are accessible from the conference DVD, ISBN: 978-1-4244-2480-1, IEEE Catalog Number: CFP08ULT-DVD, and the conference web site.)

VII.7. Local Beijing Tours and Post-Conference China Tours

The CICCST was contracted to make arrangements for three local Beijing tours, one for each day of the technical program, and a few post-conference China tours that fit our conference schedule.

VII.8. Coffee Breaks

The 2008 IEEE IUS provides coffee breaks for both short courses and technical program. Fruits, biscuits, cakes, chocolates, and juices, etc, were provided in addition to actual coffees. About 4 stations were setup for each coffee break of technical program to avoid over cloudiness. The time and duration of coffee breaks are listed in “[Appendix C. Meeting Schedule](#)”.

VII.9. Guest Breakfasts

There have been three Guest breakfasts, one for each day, for the registered guests.

VII.10. Student Breakfast

Students are the future of our society and thus it is important for the 2008 IEEE IUS to continue the tradition to have a Student Breakfast so that students could be more involved in our society. During the breakfast, students could ask questions to our society president and AdCom members. They could also use the opportunity to network with each other.

VII.11. Hotels for Attendees

CICCST has arranged a group of 7 hotels within walking distance of the conference venue (BICC) for the 2008 IEEE IUS. These hotels have prices ranging from about \$50 (3 stars) all the way up to about \$250 (5 stars) to meet various needs of the attendees.

VII.12. Taxi Help and Transportation

Since the 2008 IEEE IUS was held in Beijing, China, and some taxi drivers might not speak or understand English well, notes to taxi drivers in both Chinese and English were made by the General Chair for all hotels recommended by the conference. The notes were intended to reduce hassles of attendees to find their hotels. An example of such a note is shown below:

Note to Taxi Driver

尊敬的出租车司机, 请您送我到如下宾馆:

宾馆: 北京五洲大酒店 (北京国际会议中心边上)

地址: 中国北京市朝阳区北四环中路 8 号
(安定门外)

邮编: 100101

电话: (86-10) 8498 5588

=====

English Translation:

Dear taxi driver, please send me to my hotel as follows:

Hotel: Beijing Continental Grand Hotel

Address:
No. 8, East Beichen Road
Andingmen Wai
North Sihuan Road
Chaoyang District
Beijing 100101, China

Tel.: 011-86-10-8498 5588 or 86-10-6616 3768

2008 IEEE International Ultrasonics Symposium, © 2006-2008

Figure VII-1. Taxi help

Beijing is the capital of China and the transportations from its international airport to various parts of city are relatively easy as compared to other major cities in China. Due to Beijing Olympics, the transportation was further improved and the 2008 IEEE IUS has taken advantages of the various improvements.

VII.13. Visa Application Document

CICCST has also been contracted to handle all the paper work to help attendees who needed a visa to visit China.

VII.14. Business Centers and Nearby Food and Shopping

Business centers around the conference venue are important for many attendees. For the 2008 IEEE IUS, there was one business center in the Beijing International Convention Center (BICC) and others were in the major conference hotels nearby.

For the 2008 IEEE IUS, there were many food services and a major shopping center around BICC. In addition, the main attractions of the 2008 Beijing Olympics, the so called Bird's Nest and Water Cube, were in a walking distance from BICC (about 400 m away).

VII.15. Printing Short Course Notes and Materials

CICCST has printed some notes and materials of short courses for short course attendees. The short course printouts were stored in one of the conference registration counters for the short course instructors to pick up.

VII.16. Help Students Pickup Their Travel Support Money

Student travel support money was placed in one of the registration counters that were manned by the staff recruited by CICCST for students to pick up under the supervision and instructions of the Finance Chair, Dr. Jan Brown.

VII.17. Setup a Booth for IEEE Representatives

The 2008 IEEE IUS has set up two draped tables for IEEE staffs to do advertisement for IEEE, sell books published by IEEE, and encourage nonmembers to join IEEE and UFFC Society.

VII.18. IEEE and UFFC Membership Enrollment during Conference

The following or similar notes may have appeared in many of our conferences. This could also be modified and included in the Program Book and Abstract Book of future conferences:

Get Free UFFC-S Membership by Joining IEEE on Site: The 2008 IEEE International Ultrasonics Symposium has a discount conference registration fee for IEEE members. If you are not an IEEE member and wish to receive a member discount when registering on-site, you should join IEEE through the IEEE booth near the registration desks. As a bonus, we will be able to provide you a free UFFC membership for one year (notice that the UFFC membership can only be offered to IEEE members and it normally requires

a small amount of fee on top of the IEEE membership fee). The UFFC membership will allow you to have an on-line access to the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC) and to receive all UFFC Newsletters for one year. Special IEEE/UFFC-S forms should be filled out in the IEEE booth. Students are not eligible for this offer.

Free UFFC-S Membership for Some IEEE Members: If you are already an IEEE member in good standing but would like to join the UFFC society the first time when registering the conference during the on-site registration, you will also be eligible to receive a one-year free UFFC membership by filling out the IEEE/UFFC-S forms in the IEEE booth.

VII.19. Conference Photos and Videos

Many people including the professional photographer of the 2008 IEEE IUS have contributed photos they took during the conference. After edited and organized by the General Chair, these photos have been placed on the conference website and are also included in the proceedings DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). In addition to the photos, some edited videos are also accessible from both the conference website and the proceedings DVD. The photos and videos have highlighted the awards of both the society and students in addition to other conference activities.

Other photos of Beijing, China are also on the conference website (click the link “Beijing Photos”). These photos were contributed by Dr. Oliver Keitmann-Curdes and edited by the General Chair. Some of these photos have been selected as the master band photos that highlighted the 2008 IEEE IUS.

VII.20. Exhibitor Registration and Services

CICCST handled exhibitor registration and was responsible for arranging the shipment of equipment, Chinese Custom clearance, and on-site booth setup. Financial and other clauses of agreement with CICCST regarding the exhibition are in “[Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS](#)”.

VII.21. Floor Plan of Conference Venue and Considerations for Exhibition

Three floors of the Beijing International Convention Center (BICC) were used for our conference to provide spaces for meeting rooms, posters, registration, and exhibition, which have the following dimensions or specifications:

- (1) **Poster Boards:** About 2 m wide and 1 m high (including frames) for each board. The boards were raised about 1 m from the floor. The distance between any two rows of boards (double sided) was at least 8 feet to avoid being too clouded. The General Chair went to the poster board factory in China to ensure the boards were made as expected. More details of the boards are given in “[Appendix N. Guides for Oral and Poster Presenters](#)”.
- (2) **Registration Counters:** About 12 m wide and 3 m deep with 6 counters.
- (3) **Exhibition Booth:** A draped area of about 3 m wide and 3 m deep. Each exhibition booth was equipped with a back drop panel, one 4-foot wide table, two chairs, one waste basket, standard electricity and lighting, and a signage that showed the name of the company.

- (4) **Internet:** A 2-Mbits/s dedicated high-speed Ethernet line (wired) that was not shared with attendees was used for the registration Kiosk consisting of 8 Microsoft Windows XP computers. Another 1-Mbits/s high-speed line was used in the Internet Café and for wireless for the entire BICC conference area for attendees to use.

The main consideration for exhibition is to avoid putting exhibition booths into an isolated room where there would be little or no traffic to the booths. In the 2008 IEEE IUS, whenever possible, exhibition booths were placed in heavily traveled areas around the meeting rooms, coffee break stations, posters, and on-site registration counters. In addition, a dedicated lock room was rented for exhibitors to lock their valuables and for exhibitors to have a rest. Security guards were hired for the exhibitors and the conference. An exhibitor brochure was produced by CICCST and posted on the conference web that is now saved in the 2008 IEEE IUS Proceedings DVD (ISBN: 978-1-4244-2480-1; IEEE Catalog Number: CFP08ULT-DVD).

Below is a floor plan of the three floors of BICC. It provides an overview of the locations and time slots of various conference activities.

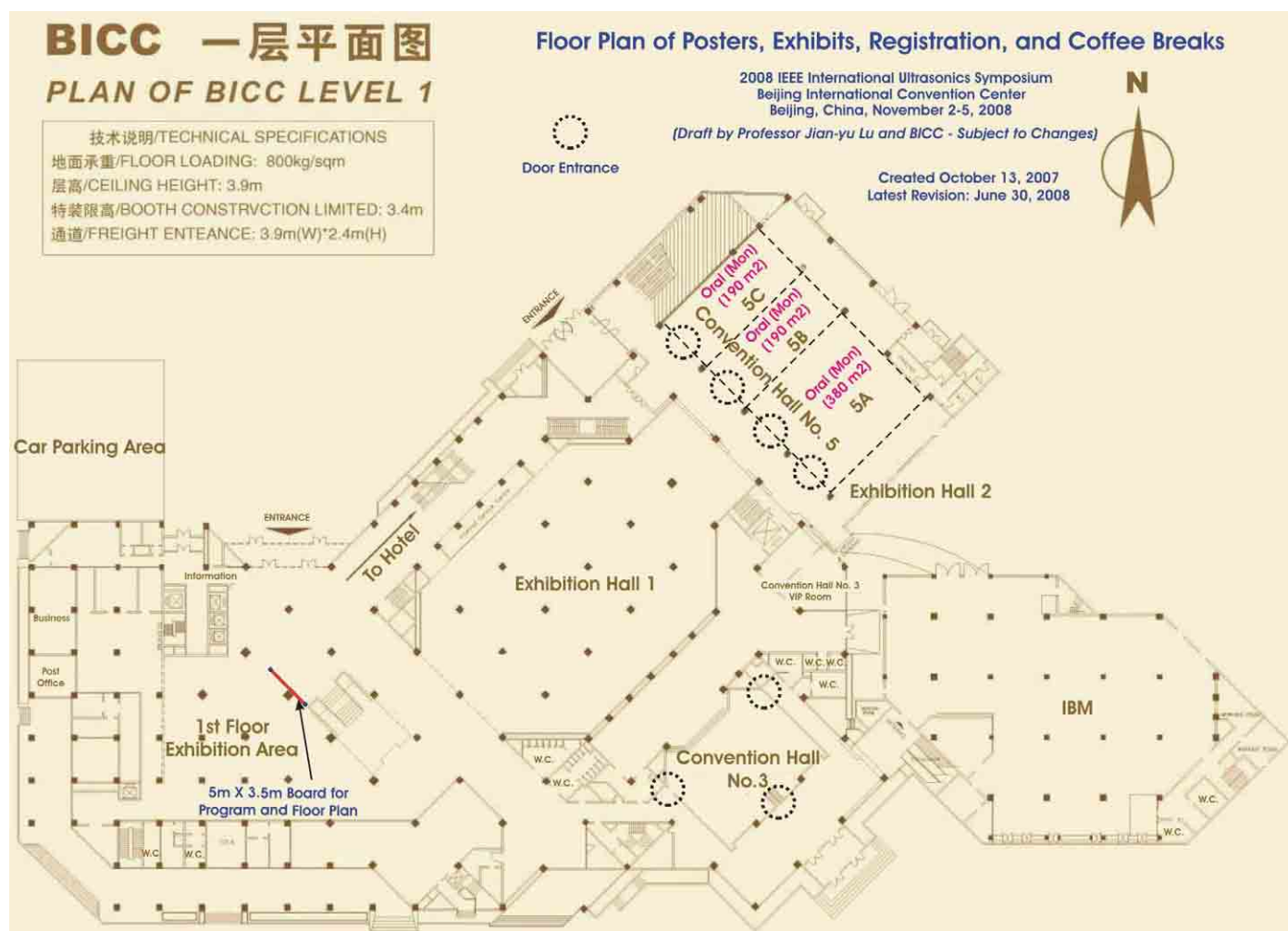
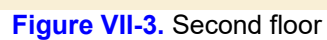


Figure VII-2. First floor



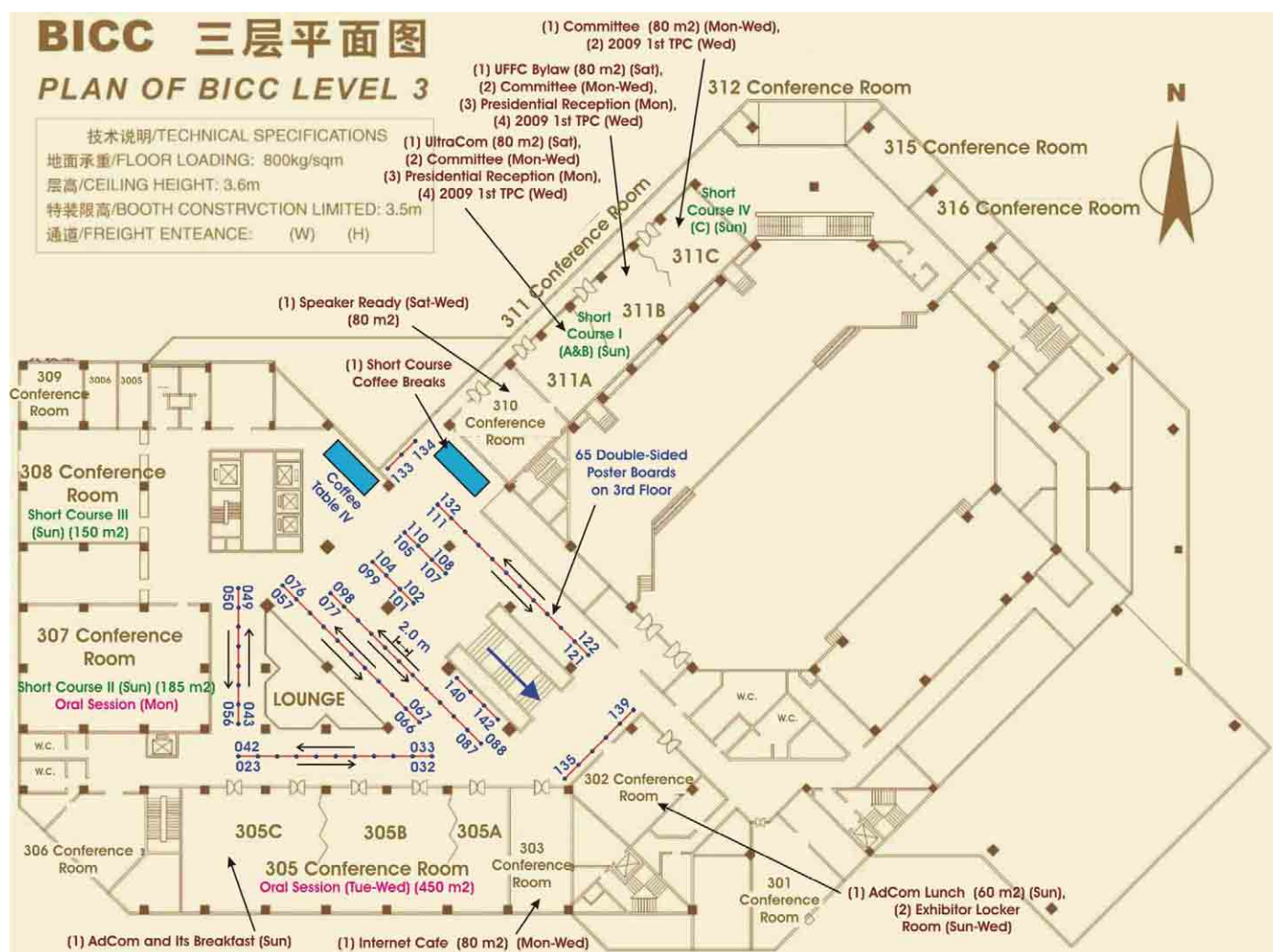


Figure VII-4. Third floor

VII.22. “Conference at a Glance” Boards

The Beijing International Convention Center (BICC) is a big place and it could easily get lost when attendees were hurried to move from one technical session to another. Therefore, the 2008 IEEE IUS has provided two big (4 m wide and 2.8 m high) poster boards on the first and 2nd floors of BICC to help attendees to find their way. The boards were designed by the General Chair and a PDF file was sent to CICCST to produce the boards:

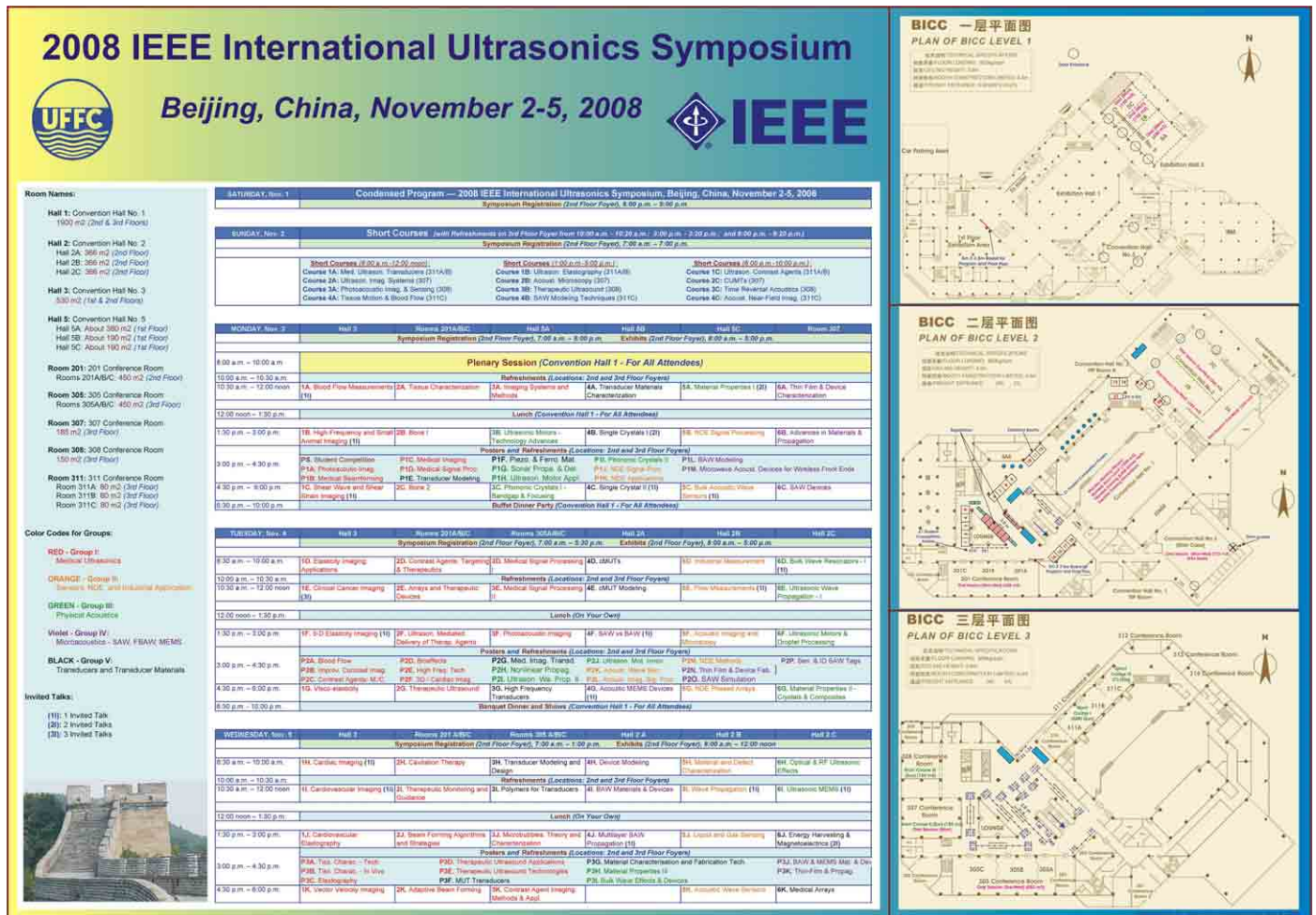


Figure VII-5. Conference at a glance board

VII.23. Design of Badge, Event Tickets, and Laser Pointer Label:

Badges are important component of a conference. A clear badge will help attendees to know each other more easily by seeing the names from a distance (use big and bold fonts for short **Badge Names** such as “Jian-yu”, “Jan”, “Don”, and “Bill” etc are important for this purpose). IEEE and UFFC logos, background image, the conference name would make the badges unique to the conference. An article about the importance of a correct design of conference badges was published by Henry Petroski, “What’s in a Name Tag?” American Scientist, vol. 95, July-August, pp. 304-308, 2007. The General Chair designed the following badge and tickets and the Finance Chair made suggestions to improve. The design was sent to CICCST to make badges and tickets for both online and on-site registrants.



Figure VII-6. Badges and tickets

The General Chair also designed the banners for both the entrance of the BICC and the top of the stage of the Convention Hall #1 and then CICCST made the banner according to the design. The big banner may allow attendees to find their way to the conference venue more easily and make our conference more visible.



Figure VII-7. Banners

A shrunk version of the banner above was printed on the laser pointer that was a gift to each registered conference attendee. The laser pointer has many display patterns (by twisting the front part of the pointer) that may be used to enhance a presentation.

VII.24. Signage

Signage is an important component of the conference since it will make the conference more organized. The General Chair has designed the following signs and CICCST has printed them in China in dimensions of 18" wide by 25" long that fitted the sign posts at BICC. Since signage is for providing information, a high contrast between texts and their backgrounds is desirable (i.e., the sign should not be obscured by complex background colors so that people could read them from a distance). Examples of the signage for various functions are given below:

- (1) Oral Sessions
- (2) Poster Sessions
- (3) Short Courses
- (4) Committee Meetings
- (5) Directions to get around in BICC
- (6) Mapping of last name of registrants of advance registration to their registration Personal Identifying Numbers (PIN) so that staff on registration desks could quickly locate the packages for advance registrants
- (7) Signup sheet for attendees who would like to attend the Women in Engineering meeting
- (8) Labels for poster boards. The top portion of the label indicates that the poster board number, say, "023", that is also shown on the floor plan. The lower part is a unique number for each poster, say, "**P2A023-01**", where "P" means poster, "2" after "P" means a poster on the 2nd day (Tuesday for the 2008 IEEE IUS), "A" after "P2" means poster Session A, "023" after "P2A" means the poster should be placed on board number 023 (see the floor plan above for location of this board), and "-01" after "P2A023" means the first poster on the poster Session A. A clear poster label will not only help reducing ambiguity to presenters, but also help Session Chairs to identify if a poster has been properly presented. (More details on the poster labels are in "**Appendix N. Guides for Oral and Poster Presenters**".)
- (9) Photo of poster signs of posters of a day
- (10) A photo shows posted signs of all committee meetings. The signs were also posted by the doors of individual committee meetings.

The signage of oral and poster presentations were made by taking advantage of the data produced by Mira Digital Publishing. Mira system has been customized to produce output of the database in a desired format so that the General Chair could use it to produce the signage accurately and quickly.

The mapping between the Personal Identifying Numbers (PIN) and the names of registrants was produced with the spreadsheet downloaded from the YesEvents Administration (Admin) Center (see "Spreadsheet of Registration Database" in Section "X. Registration Services with YesEvents"). This list was needed even though attendees have been asked to remember their PINs since many might still forget.

The post of all committee meetings would make it easier for committee members to find their places. The post could also encourage more people to participate in the governance of our society as we are an all-volunteer society. (Sometimes I heard the comments: "I didn't know there was such a meeting", meaning if they knew, they could have participated or volunteered.)

(1) Signage of Oral Sessions (example)

(2) Signage of Poster Sessions (example)



http://www.ieee.org/conf/ius_2008/

IEEE

Oral Session 1A: Blood Flow Measurements
Hall 3 - Monday, November 3, 2008
10:30 am - 12:00 pm

Chair: Jorgen Arendt Jensen, Technical University of Denmark, Denmark

10:30-11:00 - 1A-1. Ultrasound particle velocimetry: an emerging technique in Cardiology. (Invited) (1178)
Haerong Zheng¹, Robin Stenstam²
¹Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, Shenzhen, Guangdong, China, ²University of Colorado at Boulder, Boulder, CO, USA

11:00-11:15 - 1A-2. A Bi-directional, Real-time Blood Flowmeter using an Implantable CMUT Array. (620)
Mengli Wang¹, Jingkuang Chen¹, Xiaoyang Cheng¹, Tongsheng Zhang², Xueyuan Liu³
¹Electrical Engineering, University of New Mexico, USA, ²Department of Neurology, University of New Mexico, USA, ³The Eastman Kodak Company, USA

11:15-11:30 - 1A-3. Duplex scanning using sparse data sequences. (1118)
Sara Klingenberg Møllerbach¹, Jørgen Arendt Jensen¹
¹Dept. of Electrical Engineering, Technical University of Denmark, Lyngby, Denmark

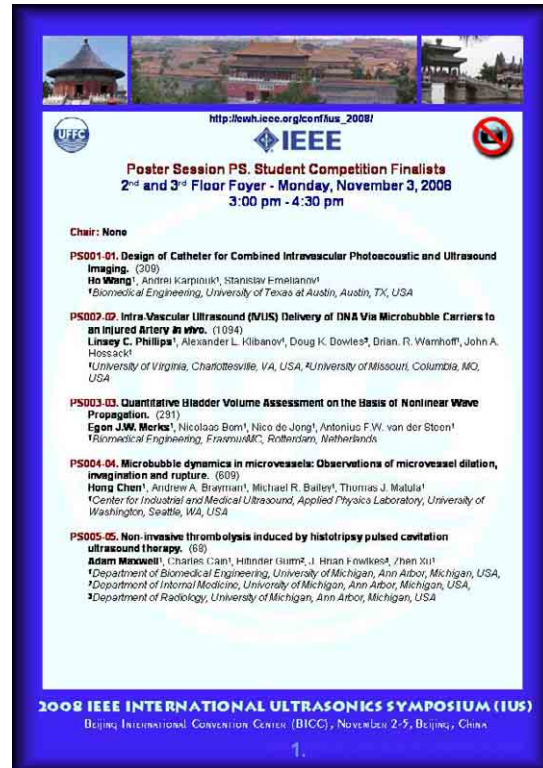
11:30-11:45 - 1A-4. Systematic Validation of the Echo Particle Image Velocimetry Technique using a Patient Specific Carotid Bifurcation Model. (637)
Fuxing Zhang¹, Craig Lanning², Luciano Mazzari¹, Bryan Rech¹, Jiusheng Chen¹, S. James Chen³, Robin Stenstam²
¹Dept. of Mechanical Engineering, University of Colorado at Boulder, Boulder, CO, USA, ²Dept. of Pediatric Cardiology, The Children's Hospital, Aurora, CO, USA, ³Division of Cardiology, Univ. of Colorado Health Science Center, Aurora, CO, USA

11:45-12:00 - 1A-5. Monitoring X-ray Contrast Agent Injections with Doppler Ultrasound. (747)
Lars Hoff¹, Knut Brabrand², Nicolay Berard-Andersen³, Ojmund Fjeld Olsen⁴, Svein Medbo⁵
¹Vestfold University College, Horten, Norway, ²Rikshospitalet University Hospital, Oslo, Norway, ³Neurad AS, Oslo, Norway, ⁴Ten Consulting AS, Baerum, Norway

2008 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS)
BEIJING INTERNATIONAL CONVENTION CENTER (BICC), NOVEMBER 2-5, BEIJING, CHINA

1.

Figure VII-8. Oral sessions



http://www.ieee.org/conf/ius_2008/

IEEE

Poster Session PS: Student Competition Finalists
2nd and 3rd Floor Foyer - Monday, November 3, 2008
3:00 pm - 4:30 pm

Chair: None

PS001-01. Design of Catheter for Combined Intravascular Photoacoustic and Ultrasound Imaging. (3018)
Ho Wang¹, Andrei Karpinski¹, Stanislaw F-melanov¹
¹Biomedical Engineering, University of Texas at Austin, Austin, TX, USA

PS007-02. Intra Vascular Ultrasound (IVUS) Delivery of DNA Via Microbubble Carriers to an Injured Artery in vivo. (1094)
Linsey C. Phillips¹, Alexander L. Kilbanov², Doug K. Dowles³, Brian R. Wamhoff⁴, John A. Hossack¹
¹University of Virginia, Charlottesville, VA, USA, ²University of Missouri, Columbia, MO, USA

PS003-03. Quantitative Bladder Volume Assessment on the Basis of Nonlinear Wave Propagation. (291)
Egon J.W. Merks¹, Nicolaas Bom¹, Nico de Jong¹, Antonius F.W. van der Steen¹
¹Biomedical Engineering, ErasmusMC, Rotterdam, Netherlands

PS004-04. Microbubble dynamics in microvessels: Observations of microvessel dilation, invagination and rupture. (609)
Hong Chen¹, Andrew A. Brumman¹, Michael R. Bailey¹, Thomas J. Matula¹
¹Center for Industrial and Medical Ultrasound, Applied Physics Laboratory, University of Washington, Seattle, WA, USA

PS005-05. Non-invasive thrombolysis induced by histotripsy pulsed cavitation ultrasound therapy. (68)
Adam Maxwell¹, Charles Chan¹, Hinder Gurm², J. Brian Fowlkes³, Zhen Xu¹
¹Department of Biomedical Engineering, University of Michigan, Ann Arbor, Michigan, USA, ²Department of Internal Medicine, University of Michigan, Ann Arbor, Michigan, USA, ³Department of Radiology, University of Michigan, Ann Arbor, Michigan, USA

2008 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS)
BEIJING INTERNATIONAL CONVENTION CENTER (BICC), NOVEMBER 2-5, BEIJING, CHINA

1.

Figure VII-9. Poster sessions

(3) Signage of Short Courses (example)



http://www.ieee.org/conf/ius_2008/

IEEE

2008 IEEE International Ultrasonics Symposium
Beijing, China

Short Courses 1A, 1B, 1C
Conference Room #311A and #311B
Sunday, November 2, 2008

8:00 AM - 12:00 Noon:
Short Course 1A: Medical Ultrasound Transducers

1:00 PM - 5:00 PM:
Short Course 1B: Ultrasound Elastography: Quantitative Approaches

6:00 PM - 10:00 PM:
Short Course 1C: Ultrasound Contrast Agents: Theory and Experiment

Remark(s):

2008 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS)
BEIJING INTERNATIONAL CONVENTION CENTER (BICC), NOVEMBER 2-5, BEIJING, CHINA

1.

Figure VII-10. Short course

(4) Signage of Committee Meetings (example)



http://www.ieee.org/conf/ius_2008/

IEEE

2008 IEEE International Ultrasonics Symposium
Beijing, China

Conference Room #305C
Sunday, November 2, 2008

AdCom Breakfast
7:30 AM - 8:30 AM

AdCom Meeting
8:30 AM - 12:00 Noon
1:00 PM - 3:00 PM

Remark(s):
By invitation only

2008 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS)
BEIJING INTERNATIONAL CONVENTION CENTER (BICC), NOVEMBER 2-5, BEIJING, CHINA

13.

Figure VII-11. Committee meetings

(5) Signage of Directions (example)



Figure VII-12. Directions

(6) Last Name and PIN Mapping (example)



Figure VII-13. PIN numbers

(7) Women in Engineering Signup (example)

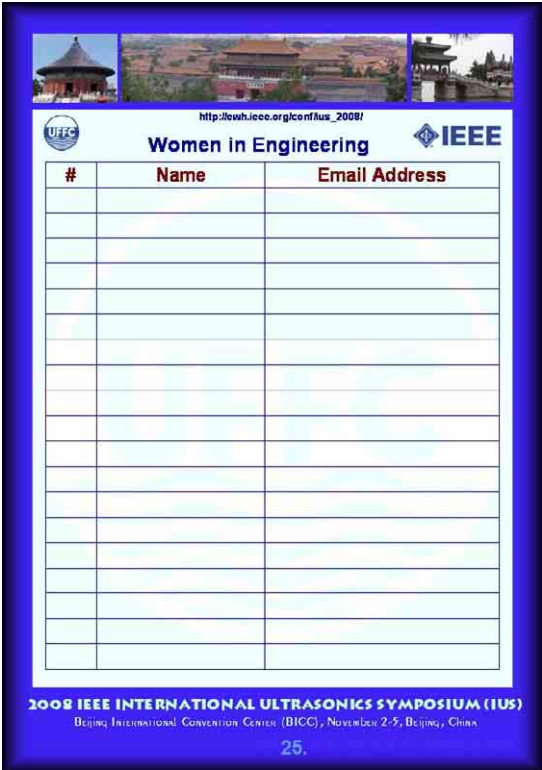


Figure VII-14. Women for Engineering Signup

(8) Poster Labels (example)



Figure VII-15. Poster Labels

(9) List of Posters (updated each day)

(10) List of Committee Meetings and PIN Mapping



Figure VII-16. Poster signs



Figure VII-17. Committee meeting list

VIII. Technical Program and Mira Digital Publishing

VIII.1. An Update

A detailed page-by-page instruction for use of the software of Mira Digital Publishing is in “**Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS**”. This appendix includes all menus: (i) “General Chair and TPC Chair” menu, (ii) “Group Chair” menu, (iii) “Reviewer” menu, and (iv) “Author” menu. A large number of screen captures of the Mira software are provided for both Abstract submissions and proceedings paper submissions. Also, screen captures of registration steps of the **2017 IEEE IUS** (the on-line registration forms are provided by a conference registration company called YesEvents) are included in **Appendix X**.

VIII.2. Technical Program

The technical program is the core of the 2008 IEEE International Ultrasonics Symposium (IUS). In addition to the logistic supports (web tools for the abstract submission, review, and conference program, etc) provided by Mira Digital Publishing and the support of the venue (rooms of adequate sizes and proper audio/visual equipment), there were two Technical Program Committee (TPC) meetings. One was on the last day of the 2007 IEEE IUS in New York, USA, to select invited speakers, suggest short course topics, and recruit new TPC members. The other was held in Chicago, USA after the abstract submission and review were completed. This meeting was to decide which abstracts to accept, combine, and reject, and determine the presentation types of the accepted abstracts, assign session chairs, and arrange the accepted abstracts into sessions to form a final conference program. The high-quality technical program that the attendees enjoyed was the result of great efforts of the 136 TPC members and the Group Chairs (Vice Chairs of TPC) of the 2008 IEEE IUS and the TPC Chair, Dr. Keith Wear, who oversaw the TPC operations. The TPC Chair also organized the process of selecting student paper awardees, in addition to other Technical Program related tasks.

To hold the 2nd Technical Program Committee meeting of the 2008 IEEE IUS in Chicago, a hotel was needed. To simplify the process, the 2008 IEEE IUS decided to use the same hotel, the DoubleTree Hotel that was used by the 2007 IEEE IUS. Since Dr. Marjorie Yuhas made a hotel arrangement and contract for the 2007 IEEE IUS, she also helped the 2008 IEEE IUS to make a similar contract with DoubleTree. We appreciate her efforts for the arrangement. The contract (with financial data removed) can be viewed in “**Appendix U. Contract - 2nd TPC Hotel for 2008 IEEE IUS**”.

VIII.3. Some Considerations and Discussions of the Technical Program

Currently, the technical programs of our conferences have six parallel sessions for three days in addition to many posters each day. In 2003 when we started to search for possible conference venues for the 2008 IEEE IUS in Beijing, only five parallel sessions were planned. Later, it became clear that six parallel sessions were necessary. Since our conferences are usually planned a few years in advance, things are likely to change and thus it would be a good idea to select a venue that has some extra capacities to accommodate the changes.

There are some arguments regarding how to accommodate the growth of our conferences. One is to increase the number of days of the conferences to be more than three days that have been our tradition since 1962, the year when the first annual Ultrasonics Symposium started. The other argument is that three days are appropriate and more than three would make it difficult for attendees and thus would be too long. However, if the number of days is not increased, then the number of parallel sessions may need to be increased assuming that the number of papers accepted for oral presentations will increase. One solution to this could be to limit the number of papers accepted for the oral presentations and thus not to increase the number of parallel sessions. More parallel sessions would make it difficult for attendees to choose sessions to attend.

Another discussion is whether Medical Ultrasound (the Technical Program Group I) should be separated from the rest of the conference since its size grows quickly in recent years (currently, about half of the papers submitted are in or related to the areas of Medical Ultrasound). There are also some arguments on this. One of the arguments is that there have been too many conferences for people to go each year. If Medical Ultrasound is separated out, it may need to create its own brand name that the annual IEEE IUS has already established since 1962 and compete with other similar conferences. In addition, the mutually-beneficial interactions of medical ultrasound with other groups such as transducers, physical acoustics, nondestructive evaluations, and surface acoustic waves would be weakened. To solve the problem of limited slots for oral sections, one way might be to increase the number of posters that could accommodate a larger number of papers in a relatively smaller space. The drawback of this approach would be that people might not have enough time to view all the posters that they would like to. The other way might be to increase the rejection rate so that people could focus their attentions to those papers that are highly recommended by the Technical Program Committee. A smaller number of parallel sessions would make it easier for conference organizers to find a venue. As the IEEE IUS conferences become more international, this would increase the flexibility. On the other hand, if the number of accepted papers and the number of parallel sessions continue to increase, eventually only big convention centers would be able to accommodate our conferences, which would limit our choices of conference locations.

There were similar discussions in 1983 too (see pp.10-11 of UFFC Newsletter, No.55, September 1983, Fred S. Hickernell, Editor, for detail.)

VIII.4. Selection of a Vendor of the Technical Program

There are several things to consider when selecting a vendor for the technical program. As mentioned before, the 2008 IEEE IUS did not plan to discontinue the previous vendor, Oasis, who had served our conferences from 2006-2007. However, the 2007 IEEE IUS had strongly suggested us to make a change. Therefore, we went out to find a vendor who would have a sound software infrastructure that is modern and flexible to allow us to customize according to the culture of our conference without the need to redevelop their software. Redeveloping substantial parts of vendors' software systems to accommodate our needs would be too expensive and time consuming to be practical. After evaluating several companies, including ePapers that was used by the IEEE International Frequency Control Symposium of the UFFC Society (after showing the tasks that the 2008 IEEE IUS would like to accomplish, ePapers did not want to bid for the services because they said that they did not have the capability to accomplish all the tasks we need) and the Federation of Animal Science Societies (FASS) (FASS was a vendor who supported our technical program before 2006 IEEE IUS and we had reevaluated its system and, in our judgment, probably because of their software design infrastructure, the system had not been improved enough to meet the flexibility and modern criteria of the 2008 IEEE IUS to allow an efficient and effective organization of the conference), fortunately, we have found a company called Mira Digital Publishing (headquarter based in St. Louis,

Missouri, USA) who was able to meet the needs of the 2008 IEEE IUS and their system was able to be customized quite easily. In fact, many of the software functions were already customizable by making selections in the General Chair and TPC Chair Menu by customers without software modifications. Due to its flexible software structure, Mira was able to provide us good services and make customizations we needed at a low price.

VIII.5. Tasks to Be Accomplished

The 2008 IEEE IUS has made a detailed list of tasks to be accomplished and a timeline of the tasks with Mira Digital Publishing for our technical program and the production of multimedia proceedings. The details of descriptions of the tasks are in “[Appendix S. Agreement - Mira Services for Technical Program and Conference Proceedings](#)” and could be useful for the future IEEE IUS conferences if their organizers would like to continue to use Mira.

VIII.6. Call for Papers

After the venue and dates of the conference were determined, the next thing for the technical program was to produce the “First Call for Papers” and the subsequent “Final Call for Papers”. The First Call for Papers had been published in the IEEE TUFFC starting from August 2007 issue and was posted on the conference web by July 4, 2007. In addition, the First Call for Papers was printed out by the Publicity Chair, Dr. Sorah Rhee, and distributed during the 2007 IEEE IUS in New York, USA. The Final Call for Papers was produced and posted on web on February 6, 2008, after the invited speakers and short courses were finalized. The First and Final Calls for Papers can be viewed in “[Appendix E. First Call for Papers](#)” and “[Appendix F. Final Call for Papers](#)”, respectively.

VIII.7. The 1st Technical Program Committee (TPC) Meeting

According to the tradition of the IEEE IUS conferences, the 1st Technical Program Committee Meeting is usually held on the last day of the prior year conference. For the 2008 IEEE IUS, it was on the last day of the 2007 IEEE IUS in New York, USA. To meet the time line, the Group Chairs have been asked to provide information on invited speakers, suggested short course topics and instructors, and new TPC members by January 15, 2008. The information was finalized for inclusion in the Final Call for Papers and on the conference website by February 1, 2008. Updated list of the TPC members was also provided by Group Chairs and the TPC Chair and then posted on the conference website by February 1, 2008. To ensure clarity as we have done previously, the 136 TPC members of the 2008 IEEE IUS were listed according to the technical groups.

VIII.8. Invited Speakers

For the 2008 IEEE IUS, there were 21 invited talks (6, 3, 4, 3, and 5 from Group I-V, respectively). Group Chairs and the TPC Chair confirmed the talks with the invited speakers. The abstracts of invited speakers were highlighted on the conference website, Final Call for Papers, Program Book, Abstract Book, and the conference Proceedings.

VIII.9. Special Clinical Session

A special clinical session with 3 invited presenters was organized by Dr. Stuart Foster for the 2008 IEEE IUS. The purpose of this session was to encourage interactions between clinical applications and the technical developments.

VIII.10. Plenary Session

For the 2008 IEEE IUS, there was a plenary session consisting mainly awards and a plenary speaker. The largest room in the conference center was used for this purpose. All attendees including guests and exhibitors were allowed to attend the plenary session. During this session, IEEE, UFFC, and Ultrasonics awards were presented. Dr. Jiqing Wang, who was a well-known expert of architectural acoustics from Tongji University in Shanghai, China, and specialized in ancient Chinese theatrical buildings, was invited to give a one-hour presentation (45 minutes for presentation and 15 minutes for questions and answers).

VIII.11. Abstract Submission Instructions

To guide authors to submit their abstracts through website properly with the Mira system that was new for our conferences, detailed instructions for authors have been posted before the abstract submission website opened on April 16, 2008 (the deadline of abstract submission was May 4, 2008, Pacific Standard Time or PST in USA). The instructions are included in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD) and are also in “[Appendix J. Abstract Submission and Results](#)”.

VIII.12. Abstract Submission Website

The abstract submission and review website was established by Mira Digital Publishing. Since it was the first time that an IEEE IUS worked with Mira and there were a lot of customizations needed to be done, it has taken the 2008 IEEE IUS a lot of time to test the website to make sure it functioned as desired. The tests were important since it would not only ensure a smooth execution of the technical program of the 2008 IEEE IUS, but also help future IEEE IUS conferences if their organizers decide to continue or resume with Mira to avoid reinvesting a large amount of time with any other new vendors. (For further improvements with the Mira system, please see “XVIII. Suggested Improvements for Mira and YesEvents Systems” of this document.)

VIII.13. Abstract Submission Login

The Mira abstract submission and review systems consist of the following (the latest updates for this item, if there are any, are given in [Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS](#)):

- Login Session:
 - Login Screen – *This allows both new and returning users to login.*
 - Forget Password Screen – *If a user forgets the username/password, the login information can be retrieved via an email.*

- Login Information or Update – *When a user logs in the first time, they are asked to choose their usernames and passwords. For a returning user, the login information can be updated.*
- User Information – *This is for the users to provide their personal information.*

The Login Screen is shown below.

2008 IEEE International Ultrasonics Symposium (IUS)
Beijing International Convention Center (BICC)
Beijing, China, November 2-5, 2008 (Please click: [Beijing Photos](#))

Sponsored by the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences

Login

2008 IEEE IUS
November 2-5, 2008
Beijing, China

The Great Wall
[Final Call For Papers](#)
http://ewh.ieee.org/conf/ius_2008/

Welcome to Beijing!
2008 IEEE IUS

Please note the following deadlines:
Abstract Submission Deadline - May 4, 2008
(Midnight, Pacific Standard Time, USA)

For support, call 866-341-9589 between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to IUS2008@mirasart.com

This Site Is Now Live For Abstract Submission!

[New User](#)

Returning User

Login Name:

Password: [Forgot your password?](#)

[New User](#)

[Questions? Read the FAQ.](#)

Copyright Mira Digital Publishing 1997 - 2008

Figure VIII-1. Abstract submission login

VIII.14. Customizations of Login and Other Pages

The Great Wall photo and instructions on the left pan of the Login Screen above were placed by the General Chair of the 2008 IEEE IUS using the Mira system that allows users of administrative privileges to upload figures and write instructions. The same has also been done for all other pages of the entire Mira system such as author abstract submission, review, chairs operations, proceedings paper submission, technical program assembly, and meeting planner, etc. The user modifiable features of the Mira system speeded up the process greatly for the 2008 IEEE IUS since there was no time wasted for multiple interactions with the vendor. The efforts of writing all the instructions carefully were worthwhile since once the instructions and customizations were developed, they could be used year-after-year with only minor modifications if the organizers of our future conferences decide to continue with Mira (Mira could simply copy the entire system of the 2008 IEEE IUS and then reuse it for our future conferences with minor modifications).

VIII.15. Author Menu (Home)

After login, users are provided with a screen called “Author Menu” (or Author Home). On this page, authors can view their email history, submit abstracts, view or modify their submissions. For conference organizers, there are additional tabs on the top right to allow them to assume roles as a reviewer, a Group Chair, or a General/TPC Chair, depending on their roles and permissions setup by the General Chair. On the upper left corner, it shows the name of the user. In the center, it shows the abstract that the user has submitted and the status of the abstract. (The latest updates for this item, if there are any, are given in [Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS.](#))



Figure VIII-2. Abstract submission Author Menu

When submitting an abstract, authors go through the following six steps to complete the submission on the Author Menu:

- (1) Provide information of the author and coauthors. – *If the user (submitter) is not a secretary of the author, the information of the user can be loaded into the field of the author by simply clicking a button.*
- (2) Enter information of the abstract and provide at least 3 but no more than 5 keywords. – *If the author is a student, a check box should be selected and then the student is provided choices for entering student paper competition and student travel supports if they wish. The conditions for the competition and travel support are given by the instructions on the left pan.*
- (3) Copy and paste the abstract to 4 fields of the preformatted abstract areas and an automatic word count will ensure that each abstract does not exceed a designated number of characters.
- (4) Author can also upload figures and/or multimedia .zip file if there is any at this step.
- (5) Proof read the abstract. – *If an author is not satisfied with the converted abstract, there is an opportunity for the author to go back and repeat some of the steps above.*
- (6) Submit the abstract by clicking on the “Submit My Abstract” button. – *Without clicking on the button “Submit My Abstract”, the website will have a status “Incomplete” for the abstract, which will prevent the abstract from being reviewed. After clicking the “Submit My Abstract” button, an automatic email will be sent to the author to congratulate the author for a successful submission. In addition, on the next screen, there will be a confirmation page showing abstract information such as “Abstract ID”, “Author Name”, “Title of Abstract”, “Group/Sub-Group”, and “Date”. Author can also click “Home” tab in their Author Menu and should be able to see the status of the abstract to be “Successfully Submitted” if the abstract is submitted properly. Please notice that before the abstract submission deadline, authors can return to the Author Menu to modify the abstract. However, the modifications require authors to complete the proof step again and then click the*

button “Resubmit My Abstract”. Otherwise, the status of the abstract will be changed to “Incomplete”.

VIII.16. Abstract Formatting

The 2008 IEEE IUS has paid attention to the abstract formatting such as leaving blank lines between different abstract categories such as “Background, Motivation and Objective”, “Statement of Contribution/Methods”, “Results”, and “Discussion and Conclusions” while having enough space for the abstract contents to fit into a single page. This might help reviewers to reduce their fatigue and make them a little easier since they are usually asked to review a large number of abstracts. As in the previous year, the 2008 IEEE IUS allowed **2500 characters** for each abstract. If authors wish to include figures, each figure would count as **500 characters**. For example, if an author wishes to include 2 figures, there would be 1500 characters left for text. From the experiences of the 2008 IEEE IUS, few authors have submitted more than two figures since doing so would leave an author too little space for text to explain their ideas clearly. The following figure shows a formatted abstract page produced automatically by Mira system after an abstract is successfully submitted (the outline box of the abstract is 11 inch by 8.5 inch in dimensions and the font is **Times New Roman** with a size of **11 points** and the 4 main sections of the abstract have about a total of 2500 characters): Any further reduction of font size would make it hard for reviewers and thus is not recommended.

Submission ID: 3

Subject Classification: MBB - Medical Beamforming and Beam Steering

Presentation Preference: Oral

Student Paper: No

Invited Speaker: No

Keywords: High Frame Rate Imaging, Fourier Transform, Data Densifying, Interpolation

Effects of Data Density of Echo Fourier Domain on Quality of High Frame Rate Imaging

Jian-yu Lu¹

¹Bioengineering, The University of Toledo, Toledo, Ohio, USA

Background, Motivation and Objective

The high frame rate imaging method [1] that was developed based on the theory of limited-diffraction beams can be implemented with the fast Fourier transform (FFT) to reconstruct images of a quality that is equivalent to the continuous dynamic focusing in both transmission and reception of the conventional delay-and-sum method. The use of FFT reduces the amount of computations dramatically for the high frame rate imaging method as compared to that of the conventional beamforming.

Statement of Contribution/Methods

In this paper, the effects of the number of data points of the echo Fourier domain on the quality of the high frame rate imaging are studied. In the study, the Fourier transform of echo data is performed across the aperture of an array transducer using FFT. To increase the accuracy of the interpolation that is necessary to reconstruct images with the high frame rate imaging method, zero padding is used to increase the number of data points in the echo Fourier domain.

Results

To find an optimum trade off between the data density and image quality, an experiment was performed. In the experiment, a home-made high frame rate imaging system [1] and a 2.5-MHz, 19.2 mm aperture, and 128-element broadband phased array transducer were used to obtain RF echo data. A commercial ATS539 tissue mimicking phantom was used as a test object. Images reconstructed have a +/-45 degree field of view and 120-mm depth. The images were obtained with 11 transmissions at an image frame rate of 486 frames/second. Images were reconstructed with 16-, 4-, 2-, and 1-fold increases in data densities, respectively. Results show that with 2 or more fold increase in the data density, the quality of images reconstructed with the bilinear interpolation is virtually the same as that obtained at higher data densities. It is also found that without data densifying (1-fold), images reconstructed have a lower resolution after about 9-cm in depth, in addition to having some random artifacts due to the inaccuracy in the interpolation process.

Discussion and Conclusions

It is found in this study that a 2-fold densifying of data in the echo Fourier domain along the transducer aperture is satisfactory for image reconstructions using the high frame rate imaging method. This is significant since the increase of the number of points in the echo Fourier domain will not only increase the computation, but also the memory usage, which would increase the complexity of hardware used to implement the high frame rate imaging method. In the future 3D high frame rate imaging, having a smaller number of data points will be more significant since the Fourier transform will be over a 2D aperture and thus any data density increase will be squared.

[1] Jian-yu Lu, Jiqi Cheng, and Jing Wang, "High frame rate imaging system for limited diffraction array beam imaging with square-wave aperture weightings," IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, vol. 53, no. 10, pp. 1796-1812, Oct. 2006.

Figure VIII-3. Example of a formatted abstract (8.5 inch x 11 inch)

VIII.17. Abstract Submission Time Curve

The following graph shows the number of abstracts submitted after the abstract submission website opened on April 16, 2008 (the abstract submission deadline was midnight, May 4, 2008, Pacific Standard Time or PST in USA). It shows that most abstracts were submitted just within a few days before the deadline (EST means Eastern Standard Time in USA, which is PST+3 hours).

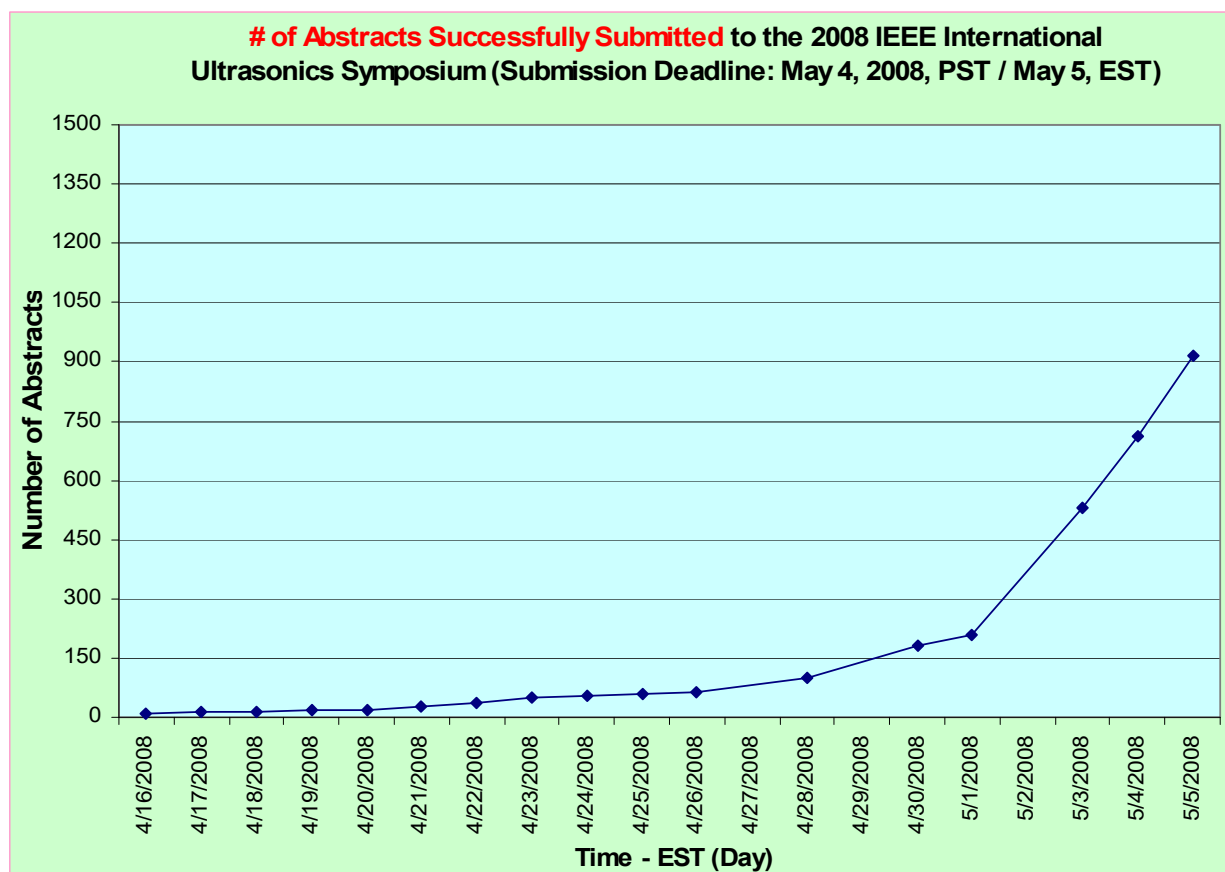


Figure VIII-4. Abstract submission activity

VIII.18. Spreadsheet from Abstract Submission

The 2008 IEEE IUS has specifically requested the following information for each abstract. This information can be downloaded as a Microsoft Excel spreadsheet file by Group Chairs or General/TPC Chairs and has been very useful for the 2008 IEEE IUS (Mira can also download the spreadsheet on behalf of the chairs if they have any difficulty due to internet time out for such a large spreadsheet and a suggested improvement for this is in "XVIII. Suggested Improvements for Mira and YesEvents Systems"):

- ID – *Unique identification number of an abstract*
- Authors – *Full names of all authors (also indicating both presenting and corresponding authors)*
- Last Name – *Last name of submitter*
- First Name – *First name of submitter*
- Institution – *Institution of submitter*
- Department – *Department of submitter*

- Street Address – *Street address of submitter*
- City – *City of submitter*
- State – *State of submitter*
- Zip – *Zip code of submitter*
- Country – *Country of submitter*
- Phone – *Phone number of submitter*
- Fax – *Fax number of submitter*
- Email – *Email of submitter*
- Title – *Complete title of the abstract*
- Group – *Group (I to V)*
- Sub-Group – *A sub-group under a group above*
- Presentation Preference – *Oral or Poster*
- Invited Speaker – *Yes or No*
- Student Submission – *Yes or No*
- Student Competition – *Yes or No (check Yes if the student would like to compete)*
- Travel Support – *Yes or No (check Yes if the student would like to be considered for travel support)*
- Travel Support Awarded – *Yes or No (determined and entered by the organizing committee)*
- Travel Support Amount – *Dollar amount (determined and entered by the organizing committee)*
- Student Home Address – *If the student would like to get travel support, enter home address*
- Student Lab Name – *If the student would like to get travel support, enter lab name (help to ensure only one student is supported from each lab)*
- Student Lab Address – *If the student would like to get travel support, enter lab address (help to ensure only one student is supported from each lab)*
- Advisor Name – *If the student would like to get travel support, enter advisor name (help to ensure only one student is supported from each lab)*
- Advisor Email – *If the student would like to get travel support, enter advisor email (help to ensure only one student is supported from each lab)*
- Thesis Date – *If the student would like to get travel support, enter thesis date (help to ensure the student is still a student at the time of conference)*
- Graduation Date – *If the student would like to get travel support, enter graduate date (help to ensure the student is still a student at the time of conference)*
- IEEE Member Number – *If the student would like to get travel support, enter IEEE member number (only student members of both IEEE and UFFC are supported and we would verify it through an IEEE database)*
- Status – *Indicate an abstract is “Successfully Submitted”, “Incomplete”, “Incomplete Notified”, “Pending Review”, “Reviewed”, “Accept Oral”, “Accept Poster”, “Combined Oral”, “Combined Poster”, “Reject”, or “Withdrawn”, etc.*
- Mean Std Dev – *Mean and standard deviation of the reviewer scores for the abstract*
- Completed Reviews – *Number of reviewers who have completed the review of this abstract*
- Reviewer 1 Rating – *There are 5 possible ratings (Accept = 4, Marginally Accept = 3, Marginally Reject = 2, Reject = 1, Abstain = No score is assigned and is used in the case of conflict of interest). The Mira system can automatically prevent an abstract from being assigned to the submitter of the abstract. However, the abstract might still be assigned to a coauthor and thus “Abstain” selection is needed. This is from Reviewer 1. If there are, say, 24 reviewers for this abstract, this item will be repeated for all 24 reviewers.*
- Reviewer 1 Comments – *This shows the comments from Reviewer 1 if there are any. If there are, say, 24 reviewers for this abstract, this item will be repeated for all 24 reviewers.*

- Reviewer 1 Reason – *If a reviewer selects “Reject” in the abstract rating above, there will be 8 reasons for the reviewer to select why he/she rejects the abstract. One of the reasons selected will be shown here for this reviewer and will be automatically transmitted to the author if the abstract is finally rejected. If there are, say, 24 reviewers for the abstract, this item will be repeated for all 24 reviewers.*
- Keywords – *Authors are requested to enter minimum 3 but no more than 5 keywords during the abstract submission.*

VIII.19. Abstract Review

After the abstract submission deadline of May 4, 2008, the review process started as soon as the organizing committee was ready (for the 2008 IEEE IUS, the review window was from May 7-27, 2008). Abstracts were assigned to reviewers by Group Chairs. When a Group Chair finished his/her abstract assignments, an automatic email was sent to General/TPC Chairs who then sent out a blast email to the assigned reviewers on behalf of the Group Chair. The emails contained links for reviewers to go directly to the Reviewer Menu (for Chairs who were reviewers themselves, their Reviewer Menus would be accessible directly from the tabs of their Chair Menus) (please notice that one suggested improvement regarding sending automatic email to General/TPC Chairs for reviewer assignments is in “XVIII. Suggested Improvements for Mira and YesEvents Systems”).

On the Reviewer Menu below, there were instructions for reviewers on the left pan and abstracts to be reviewed in the middle of the page. After the review is completed, the status of the abstract would be changed from the red “Incomplete” to a green “Complete”. (The latest updates for this item, if there are any, are given in [Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS.](#))

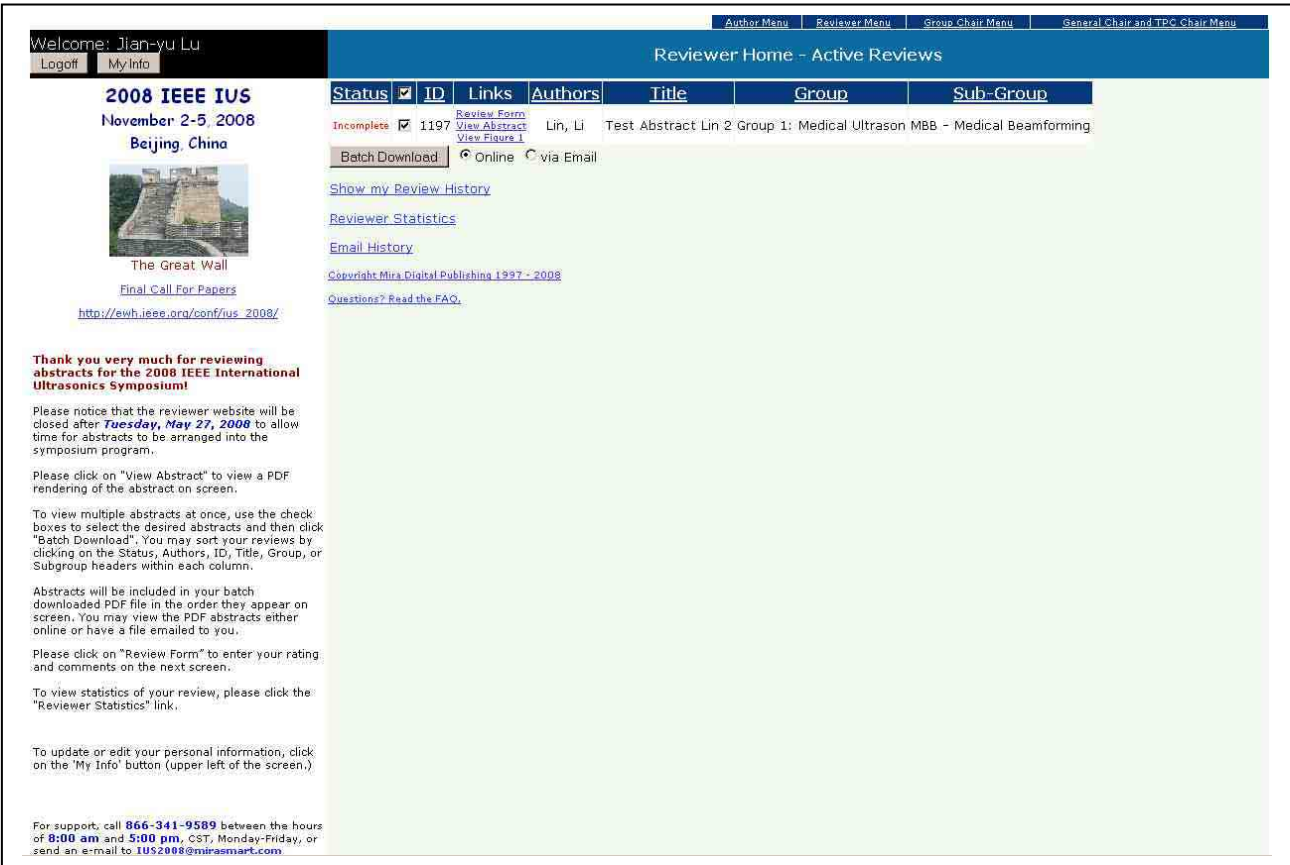


Figure VIII-5. Reviewer Menu

VIII.20. Time-Saving Features for Reviewers

Abstracts could be reviewed one-by-one online or downloaded as a single PDF file (through the “Batch Download” button) to review off-line (sometimes Group Chairs have done the batch downloads for the reviewers). If reviewed off-line, the scores can be entered quickly through the following screen “Review Form” (the latest updates for this item, if there are any, are given in **Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS**):

Welcome: Jian-yu Lu
[Logout](#) [My Info](#)

Please enter your rating, reason for rejecting (if you reject), and comments for this abstract, then click on "Submit".

Please notice that there are 8 reasons of rejection for you to choose from as follows:

1. Abstract not sufficiently novel
2. Work is previously published
3. No preliminary data
4. Inadequate experimental methods
5. Abstract is unclear or poorly written
6. Missing or inadequate conclusion
7. Promotional in nature
8. Inappropriate conference

To update or edit your personal information, click on the 'My Info' button (upper left of the screen.)

For support, call **866-941-9589** between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to IUS2008@mira.com

[View Converted Abstract](#)
[View Original Abstract](#)

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[Questions? Read the FAQ.](#)

Jump to:
☒ Show all reviews
☐ Show only incomplete reviews
☐ Show only complete reviews

Abstract ID:	1197
Review Status:	Complete
Title:	Test Abstract Lin 2
Abstract Status:	Reviewed (Total)
Authors:	Li Lin
Group:	Group 1: Medical Ultrasonics
Sub-Group:	MBB - Medical Beamforming and Beam Steering
Presentation Preference:	Poster
Rating:	<input type="text" value="Accept"/>
If rejecting, please provide a reason:	<input type="text" value="Please choose an option below"/>
Comments:	<input type="text" value="This is a test abstract."/>

Figure VIII-6. Reviewer grading page

When entering review results for multiple abstracts, one important time-saving feature to remember is to use the drop-down menu labeled “Jump to” near the top of the screen to enter the scores without going back to the Reviewer Menu. The reviewers have the option to set the drop-down menu to show only incomplete reviews. After all abstracts listed in the drop-down menu (automatically sorted according to the abstract ID) are gone, the process of entering scores is completed, saving time of reviewers and reducing the chance of unexpected internet connection problems. As explained before, reviewers can rate the abstracts in the “Rating” drop-down menu and enter any comments to help the Technical Program Committee to make appropriate decisions on the abstracts. If reviewers select “Reject” in the rating drop-down menu, one of the reasons for the rejection should be chosen from the drop-down menu of “If rejecting, please provide a reason”. The 8 possible reasons for rejection are also listed on the left pane of the page.

Other features such as statistics on the Reviewer Menu provide additional information for the convenience of reviewers.

VIII.21. Group Chair Menu

After the abstract submission deadline, the Group Chairs used the following menu to interact with the reviewers (the latest updates for this item, if there are any, are given in [Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS](#)).



Figure VIII-7. Group Chair Menu

There are 12 items in the Group Chair Menu:

- **Quick Search** – *This allows Group Chairs to search by various criteria including “Search for Abstract by Other” to find abstracts that are designated as “Invited Speakers”, “Student Papers”, “Student Papers Requesting for Travel Supports” and “Student Papers for Competitions”. Searching for Invited Speakers is important since some authors may wrongly designate their abstracts as “Invited” although they are not. In Mira system we have intentionally set it up so that it will not send any invited papers to reviewers, making reviewers a little easier since invited papers will always be accepted regardless of reviewer rating. However, for those abstracts that are incorrectly designated as “Invited”, their designation should be corrected by Group Chairs before abstracts could be assigned to reviewers. To change the “Invited” designation, simply click on the titles of the abstracts found and then click the button “Change Invited Status” to toggle the designation to non-invited.*
- **View My Abstract Lists** – *This allows the Group Chairs to view various status (such as how many abstracts have been sent to review, how many have been accepted, rejected, and combined, etc) of all the abstracts in their respective groups. If a Group Chair would like to make decisions for abstracts, he/she could look for the status “Reviewed” and then mark all the abstracts whose decisions need to be made with check boxes. Then scroll down to the bottom of the list and click the button “Batch Accept Oral”, “Batch Accept Poster”, “Batch Reject”, and so on. This would be an efficient way of making decisions for a large number of abstracts in a few clicks of buttons. In addition, by clicking on the title of each abstract on the list, decisions can also be made for individual abstracts. Decisions on abstracts can also be changed. To do so, Group Chairs could click on the title of the abstract and then make changes.*
- **View All Abstract** – *Since there may be a need to transfer abstracts, this option list abstracts of all groups. This allows Group Chairs to transfer abstracts with inappropriately designated groups to other groups. On the list, Group Chairs can click on the title of any abstract and then click the button “Reassign Group/Sub-Group” to move the abstract to another group. This ability of transferring abstracts among groups was also specifically requested by the 2008 IEEE IUS.*
- **Manage my Reviewers** – *This allows Group Chairs to add reviewers into the system.*
- **View Reviewer Lists** – *This gives a list of all reviewers and the progress of their review, such as, how many abstracts are assigned, completed, average score, standard deviation, and average of days a reviewer used to complete the review.*
- **Batch Assign Reviewers to Abstract** – *This is used by Group Chairs to assign any number of unassigned abstracts to a group of any number of reviewers in a batch. The unsigned abstracts can*

be filtered with a number of criteria such as sub-groups. For example, you could assign an entire sub-group to a selected subset of reviewers at once.

- **Send Email** – *This function allows Group Chairs to create blast emails and send them to multiple authors, reviewers, and others. For the 2008 IEEE IUS, all the blast emails were sent out by the General/TPC Chairs for a better coordination.*
- **View/Download Abstract Data** – *This allows all the abstracts in the respective group listed with all the columns shown in the spreadsheet of “Spreadsheet from Abstract Submission” subsection above. Since the number of columns is large, it may take a few minutes to display. When viewing the list, Group Chairs can download a spreadsheet that contains all the information of the abstracts of their respective groups for making decisions on abstracts (the download link is near the bottom of the long list). For General/TPC Chairs, since this could be a list for abstracts from all groups, the operation may time out and thus Mira could produce the list for the General/TPC Chairs. In the future, Mira could also divide the large spreadsheet into a few, say, 5 separate sheets according to the sequence of abstract IDs (see “XVIII. Suggested Improvements for Mira and YesEvents Systems”). The General/TPC Chairs could then combine all the spreadsheets into a complete one after downloading for various statistical analyses. Please notice that the General/TPC Chairs should assign themselves to all groups as Group Chairs in addition to assigning other chairs to their respective groups. This allows the General/TPC Chairs to have a permission to access abstracts in all groups at once when they select the Group Chair tab in their accounts. – *Note: Mira may have moved the spreadsheet to “Manager Reports” in the General/TPC Chair Menu for downloading when the link “View/Download Abstract Data” is clicked to avoid displaying too big a database directly on the screen. In this case, the General/TPC Chair or Mira should produce the spreadsheet for Group Chairs since they do not have an access to the General/TPC Chair Menu.**
- **Batch Sort Abstract Data** – *This allows Group Chairs to sort abstracts from all groups with various criteria such as “Status”, “group”, and “sub-group”, etc. The sorted abstracts can then be downloaded as a single PDF file. The most convenient sorting is according to the Abstract ID since it uniquely identifies an abstract in the review process.*
- **Allocate Student Award Money** – *This is a module specifically produced for the 2008 IEEE IUS to allow Group Chairs to allocate money for students who have asked to be considered for travel support. Group Chairs can enter the amount of money for each student until the total money allocated to the respective group runs out. In the 2008 IEEE IUS, the General Chair made the allocations for the Groups, which were in proportion to the numbers of student abstracts submitted in the groups. The amount of money each student can get depending solely on the proximity of the student to the conference venue.*
- **Program Smart Scheduling** – *After decisions are made for all abstracts, the accepted abstracts are placed into conference program grids using the module called “programSMART” of Mira. The Program Book and Abstract Book will then be produced with the database that is produced by this module.*
- **Flag reviewer assignments as complete for Group 1: Medical Ultrasonics.(Not Informed)** – *Since for 2008 IEEE IUS, the General/TPC Chairs send out Blast emails such as “Notifications to Reviewers”, “Acceptance Notice”, and “Rejection Notice”, etc, Group Chairs were asked to click this link to toggle the red “Not Informed” to green “Informed”. This notifies the General/TPC Chairs automatically via an email so that the General/TPC Chairs could send out blast emails to the reviewers of the respective group timely. (Please see a suggested improvement for this function in “XVIII. Suggested Improvements for Mira and YesEvents Systems”).*

VIII.22. General Chair and TPC Chair Menu

For the 2008 IEEE IUS, the access permissions to General/TPC Chair Menu were established by Mira staff. Once established, the General/TPC Chairs have all access to user customizable functions such as uploading the “Great Wall” images and writing instructions for login pages and other pages, entering Group Chairs information to allow them having access to the Group Chair Menu, checking and resolving problems of any abstracts by using authors’ usernames and passwords, preventing authors from submitting new abstracts after the abstract submission deadline, and turning off reviewer site so that Group Chairs could prepare for abstract decision processes, etc (the latest updates for this item, if there are any, are given in **Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS**).

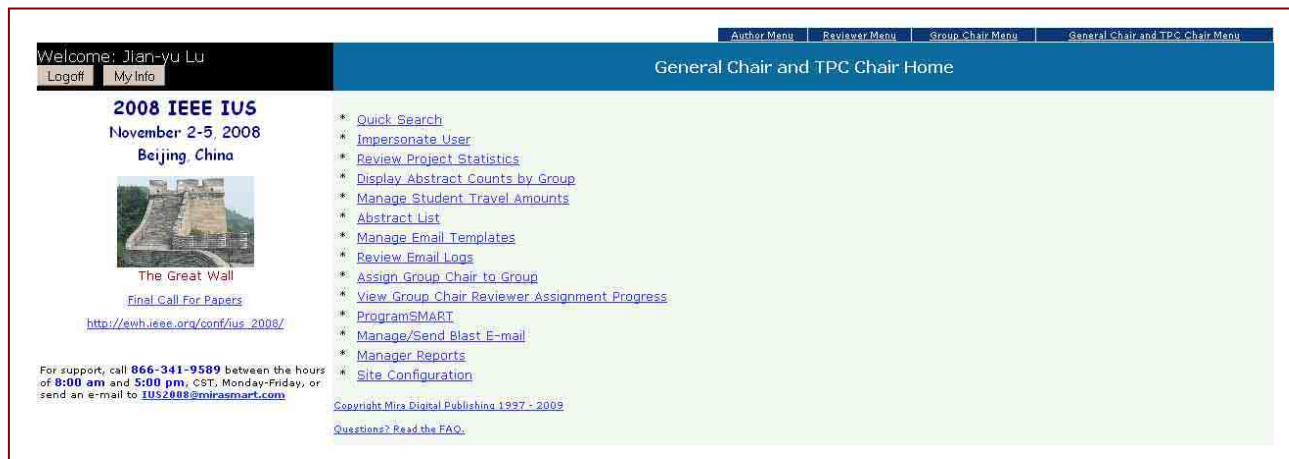


Figure VIII-8. General/TPC Chairs Home

The General/TPC Chair Menu contains the following 14 items:

- Quick Search – *It is used to find individual or a group of abstracts quickly. When an abstract is found, the General/TPC Chairs have permissions to see some details of the review process of the abstract that the Group Chairs may not be able to see.*
- Impersonate User – *Get Username and Password of one or a group of users in case they need help for their abstract submissions.*
- Review Project Statistics – *A graphical view of the total numbers of abstracts in various statuses. When click on an individual status, all the abstracts in that status are shown. By clicking on the titles of abstracts found, all details of the abstracts including the review processes can be viewed. This is a convenient place to monitor the abstract submission process in real time.*
- Display Abstract Counts by Group – *Display statuses of all abstracts organized in according to the technical groups.*
- Manage Student Travel Amounts – *This is the place where the General/TPC Chairs allocate money for each group. The software automatically prevents each group from exceeding the allocated amount for the group.*
- Abstract List – *List all abstracts submitted, for all statuses. The General/TPC Chairs have permissions to view all details of the abstracts that the Group Chairs may not have.*
- Manage Email Templates – *This is the place where email templates are produced. The templates allow emails to be sent to authors whose abstracts are accepted, rejected, and combined, etc. For example, if an acceptance letter is sent to all relevant authors, the templates will automatically enter the presentation time, date, title, and many other individualized information correctly into the email*

with only a single click of a button. As mentioned before, to coordinate the review process, for the 2008 IEEE IUS, the General/TPC Chairs sent out emails to reviewers to each group on behalf of the corresponding Group Chair using one of the email templates. Some of the email templates are in “Appendix V. Default Letters of 2008 IEEE IUS”, which could be modified for future conferences if their organizers decide to continue to use Mira.

- *Review Email Logs – This link allows General/TPC Chairs to search for an email that has been sent to or received from an author.*
- *Assign Group Chair to Group – This is the place to add or remove Group Chairs and need to be handled before Group Chairs could log in to the system.*
- *View Group Chair Reviewer Assignment Progress – This allows the General/TPC Chairs to view which Group Chair has completed the reviewer assignments. (Recall that Group Chairs must click on the link “Flag reviewer assignments as complete for Group ...” to notify the General/TPC Chairs and their action will affect the status shown here also.) (Please see a suggested improvement for this function in “XVIII. Suggested Improvements for Mira and YesEvents Systems”).*
- *ProgramSMART – This is the Mira programSMART module that is used to establish the entire conference program of the 2008 IEEE IUS. The General/TPC Chairs can freeze the access to the program in the Group Chair Menu to avoid accidentally modifications to a finalized program by the Group Chairs. For individual small changes to the program after the program is finalized, Group Chairs could let the General/TPC Chairs make the changes, which, with the experiences of the 2008 IEEE IUS, will not be many.*
- *Manage/Send Blast E-mail – This lists all the emails that the General/TPC Chairs have ever sent out. It also allows the General/TPC Chairs to send out any customized emails or emails with templates using the abstract submission database for various groups of recipients.*
- *Manager Reports – This shows all the reports (spreadsheets) that the General/TPC Chairs and Group Chairs have produced. The spreadsheets that have been produced are listed by the names of the users who produced them. Spreadsheets previously downloaded can also be downloaded again from here.*
- *Site Configuration – This is the place where the General/TPC Chairs set up the instructions on the left pan of each page, upload logos and conference images, determine the website behaviors (such as double-blind review process or not), prevent Group Chairs accidentally change the final conference program, shut down the abstract submission site after the abstract submission deadline, and shut down the proceedings papers submission website after the deadline, etc. In addition, it also controls the roles of Authors, Reviewers, Group Chairs, and General/TPC Chairs. For proceedings paper submission, it also controls the types of files that are allowed to be uploaded (such as Word, LaTeX, PDF, ZIP, and so on).*

VIII.23. Default Letters (Email Templates)

Mira system has provided convenient blast email function that allows users to send emails with or without templates. For the 2008 IEEE IUS, the General Chair has developed or customized the default letters (email templates) and the TPC Chair has improved them. These letters can be sent to groups of people automatically or manually for various purposes (there is a check box in the Mira system to select “auto” or not). These letters could be modified for future conferences. Default letters with templates save time and automate the operations. The automatic process is also accurate since it takes data from the Mira abstract submission database that contains our final technical program and the reviewer information entered by Group Chairs. Some of the default letters and explanations of their uses are in “Appendix V. Default Letters

of 2008 IEEE IUS”. The latest updates for this item, if there are any, are given in [Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS.](#)

VIII.24. The 2nd Technical Program Committee (TPC) Meeting

After the abstract submission deadline passed and all abstracts were reviewed, there was a second Technical Program Committee (2nd TPC) meeting for the 2008 IEEE IUS. The main tasks of this meeting was to make decisions for the abstracts (accept oral, accept poster, combined oral, combined poster, and reject), select student paper competition finalists, and assemble the entire conference program with a coordination among all the groups.

For the 2008 IEEE IUS, the 2nd TPC was held in one-and-a half days in the DoubleTree Hotel, Rosemont, Illinois, USA (near the Chicago O’Hare Airport) from June 14-15, 2008. The first day of the meeting was to make decisions for all abstracts by both TPC members and Group Chairs with technical support from two Mira representatives. In the morning of the 2nd day, Group Chairs worked together with the TPC Chair and General Chair to assemble the conference program with technical help from the Mira representatives. The Group Chairs also selected the student travel support awardees using the Mira Student Travel Support functions developed for the 2008 IEEE IUS.

VIII.25. Condensed Technical Program

After the 2nd TPC meeting, the technical program of the conference was formed and stored in the Mira programSMART module. With the program information, a Condensed Program of the 2008 IEEE IUS was produced by the General Chair. To help attendees to find their sessions more easily, colors have been added to distinguish different technical groups. In addition, if a session had invited speakers, additional designation such as “1I”, “2I”, or “3I” was added to indicate that there were one, two, or three invited speakers in the session.

The sizes of the conference rooms were also indicated in the condensed program. As a rough estimate, each attendee would occupy about 1 m² when sitting down in a theater setting. Some spaces of the rooms must be used for the projection equipment, podiums, and bucket water and cup tables, and thus the number of square meters of a room does not necessarily be able to hold the same number of attendees. The condensed program is shown in “[Appendix D. Condensed Program](#)”.

VIII.26. Session Chairs

After the final program was determined, the list of session chairs was available from the Mira system. To make sure Session Chairs were aware of the sessions they would chair, for the 2008 IEEE IUS, the General/TPC Chairs or Group Chairs sent out invitations to the Session Chairs. In addition, a web page was developed to help session chairs to find their sessions. Colors were added to the page to distinguish different technical groups. The web page has been saved in the 2008 IEEE IUS Proceedings DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD) and in the print Proceedings. It is also included in “[Appendix O. Session Chairs](#)”.

VIII.27. Session Summary Form

The Session Summary Form is very important for our conferences since we rely on the form to determine which papers have not properly presented and thus should be excluded from publication in our conference proceedings. The form also provides information on an estimated maximum number of attendees in each session. This information would help future conferences to select venues of proper sizes. A version of the form has been posted on the 2008 IEEE IUS conference website and included in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). It is also in “[Appendix P. Session Summary Form](#)”.

VIII.28. Abstract Results

For the 2008 IEEE IUS, after the conference program was finalized, authors were notified their abstract results on July 2, 2008. Since many authors have spam filters in their email systems and the announcements of the abstract results may not reach some of them. In this case, authors have been instructed by the conference website to login to the Mira abstract submission website with the same usernames and passwords to check the log of all emails that have been sent to authors from the Mira system. This worked very well for the 2008 IEEE IUS and we do not recall that there were any authors asking for the results of their abstracts. The web page that announces the abstract results is in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD) and in “[Appendix J. Abstract Submission and Results](#)” as well.

VIII.29. Setting Abstract Submission Site Permissions

To allow authors to check their missed emails after the abstract submission deadline (for proceedings paper submission, the procedure is similar), the General/TPC Chairs have to select appropriate check boxes in the Site Configuration -> General Site Settings of the General/TPC Chair Menu as follows (the latest updates for this item, if there are any, are given in [Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS](#)):

- ☒ Enable Site for Public Access
 - ☒ Site Open for Author Login
 - ☒ Allow Author Login
 - ☐ Allow Creation of New User Accounts
 - ☐ Allow Creation of New Submissions
 - ☒ Allow Reviewer Login
 - ☒ Allow Chair Login

The first check box “Enable Site for Public Access” is to enable or disable the entire website. This should always be checked. The second check box “Site Open for Author Login” should also be enabled. The third check box “Allow Author Login” needs to be checked so that authors could login to check their emails. The fourth and fifth check boxes “Allow Creation of New User Accounts” and “Allow Creation of New Submissions” are related to abstract submissions. If “Allow Creation of New User Accounts” is checked, users are allowed to create new accounts. If “Allow Creation of New Submissions” is checked, a button will appear on the Author Menu to allow authors to submit new abstracts. After the abstract submission deadline, the fourth and fifth check boxes should be turned off so that no new accounts could be created and

no new abstracts are allowed to be submitted. The sixth check box “Allow Reviewer Login” is to turn the reviewer login on/off in preparation for conference program assembly. After the review deadline, this box should be checked off. The last box “Allow Chair Login” is to control Group Chairs login. The check box statuses shown above will allow authors to check their emails after the abstract submission deadline.

The various functions of the Mira abstract submission, review, paper submission, and other websites could also be set to automatically shutoff by Mira on deadlines through software coding. However, Mira suggested that it would be better for the conference organizers to control the sites since automatic shutoff could result in unintended side effects such as some authors have legitimate reasons that their abstracts are not on time and some invited speakers could submit their abstracts later but the conference organizers would allow them to be submitted, and so on. For the 2008 IEEE IUS, the site was shutdown by the General Chair on the abstract submission deadline. For two or three invited speakers who were late, the General Chair opened the site again to allow the invited speakers to complete their submissions and then close the site as soon as the submissions were complete.

VIII.30. Audio/Visual Guide for Oral Presentations

For the 2008 IEEE IUS, we allowed presenters to either upload their files to the conference laptop computers in the conference rooms or hook their own computers to the video projectors. This provides a maximum flexibility. If presenters did not have multimedia contents, they could copy their PowerPoint presentation files to the conference computers. If they had movies and animations, they could connect their computers directly to the projectors so that all necessary codec were available to play their multimedia contents. Usually, centralized audio/visual uploading of files in ahead of the presentations would fail to play some of multimedia files since it would be very difficult to include all possible codec in such a system.

To implement such audio and visual scheme smoothly, clear instructions to oral presenters are essential. The 2008 IEEE IUS has placed comprehensive instructions titled “Oral Presentation Guide” on the conference website. The instructions are now saved in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD) and are also in “[Appendix N. Guides for Oral and Poster Presenters](#)”. In addition, there was one staff member in each oral presentation room to help presenters and check badges.

VIII.31. Session Labels of Oral Presentations

Session labels of oral presentations of the 2008 IEEE IUS have the format such as “2J-5”. The number “2” before “J” means the 2nd of the 6 parallel sessions, “J” indicates a time slot, and “-5” means the fifth talk in the session “2J”. I.e., we had “1J”, “2J”, “3J”, “4J”, “5J”, and “6J” for 6 parallel sessions in a given time slot. We also had “A”, “B”, “C”, ..., “K” for 11 time slots of the entire conference. Each time slot was 1.5 hours long. (There were only 3 time slots on Monday, November 3, 2008 due to a plenary session. On both Tuesday and Wednesday, November 4-5, 2008, there were 4 times slots each day.)

The session labels are used in Program and Abstract Books, print conference proceedings, DVD, attendee meeting planner, session signage, and many other occasions. Therefore, it would be convenient for attendees and DVD users if there are some consistent and easy-to-follow rules. For details of the session labels of the 2008 IEEE IUS, please see “[Appendix D. Condensed Program](#)”.

VIII.32. Poster Presentations and Labels

For poster presentations, learning from previous IEEE IUS conferences, the 2008 IEEE IUS tried to make authors and attendees as convenient and orderly as possible by:

- (1) Developing a scheme to produce poster labels
- (2) Marking the poster locations on the floor plan
- (3) Showing photos of both poster board and magnified poster board surface so that attendees could figure out what to expect when posting their presentations and thus prepare their posters accordingly

In addition, clear poster board labels were produced to help both attendees and the Session Chairs. Using the poster labels, Session Chairs could identify unambiguously those papers that have not been properly presented in the conference at the slotted time so that these papers would not be published in the conference proceedings.

An example of the poster labels has been shown earlier in the “Signage” subsection of this document. For the convenience of readers, the scheme of the poster label is repeated as follows: --- The top portion of the label indicates that the poster board number, say, “023”, that is also shown on the floor plan. The lower part is a unique number for each poster, say, “**P2A023-01**”, where “P” means poster, “2” after “P” means a poster on the 2nd day (Tuesday for the 2008 IEEE IUS), “A” after “P2” means poster Session A, “023” after “P2A” means the poster should be placed on board number 023 (see the floor plan in Section VII for location of this board), and “-01” after “P2A023” means the first poster on the poster Session A.

Detailed instructions to the poster presenters were placed on the web as “Poster Presentation Guide” and have been saved in the conference DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). These instructions can also be viewed in “**Appendix N. Guides for Oral and Poster Presenters**”.

VIII.33. Student Paper Awards

The student paper award process has been integrated into the Mira abstract submission system. When students submit their abstracts, they need to select proper check boxes if they intend to enter the student paper competition. However, students must meet certain criteria to enter the competition. A version of the criteria is on the 2008 IEEE IUS conference web and in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). It is also in “**Appendix L. Student Paper Competition**”.

The 2008 IEEE IUS has selected 21 student paper competition finalists (9 from Medical Ultrasound and 3 from each of the remaining 4 groups). This number was roughly proportional to the number of student papers submitted in each group and final winners were selected in a 3:1 ratio. I.e., there were 3 winners from Medical Ultrasound and 1 from each of the remaining 4 groups). The 2008 IEEE IUS also posted the winners on the web, in addition to posting many photos and videos taken during the conference for the finalists and winners. A student award ceremony was held in conjunction with the formal banquet dinner/shows on Tuesday, November 4, 2008, the second night of the conference. The photos and videos are also in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD).

Please notice that for the 2008 IEEE IUS, among the 21 student paper competition finalists, 18 of them had both oral and poster presentations. Therefore, the conference program database and proceedings paper

spreadsheet in the next section may reflect these 18 poster duplicates and thus the total number of accepted abstracts may appear 18 more than the actual number, although the duplicated entries may have the same abstract or paper ID.

VIII.34. Student Travel Support

For the 2008 IEEE IUS, much of the student travel support selection process has been integrated into the Mira system. When students submit their abstracts, if they wish to be considered for student travel support they need to indicate so and then provide relevant information for the conference organizers to make decisions. One of the important criteria to qualify for the support is that students must be [both IEEE and UFFC members](#) (students must enter valid IEEE membership numbers that could be verified by the IEEE membership database). After the abstract submission deadline, the General Chair can easily get all needed information from the spreadsheet downloaded from the Mira system (see “Spreadsheet from Abstract Submission” above). The membership requirement is also shown on the left pan instructions of the Mira abstract submission website. The detailed criteria for student travel support have been posted on the web and are included in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). They are also in “[Appendix M. Student Travel Support](#)”.

For the 2008 IEEE IUS, there were [50](#) students who have received the travel support. The names of these students have been listed on the conference website that is now included in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). They are also listed in “[Appendix M. Student Travel Support](#)”. According to the current policy, these students are no longer eligible for student travel support from our future conferences so that more students could benefit from our support. Therefore, it is important for the 2008 IEEE IUS to keep a clear list of students who have received the support.

VIII.35. Students to Join IEEE and IEEE UFFC

The 2008 IEEE IUS continued the tradition of our conferences to encourage students to attend the conferences and participate in our society activities and provided students low registration fees and opportunity for travel support since students are the future of our society. The 2008 IEEE IUS also gave students opportunity to participate in the conference on the same level as other attendees (such as participating in the Banquet/Shows on Tuesday, November 4, 2008), in addition to the Student Breakfast. To encourage students to join IEEE and IEEE UFFC Society, the 2008 IEEE IUS has placed the following paragraph on the conference website:

“The Ultrasonics, Ferroelectrics, and Frequency Control (UFFC) Society of the Institute of Electrical and Electronics Engineers (IEEE) covers areas of ultrasonics, ferroelectrics, and frequency control among others. It will be very beneficial to join this excellent Society for your future professional careers. You will be able to interact with other members and contribute to the growth of the IEEE UFFC society. You will also be eligible for consideration to receive travel supports to various IEEE UFFC national and international conferences. The future of the society is in your hands. Please click on the link to join today and you will also be able to access the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC) journal among other publications that will benefit your entire professional life. A discount membership fee is available for students.”

VIII.36. Program and Abstract Books

The 2008 IEEE IUS has decided to continue to produce both Program and Abstract Books in both electronic and print forms, as we have done in the past. A print form would be convenient for attendees during the conference. With the database in the Mira programSMART, Mira produced a draft of both Program and Abstract Books with Author Indices. The General Chair then added the front matters related to the conference, added colors, improved the appearances of both books, ensured that the font sizes would not be too small (no smaller than 5 for abstract title, author names, and author affiliations) for any program grid in the Program Book so that the contents were readable, designed the cover arts of the books, added the Table of Contents, bleed tabs, page numbers, headers and footers, and produced final PDF files for CICCST to print them in China. The floor plan and condensed program (there were only a few pages and thus additional color printing costs were negligible) were printed in color to ensure clarity for both the Program Book and Abstract Book. The final versions of the covers of the books are in “**Appendix H. Covers of the Program and Abstract Books**” and the electronic copies of the Program Book and the Abstract Book are on the conference website as well as in the proceedings DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD).

Since not all the authors of accepted abstracts would submit proceedings papers (total 674 abstracts accepted but only 553 papers were published in 2008 IEEE IUS), it would be useful to include both the Abstract and Program Books in the conference proceedings so that readers could at least get the abstracts if they could not find full papers in the proceedings.

VIII.37. Meeting Planner – attendSMART

The Mira system contains a module call attendSMART that is a meeting planner for attendees to make an individualized meeting program before they go to the conference. The login page of the meeting planner is shown below (it is similar to that of the abstract submission except that the wordings in the middle blue band and on the left pan are different):

Home Click on Images above to Enlarge

2008 IEEE International Ultrasonics Symposium (IUS)

Beijing International Convention Center (BICC)
Beijing, China, November 2-5, 2008 (Please click: [Beijing Photos](#))

Sponsored by the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society

In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences

Individual Meeting Planner Login

Login Page

Personal Meeting Planner

2008 IEEE IUS
November 2-5, 2008
Beijing, China

The Great Wall

[Condensed Program](#)
http://ewh.ieee.org/conf/ius_2008/

Welcome to Beijing!

2008 IEEE IUS

For support, call 866-341-9589 between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to IUS2008@mirasmar.com

Returning User Login

[Browse](#) Choose this option to browse without logging in. Please note you will be unable to create an itinerary with this option.

[New User](#) Choose this option if this is your first time using the site and you wish to create an itinerary.

Login:

Password: [I forgot my password](#)

Copyright Mira Digital Publishing 1997 - 2008

[Questions? Read the FAQ.](#)

Figure VIII-9. attendSMART login page

The usernames and passwords are the same as those for the abstract and proceedings paper submission websites. For attendees who have not submitted an abstract, they can either click the button “Browse” to view the program without producing an itinerary or create their usernames and passwords through the “New User” button.

After login, users are presented a search screen. The 2008 IEEE IUS has requested the following search terms for attendees to find abstracts for their personalized itineraries or programs:

- Submission Title – *Search by abstract title*
- Author Last Name – *Search by author’s last name*
- Author First Name – *Search by author’s first name*
- Group – *Search by one of the 5 technical groups with a drop-down menu*
- Sub Group – *Search by sub-group under each group with a drop-down menu*
- Session Name – *Search by session name with a drop-down menu*
- Session Day – *Search by session day with a drop-down menu*
- Session Start Time (24 hour format, e.g. 08:30, 13:00) – *Search by session starting time*
- Presentation Start Time (24 hour format, e.g. 08:30, 13:00) – *Search by presentation starting time*
- Room – *Search by presentations in a particular room with a drop-down menu*
- Presentation Format – *Search by presentation format such as oral and poster with a drop-down menu*
- Keyword – *Search by keywords*
- Invited Speakers – *Search invited speakers with a drop-down menu*

- Student Finalists – *Search student paper competition finalists*
- Program Label – *Search program labels such as 2J-5 (the program labels are on the conference web, and in both the Program and Abstract Books)*

Similar to the abstract submission and review websites, instructions on how to use the search screen of the meeting planner are on the left pan of the screen and can be modified via the General/TPC Chair menu. The search screen is shown below:

2008 IEEE International Ultrasonics Symposium (IUS)
 Beijing International Convention Center (BICC)
 Beijing, China, November 2-5, 2008 (Please click: [Beijing Photos](#))

Sponsored by the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
 In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences

Welcome: Jian-yu Lu
 Logoff MyInfo

Search Home

Personal Meeting Planner
Welcome to Beijing!
2008 IEEE IUS
November 2-5, 2008
[Condensed Program](#)
http://ewh.ieee.org/conf/ius_2008/

Note: The items in this search page will be more restrictive as more items are selected simultaneously!

Submission Title: Type in the whole or partial title of a presentation.

Author Last Name and Author First Name: Provide author names to narrow the search results.

Group and Sub Group: These will further restrict your search with other combinations. Please check the "Condensed Program" link above or the "Call for Papers" on the conference website to get the definitions of the groups and sub groups.

Session Name and Session Day: Please check the "Condensed Program" link above to see how the sessions are laid out.

Session Start Time and Session End Time: Please check the "Condensed Program" link above to find the session start and end time.

Room: Please check the "Condensed Program" link above to see the sessions in a particular room.

Presentation Format: Select only Oral or Poster presentations.

Keyword: Keywords that authors entered during abstract submissions.

Invited Speakers: Find 24 Invited Speakers including Invited Clinical Speakers.

Student Finalists: Find 21 Student Competition finalists.

Program Label: If you know the program label of an abstract, you will be able to quickly find it with this entry.

For support, call 866-341-9589 between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to: 1US2008@minisart.com

Copyright Mira Digital Publishing 1997 - 2008
[Questions? Read the FAQ.](#)

Search Itinerary Home

Figure VIII-10. attendSMART search page

To show their personalized conference program, users can click the "Itinerary Home" button near the bottom of the search screen. The Itinerary Home provides the following six options for the users:

- Add selections to my itinerary – *Allow users to add more abstracts to the itinerary through the search screen above*

- Remove selections from my itinerary – *Remove selected items*
- Delete this itinerary – *Delete this itinerary and create a new one*
- View itinerary in printer-friendly window – *View itinerary in a printer-friendly format for printing*
- Download itinerary to PDA – *Download completed itinerary to users Personal Digital Assistance (PDA) devices*
- Logoff – *Logoff from the meeting planner*

IX. Conference Proceedings

IX.1. Introduction

There were two major changes (see the Section “Introduction” at the beginning of this document for the reasons and benefits of the changes) for the publication of the conference proceedings of the 2008 IEEE International Ultrasonics Symposium (IUS) as compared to previous years. The first was the change of vendor from the IEEE Conference and Custom Publishing (CCP) to the integrated Mira Digital Publishing system. The second was to produce context-sensitive PDF-based multimedia DVD proceedings, which was based on the success of the multimedia method we developed for the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC) and is the first in the 46-year history of our annual conferences. Because of these changes, the 2008 IEEE IUS has devoted extra efforts to develop the conference proceedings to ensure its quality.

During the conference proceedings paper submission and subsequent development, the Proceedings Chair, Dr. Kendall Waters, worked closely with the General Chair. The Proceedings Chair interacted with IEEE to get Letter of Acquisition that contained all the information that our proceedings need, for example, ISBN numbers, ISSN number, IEEE Catalog number, Library of Congress number, and instructions that a publication vendor and the 2008 IEEE IUS should follow. The Proceedings Chair also helped to test the proceedings paper submission website, checked papers collected from Mira Digital Publishing, interacted with authors, collected copyright forms for some authors who were not able to complete the paper submission process due to some technical difficulties, tested the DVD proceedings, wrote the Editor’s Note, and performed other related tasks such as collecting the Session Summary Form (see “[Appendix P. Session Summary Form](#)”) during the conference and reviewing the contract with Mira for the publication of proceedings (see “[Appendix S. Agreement - Mira Services for Technical Program and Conference Proceedings](#)”).

IX.2. Mira Streamlined Paper Submission System

After the conference program is finalized, Mira converted the abstract submission website to proceedings full paper submission site. The advantages of this are to allow the same abstract submission database to be used and authors can use their existing usernames and passwords to login to submit full papers. Since the Mira system already has all the technical program information and thus knows which abstracts have been accepted, it automatically allows only those authors whose abstracts were accepted to submit full papers. In addition, Mira paper submission system has a complete credit card charging module integrated with the paper submission process and thus allows authors to pay overlength (extra) page charges, if there are any, during their paper submission. The integrated overlength page charge payment system avoided the difficulty of our previous paper submission vendor who could not collect the money and thus authors had to pay these charges through another vendor (the Federation of Animal Science Societies - FASS) who handled the previous conference registration and might not have any knowledge of the submitted papers. The Mira paper submission system also uses the same IEEE electronic copyright (eCF) form, which is very convenient. During the last steps of the paper submission, authors are directed to the IEEE eCF website. If an author does not complete the eCF, the paper submission process is not complete and the status of the paper would be “Incomplete” in the Author Menu and the author needs to login to the system to continue the paper submission process if he/she intends to submit the paper.

IX.3. Change of Paper Submission Deadline

For the 2008 IEEE IUS, the deadline of the proceedings paper submission was one day before the technical sessions started, i.e., on November 2, 2008, which was different from that of previous years (it used to be the last day of the conference). This was not originally planned and the change was directed by the Ultrasonics Committee of the UFFC Society during the 2007 IEEE IUS (October 28-31, 2007) to address a concern that some authors might include materials presented by others during the conference in their papers.

IX.4. Multimedia Conference Proceedings Papers

Encouraged by the success of the context-sensitive, PDF-based multimedia paper publications of the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC), the 2008 IEEE IUS has started to publish multimedia conference papers in a similar way. This is the first in the 46-year history of the annual IEEE International Ultrasonics Symposia. The TUFFC PDF-based multimedia format has now been adopted by IEEE as a new multimedia standard and the multimedia papers of the 2008 IEEE IUS Proceedings are now in IEEE Xplore.

An example multimedia paper (DOI: 10.1109/ULTSYM.2008.0011) that contains movies in the 2008 IEEE IUS proceedings can be viewed at the IEEE Xplore website below (these movies are an integral part of the paper and are important to appreciate the techniques developed in the paper):

<http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=4803132&isYear=2008>

When the page is displayed, on the "Search this Conference Proceeding" box near the top, please enter the DOI of the paper, 10.1109/ULTSYM.2008.0011, and then enter your username and password for IEEE Xplore. The following will be displayed:

1. 3-D laparoscopic imaging
 Zipparo, M.; Oakley, C.; Denny, R.; Azim, S.; Balannik, V.;
 Soferman, Z.; Berman, M.; Nechushtai, R.; Kopelman, D.;
 Ultrasonics Symposium, 2008. IUS 2008. IEEE
 2-5 Nov. 2008 Page(s):40 – 44
 Digital Object Identifier 10.1109/ULTSYM.2008.0011
 AbstractPlus | Full Text: PDF(1252 KB) | Multimedia

You could then click the PDF paper link and play movies through multimedia icons within the PDF file. You could also browse or download individual multimedia files or multimedia zip package via the Multimedia link. With the help of movies, the paper is more informative to the readers.

IX.5. Instructions for Proceedings Paper Preparation and Submission

Since it was the first time that an IEEE IUS conference published multimedia proceedings, the 2008 IEEE IUS had a lot of interactions with Mira to setup the process properly. To facilitate the production of the multimedia proceedings, detailed list of tasks has been sent to Mira (see "[Appendix S. Agreement - Mira](#)")

Services for Technical Program and Conference Proceedings”). In addition, to ensure a proper preparation and submission of multimedia papers, detailed instructions and examples have been provided on the conference website for authors. The instructions are also included in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD) and in “**Appendix K. Proceedings Paper Submission**”.

IX.6. Submission of Proceedings Papers

The login page of the paper submission website is similar to that of the abstract submission, except that the wordings in the middle and on the left pan are different (the latest updates for this item, if there are any, are given in **Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS**):

2008 IEEE International Ultrasonics Symposium (IUS)
Beijing International Convention Center (BICC)
Beijing, China, November 2-5, 2008 (Please click: [Beijing Photos](#))

Sponsored by the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences

Login

Paper Submission Deadline - **Midnight, Sunday, November 2, 2008** (Beijing Time)

2008 IEEE IUS
November 2-5, 2008
Beijing, China

[Accepting Multimedia Papers: Paper Preparation Instructions](#)
http://ewh.ieee.org/conf/ius_2008/

Welcome to Beijing!
2008 IEEE IUS

Please note the following deadline:
Paper Submission Deadline - **Midnight, Sunday, November 2, 2008** (Beijing Time)

For support, call **866-341-9589** between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to 1152688@miraemark.com

This Site Is Now LIVE for Paper Submission!

[New User](#)

Returning User

Login Name:

Password: [Forgot your password?](#)

[Required](#)

Copyright Mira Digital Publishing 1997 - 2008
[Questions? Read the FAQ.](#)

Figure IX-1. Proceedings paper submission login page

After login in, an Author Menu showing “My Papers” that is similar to that of the abstract submission is shown below:

Welcome: Jian-yu Lu
 Logoff My Info

2008 IEEE IUS
 November 2-5, 2008
 Beijing, China


 The Great Wall

Accepting Multimedia Papers:
[Paper Preparation Instructions](#)
http://ewh.ieee.org/conf/ius_2008/

Welcome to Beijing!
 2008 IEEE IUS

• Please click on the link, "Continue", in the "Action" column to start uploading your paper.

For Support, call 866-341-9589 between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to IUS2008@miraemark.com

My Papers

Action	ID	Type	Title	Status
View Paper Edit View Receipt	3	Oral	Effects of Data Density of Echo Framer Domain on Quality of High Frame Rate Imaging	Successfully Submitted
View Paper	1195		This Is a Test	Withdrawn by Admin
View Paper View Receipt	1203	Invited	Test - 1203	Withdrawn by Admin
View Paper View Receipt	1204	Invited		Withdrawn by Admin
View Paper View Receipt	1205	Oral		Withdrawn by Admin
View Paper View Receipt	1206	Poster	Test - 1206	Withdrawn by Admin
View Paper View Receipt	1207	Poster	Test - 1207	Withdrawn by Admin

[Email History](#)

Copyright Mira Digital Publishing 1997 - 2008
[Questions? Read the FAQ.](#)

Figure IX-2. Author Menu for proceedings paper submission

There are 7 steps to complete the online paper submission (these steps are also shown as tabs on the top part of the submission window after the paper submission starts):

- **Authors** – This step allows authors to enter their author information such as names, affiliations, and order of authors. This is necessary since the author and affiliation information may be different from that of the original abstract.
- **Paper Information** – This step allows authors to modify their paper title and reenter keywords if they are different from the original abstract.
- **Paper Upload** – This step is for authors to enter the abstracts of the paper being submitted. Abstracts of the papers are different from those that were submitted for the review purpose. This page also requests authors to upload the paper in a file format that is acceptable by the system (see “Appendix K. Proceedings Paper Submission” for details).
- **Multimedia Files** – This step asks authors to upload multimedia files if there are any. The details of preparation and submission of multimedia contents are provided in “Appendix K. Proceedings Paper Submission”.
- **Proofread** – This step provides an opportunity for authors to proofread their paper.
- **Payment** – This step allows authors to pay for overlength (extra) page charges. For the 2008 IEEE IUS, up to 10 pages are allowed for invited papers without page charges and up to 4 pages are allowed for regular papers. The number of pages of the papers is detected automatically by the Mira system and an appropriate amount is invoiced on this page. If there is no page charge, the system allows authors to continue to the next step.
- **Submit** – This step is for authors to submit the paper by clicking the “Submit My Paper” button. This button will bring authors to the IEEE website to fill out the IEEE Electronic Copyright Form (eCF). After completing the copyright form, authors are brought back from the IEEE website to finish the paper submission. When return, authors are presented with a confirmation page containing information such as Paper ID, Submission Date, User Name, Paper Title, Number of Page, and the Overlength page charge payment summary. Authors will get an automatic email notification as a confirmation after this step.

IX.7. Proceedings Paper Submission Time Curve

The following graph shows the number of papers submitted after the paper submission website opened on October 10, 2008 (the paper submission deadline was midnight, Sunday, November 2, 2008, Beijing Time). It shows that most papers were submitted just within a few days before the deadline.

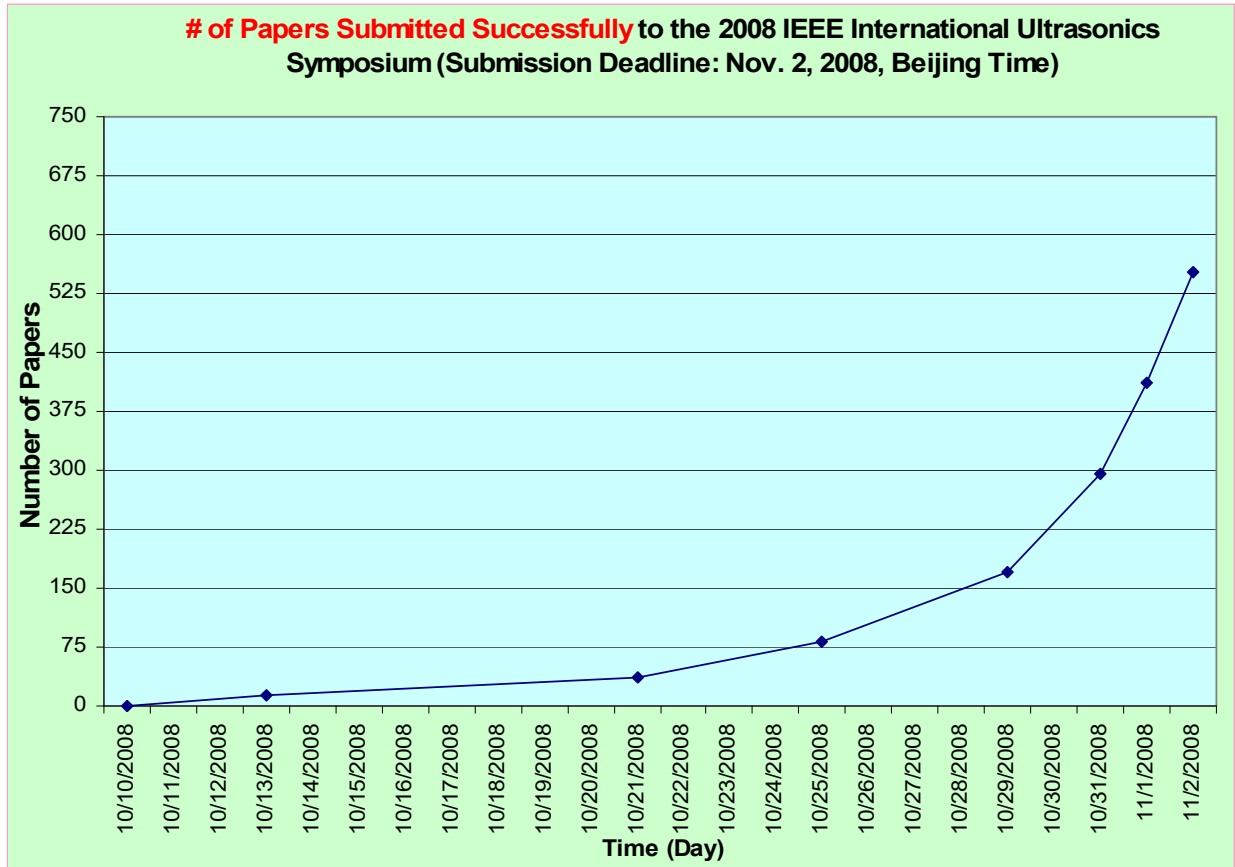


Figure IX-3. Proceedings paper submission activity

IX.8. IEEE PDF eXpress

The 2008 IEEE IUS also allowed authors to submit PDF files although the preferred file type was Microsoft Word. To ensure authors produce IEEE Xplore compatible PDF files, we have used the IEEE PDF eXpress, an IEEE service that is free to IEEE conferences, to allow authors to convert their word processing files such as LaTeX and many other types of files allowed by IEEE to PDF files. The login Page of the IEEE PDF eXpress is shown below:



Figure IX-4. Login page of IEEE PDF eXpress for proceedings paper submission

After a file is uploaded, IEEE will send the converted file back to the authors within 24 hours (when tested by the 2008 IEEE IUS, it usually took a few minutes to convert a file). The file conversion screen is shown below:

IEEE The world's leading professional association for the advancement of technology

Shop | Join | myIEEE | Contact Us | Sitemap | IEEE Xplore

About Us | Membership | Publications | Conferences | Standards | Careers | Education | Volunteers | Societies | Geographic Activities

File Upload Results

- If you submitted a file for conversion a PDF will be sent to you shortly via email. This PDF will also be available through your account. In addition, you will receive an email confirming receipt of your source file or archive.
- If you submitted a PDF it is being Checked against the latest IEEE Xplore requirements for PDF. The results will be sent via email shortly. You will also receive an email confirming receipt of your PDF.

File Details	
Filename:	mexample.doc
Size in bytes:	980480
Content Type:	application/msword

If you do not receive a PDF within 24 hours, contact Technical Support.

[Continue](#)

IEEE Home | Sitemap | Search | Privacy & Security | Terms & Conditions

If you would like to contact the IEEE PDF eXpress™ Webmaster, email IEEE PDF eXpress™ Webmaster
 © Copyright 2002 - 2008 IEEE Terms & Conditions Privacy & Security
 (Site Webmaster)
 Home URL: <http://www.pdf-express.org>
 (Modified: 05-Aug-2008)

Figure IX-5. File conversion page of IEEE PDF eXpress for proceedings paper submission

IX.9. Submit Papers to IEEE TUFFC

Authors are encouraged to submit manuscripts expanded (more complete and with additional results) from the conference proceedings papers to the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC). Unlike the conference proceedings, IEEE TUFFC is peer-reviewed and thus would allow a wider dissemination of the research results. There are several documents that the authors can get more information about TUFFC. These documents show the history, impact factors (IF) over the past 10 years, and the ranking among acoustical and electrical engineering journals, etc, of TUFFC. The documents can be found by typing the DOI in Google search ([10.1109/ULTSYM.2008.2011](http://dx.doi.org/10.1109/ULTSYM.2008.2011) [Impact Factor](#)) or from the conference website:

http://ewh.ieee.org/conf/ius_2008/zz_index/z18_ieee_tuffc_index.html

IX.10. Administrative Access in “Group Chair Menu”

The Mira paper submission website also provides administrative access for the conference organizers. The administrative tasks can be performed with the following two tabs inherited (but different) from the abstract

submission website, “Group Chair Menu” and “General/TPC Chair Menu” (the latest updates for this item, if there are any, are given in **Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS**).

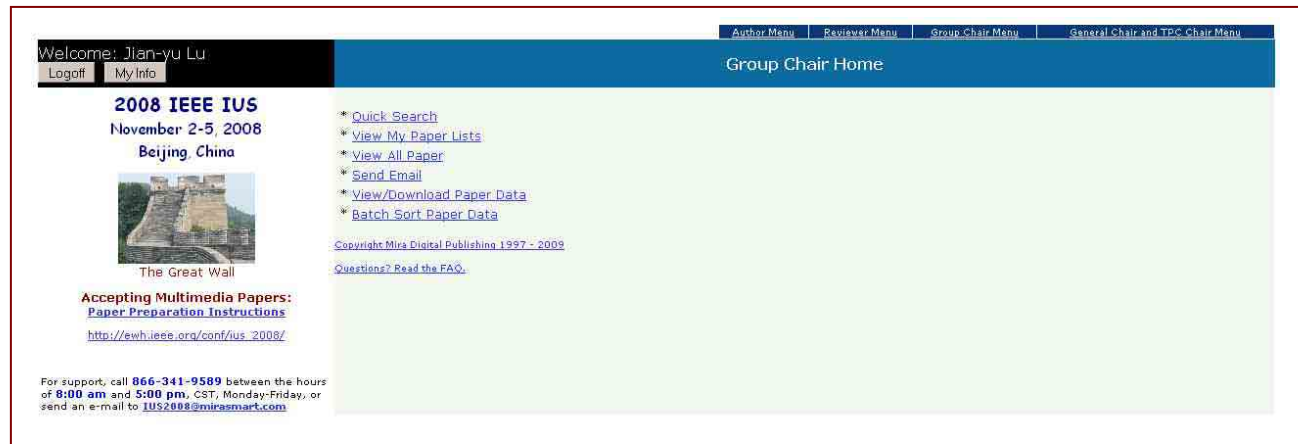


Figure IX-6. “Group Chair” Menu for proceedings paper submission (used by Proceedings Chair)

Compare to the Group Chair Menu in the abstract submission in Section VIII, it is clear that the tasks for the paper submission are simpler (there are only 6 tasks as opposed to 12 for the abstract submission):

- Quick Search – *Search for Papers by various criteria*
- View My Paper Lists – *This shows the status of paper submission in real time. It allows the conference organizers to monitor the number of papers that have been successfully submitted, incompletely submitted, waiting for full paper upload, and having conversion errors. By a single click of the button, the conference organizers can bring up all papers in each category for further investigations.*
- View All Paper – *This allows the conference organizers to view all the abstracts that have been submitted. If papers are submitted, the titles, contents, and Meta information of the abstracts are replaced with those of the papers.*
- Send Email – *This allows the conference organizers to create and send blast emails to a group of people, such as a group of authors who have not submitted papers so far, and people who have incomplete submissions to remind them to complete their submissions. This page also displays all the emails that the Mira system has ever sent out. In the 2008 IEEE IUS, the General/TPC Chairs sent out all the blast emails using the General/TPC Chairs Menu.*
- View/Download Paper Data – *This displays the status of all the papers that are allowed to be submitted (for the 2008 IEEE IUS, there were 674 abstracts accepted and thus only the authors of these abstracts were allowed to submit full papers). When the list of papers are displayed, the conference organizers can scroll down to the bottom of the list and then click on the link “Click to download as a CSV file” to download a spreadsheet that contains all the information specifically requested by the 2008 IEEE IUS.. (Note: For the 2008 IEEE IUS, there were 21 student paper competition finalists. 18 of them had both oral and poster presentations. Therefore, the spreadsheet may reflect these 18 duplicates, although the duplicated entries may have the same paper ID. Therefore, care must be taken to avoid the duplicate publications in the Proceedings.)*
- Batch Sort Paper Data – *This provides filters to sort submitted abstract list. (It was not used by the 2008 IEEE IUS during proceedings paper handling.)*

IX.11. Administrative Access in “General/TPC Chairs Menu”



Figure IX-7. General/TPC Chair Menu for proceedings paper submission

The General/TPC Chairs Menu is similar to that of the abstract submission website (the name “Abstract” is changed to “Paper” and the contents of each item may be more specific to the uploaded papers) and has 14 items. Some of the items are only relevant to abstract submission and to student travel support. The unchanged interface provides the General/TPC Chairs familiar operations in both abstract and paper submission phases. Therefore, it is up to the General/TPC Chairs to decide if anyone else is allowed to access the General/TPC Chair Menu. As in the abstract submission, permission to access the General/TPC Chair Menu must be established by Mira. The General/TPC Chairs can then establish accesses of the Group Chair Menu for others including themselves. To allow the Proceedings Chair to access submitted papers from all 5 groups, the Proceedings Chair should be added to all groups by the General/TPC Chairs on the proceedings paper submission website. The General/TPC Chairs can shut down the paper submission website after the paper submission deadline in a similar way as in the subsection “Setting Abstract Submission Site Permissions” of VIII. (It is also easy for Mira to do so.) (The latest updates for this item, if there are any, are given in **Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS.**)

- Quick Search – *Search for a paper with various criteria. – This is similar to that in the Group Chair Menu.*
- Impersonate User – *Get Username and Password of one or a group of users in case they need help for their submissions.*
- Review Project Statistics – *A graphical view of the papers in various statuses. When click on an individual status, all the papers in that status are shown. This is a convenient place to monitor the paper submission process in realtime. – It is similar to that in the Group Chair Menu.*
- Display Paper Counts by Group – *This is irrelevant to the conference proceedings.*
- Manage Student Travel Amounts – *This is irrelevant to the conference proceedings.*
- Paper List – *List all abstracts/papers submitted, even for those withdrawn by authors*
- Manage Email Templates – *This is the same as that of the abstract submission website. (See “Appendix V. Default Letters of 2008 IEEE IUS”)*
- Review Email Logs – *This is the same as that of the abstract submission website.*
- Assign Group Chair to Group – *This is the place for General/TPC Chairs to setup permission for anyone who needs to access the Group Chair Menu. The General/TPC Chairs could use this to setup access permission for the Proceedings Chair. When setting up, please be sure to assign the*

Proceedings Chair to all 5 technical groups so that he/she could access papers submitted from all groups.

- View Group Chair Reviewer Assignment Progress – *This is irrelevant to the conference proceedings.*
- ProgramSMART – *This is irrelevant to the conference proceedings. However, this contains a link “View Program Report without Author Institutions” that produced a report for the General Chair of the 2008 IEEE IUS to produce the Paper Browser in “Appendix Q. Paper Browser”.*
- Manage/Send Blast E-mail – *This is the same as that of the abstract submission website.*
- Manager Reports – *This is the same as that of the abstract submission website.*
- Site Configuration – *This is the same as that of the abstract submission website. It allows the General/TPC Chairs to shut off the paper submission site after the paper submission deadline and to specify the types of files that are allowed to be uploaded. – Please see the subsection “Setting Abstract Submission Site Permissions” of VIII, the Technical Program section above, for the procedure to shut down the paper submission site.*

IX.12. Spreadsheet of Paper Submission Database

The following are the columns that the 2008 IEEE IUS has asked Mira to provide in the spreadsheet that can be downloaded from “View/Download Paper Data” of the Group Chair Menu above. The spreadsheet contains 25 columns and listed the 674 papers that were allowed to be uploaded for the 2008 IEEE IUS. This information had been very useful for the 2008 IEEE IUS organizers (the latest updates for this item, if there are any, are given in **Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS**):

- ID – *Unique paper ID (it is the same as the abstract ID)*
- Session Label – *Session label such as “2J-5”*
- Amount Paid – *Overlength (extra) page charges paid*
- Page Count – *Number of pages of a paper*
- Pay Type – *The credit card types may be Visa, Master, and so on that are accepted by Mira*
- Invited Speaker – *Yes or No*
- Title – *Full title of a paper (may be different from that of the originally submitted abstracts)*
- Status – *Showing if a paper is “Successfully Submitted” or is still “Waiting for Full Paper Upload”*
- Multimedia – *Indicate if the paper contains multimedia (Yes/No). When authors go through the multimedia files upload steps, the indicator will be “Yes”.*
- File Name – *File name of the paper uploaded*
- Authors – *Name of all authors*
- Last Name – *Last name of the submitter*
- First Name – *First name of the submitter*
- Institution – *Institution of the submitter*
- Department – *Department of the submitter*
- Street Address – *Street address of the submitter*
- City – *City of the submitter*
- State – *State of the submitter*
- Zip – *Zip code of the submitter*
- Country – *Country of the submitter*
- Phone – *Phone number of the submitter*
- Fax – *Fax number of the submitter*

- Email – *Email of the submitter*
- Multimedia Filename – *Name of uploaded multimedia file if there is any*
- Keywords – *Keywords entered by the authors during the paper submission or if authors do not enter the keywords, the keywords that the authors entered during the abstract submission will be used. The keywords are important for Mira to produce DVD that can be searched by these keywords.*

IX.13. Conference DVD Proceedings

The 2008 IEEE IUS has taken advantages of the Mira indexSMART conference proceedings production module, which has a web-based browsing and searching interface and thus is nature and flexible to integrate contents of the conference information that may have already been nicely formatted on the web, saving reformatting time. In addition, DVD instead of CD was produced so that multimedia contents (including multimedia papers) that took a larger digital space could be included. Beside the web-based interface, the DVD also includes all of the standard PDF searching capabilities provided by Adobe Acrobat or Adobe Reader. However, in previous years, only CD and PDF searching capabilities were available.

13.1. Main Menu of DVD Proceedings

The Main Menu of the 2008 IEEE IUS Proceedings DVD is shown below:

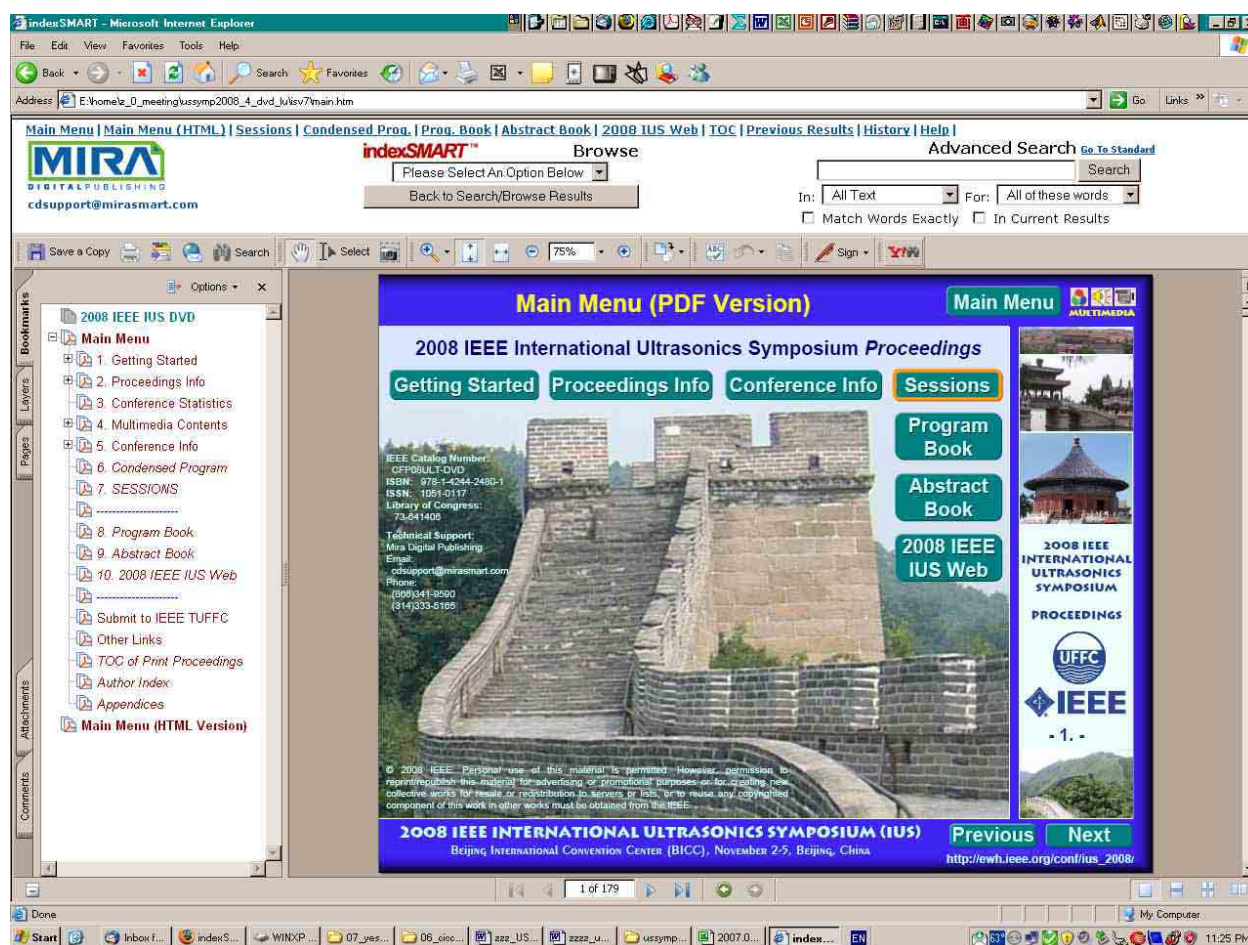


Figure IX-8. DVD Menu (Home) (PDF version)

On the top row above the Mira logo, there are 11 links that help users to navigate and get information quickly (the links are easy to add, similar to adding a link on a website):

- **Main Menu** – *This is a link to return to the PDF Main Menu shown above. The 179-page PDF document (including the Great Wall art, buttons, and left pan bookmarks) or the “Main Menu (PDF Version)” below the Mira logo was developed by the General Chair of the 2008 IEEE IUS, checked by the Proceedings Chair, and then sent to Mira for inclusion in the DVD.*
- **Main Menu (HTML)** – *This is a link to the HTML version of the Main Menu that was also created by the General Chair of the 2008 IEEE IUS and is shown below in the subsection “HTML (Web-Based) Main Menu of DVD Proceedings”. This is an addition to the DVD to give users choices to navigate either through the PDF-based Main Menu or web-based Main Menu. The two Main Menus are functionally identical.*
- **Sessions** – *This is a link to a Paper Browser for proceedings papers in addition to browsing with Mira indexSMART. The Paper Browser uses colors to distinguish different technical groups, has a fixed left pan that lists all sessions for users to quickly jump into a session, lists titles and authors of papers, links to abstracts and PDF papers, and provides Digital Object Identifiers (DOI) and page numbers of each paper (as they appear in the print proceedings) for easy referencing. The Paper Browser would give users more ways to find papers. It was developed by the General Chair of the 2008 IEEE IUS using the Mira database (programSMART) that has all information of our technical program and is shown in the subsection “Paper Browser Interface” and in “Appendix Q. Paper Browser”.*
- **Condensed Prog** – *This is a link to Condensed Program of the conference in “Appendix D. Condensed Program”*
- **Prog. Book** – *This is a link to the Program Book (see “Appendix H. Covers of the Program and Abstract Books” and the conference website)*
- **Abstract Book** – *This is a link to the Abstract Book (see “Appendix H. Covers of the Program and Abstract Books” and the conference website)*
- **2008 IUS Web** – *This is a link to the saved version of the website of the 2008 IEEE IUS. This gives a permanent archive of the 2008 IEEE IUS website that contains a lot of conference information.*
- **TOC** – *This is a link to the Table of Contents of print conference proceedings. The TOC was developed by Mira from the database of the technical program and the General Chair of the 2008 IEEE IUS changed it to the current double-column format and added colors.*
- **Previous Results** – *This is part of the standard Mira indexSMART module that allows users to return to the list of papers found through previous browsing or searching results from other pages. This is useful since users do not need to search again. This link has the same functionality as the “Back to Search/Browse Results” button under the Browse drop-down menu.*
- **History** – *This is part of the standard Mira indexSMART module showing the history of searches that users have made so that they can jump to the previous search results without searching again.*
- **Help** – *This is part of the standard Mira indexSMART module that gives users a graphical explanation on how to use the DVD.*

13.2. Browse with indexSMART

Below the 11 links mentioned above, it is the core of Mira indexSMART that includes both browsing and searching functions. The browsing function can be accessed via a drop-down menu that contains the following 6 fields selected by the 2008 IEEE IUS (as explained above, the button “Back to Search/Browse

Results” below the Browse drop-down menu is to return to the previous browsing or searching results and performs the same function as the link “Previous Results”):

- Paper Title – *This allows users to browse with paper titles in an alphabetical order.*
- Author – *This is to allow users to find all the papers of a particular author in the proceedings.*
- Session Title – *This is a list of all sessions of the technical program and users can jump to a session to view all papers in the session.*
- Presentation Type – *This allows users to browse “Oral” or “Poster” session.*
- Keywords – *This gives a list of all keywords that authors entered during their paper submissions. Users are provided keywords to choose from in an alphabetical order.*
- Program Label – *This allows users to jump to a paper from a Program Label in the technical program.*

13.3. Search with indexSMART

The search function includes both basic and advanced versions. When DVD is opened, the basic version is presented. However, users can click the link, “Go to Advanced”, to switch to advanced searching. In the advanced search, after typing in a word or a group of words, users can select one of the following 7 areas to restrict the search:

- All Text – *Find words (phrase) in the full text of the papers published in the DVD.*
- Paper Title – *Find words (phrase) in titles only.*
- Author – *Find words (phrase) in author names only.*
- Session Title – *Find words (phrase) in session titles only.*
- Presentation Type – *Find words (phrase) in the presentation types only (this may not be necessary since there are only words “Oral” or “Poster”).*
- Keywords – *Find words (phrase) only in keywords provided by the authors.*
- Program Label – *Find words (phrase) in program label only. For example, users could type in the program label, “2J-5”, and find it.*

There are three Boolean operations for the search function above to limit the number of results found:

- All of these words – *Find sentences where all of the words (phrase) appear. For example, when typing in “Limited Diffraction Beams”, you may find: Text: ... double beam **diffraction** grating transducers for ... transducers dgt s produce **beams** at an angle to the transducer ... as noted by Lu 2 they are **limited diffraction beams** a particle ...*
- Any of these words – *Treat the words (phrase) entered as individually separated words.*
- This phrase exactly – *Find words (phrase) as an exact phrase. If the DVD does not contain the exact phrase, there will be no results returned.*

There are also two check boxes for the search function:

- Match Words Exactly – *This makes the search case sensitive.*
- In Current Results – *This is for users to find words (phrase) in the list of the search results only.*

13.4. The PDF-Based Main Menu Document

Below the Mira indexSMART browsing and searching frame, there is a 179-page PDF document that contains instructions on how to use the DVD, the information of the proceedings, and the information of the conference (see also the subsection “Main Menu of DVD Proceedings” above in this section). This file gives users an interface that is similar to what they had in the CDs of previous proceedings. The PDF document has the following components:

- An open left pan – *It serves as a Table of Contents of the PDF document and allows users to quickly jump to a section or subsection of the document. It contains the following links:*
 - 1. Getting Started – *The same as the “Getting Started” button below*
 - 2. Proceedings Information – *The same as the “Proceedings Info” button below*
 - 3. Conference Statistics – *Jump directly to the statistics of the 2008 IEEE IUS in this PDF document*
 - 4. Multimedia Contents – *Jump directly to the multimedia contents of the 2008 IEEE IUS in this PDF document*
 - 5. Conference Information – *The same as the “Conference Info” button below*
 - 6. Condensed Program – *Link to the Condensed Program in “Appendix D. Condensed Program”*
 - 7. Sessions – *The same as the “Sessions” button below*
 - -----
 - 8. Program Book – *The same as the “Program Book” button below*
 - 9. Abstract Book – *The same as the “Abstract Book” button below*
 - 10. 2008 IEEE IUS Web – *The same as the “2008 IEEE IUS Web” button below*
 - -----
 - Submit to IEEE UFFC – *Jump directly to an introduction to the IEEE TUFFC in this PDF document*
 - Other Links – *Jump directly to the society information in this PDF document*
 - TOC of Print Proceedings – *Link to the Table of Contents of the print proceedings*
 - Author Index – *Link to the Author Index of the proceedings. The page numbers of the Author Index contain links to individual PDF papers, which may not be obvious to users. The Author Index was produced by Mira from its database and the General Chair only added header, footer, and color.*
 - Appendices – *This is a link to a single PDF file that contains all appendices of print proceeding.*
 - -----
 - Main Menu (HTML) Version – *This is linked to the HTML (or web) based Main Menu that has the same functionality as the PDF-based Main Menu and may be more natural and user-friendly in the web-based environment.*
- “Previous” and “Next” buttons – *These buttons allow users to advance or back page by page. When the “Next” button is clicked, the page number indicator will be automatically advanced by 1.*
- “Main Menu” button – *To allow users to return to the PDF Main Menu from other pages*
- “Getting Started” button – *Jump to instructions on how to use the DVD and more*
- “Proceedings Info” button – *Contains information of the proceedings*
- “Conference Info” button – *Contains conference information.*
- “Sessions” button – *This is a link to the Paper Browser in “Appendix Q. Paper Browser” and is also shown below in the subsection “Paper Browser Interface”.*
- “Program Book” button – *This starts the Program Book (see “Appendix H. Covers of the Program and Abstract Books” and the conference website)*

- “Abstract Book” button – *This starts the Abstract Book (see “Appendix H. Covers of the Program and Abstract Books” and the conference website)*
- “2008 IEEE IUS Web” button – *This starts the saved version of the website of the 2008 IEEE IUS.*
- Added IEEE copyright information on the front as requested by the IEEE “Letter of Acquisition” – *See the ISBN, ISSN, and so on.*

13.5. Format of Each Paper Found

When browsing or searching with the Mira indexSMART, each paper in the results found is formatted according to the specifications of the 2008 IEEE IUS. For example, typing in the program label “2J-5” in search field, we will get:

2J-5. Effects of Data Density of Echo Fourier Domain on Quality of High Frame Rate Imaging
[\[Abstract\]](#) [\[PDF\]](#) [\[Multimedia_Zipped\]](#)

Text: ... imaging system from an ats539 tissue mimicking phantom ... frame rate imaging lu j y 2j beam forming algorithms ...

Author: [Lu, J.-Y.](#)

Session Title: [2J. Beam Forming Algorithms and Strategies](#)

Presentation Type: [Oral](#)

Keywords: [High Frame Rate Imaging](#); [Fourier Transform](#); [Data Densifying](#); [interpolation](#)

File Name: IUS2008-000003.pdf; Paper ID: 3

The underlined texts are links as follows:

- [\[Abstract\]](#) – *A link to abstract.*
- [\[PDF\]](#) – *A link to the full paper in PDF format.*
- [\[Multimedia_Zipped\]](#) – *A link to self-contained zip-compressed package for downloading multimedia files.*
- [Lu, J.-Y.](#) – *A link to show all papers that “Lu, J.-Y.” authored or co-authored in the DVD.*
- [2J. Beam Forming Algorithms and Strategies](#) – *A link to the session “2J” to show all the papers in this session.*
- [Oral](#) – *This is a link to all papers in oral sessions.*
- [High Frame Rate Imaging](#) – *One of the keywords (or phrases) that the author entered during the paper submission. It links to all papers that have the same keyword (or phrase).*
- [Fourier Transform](#) – *One of the keywords (or phrases) that the author entered during the paper submission. It links to all papers that have the same keyword (or phrase).*
- [Data Densifying](#) – *One of the keywords (or phrases) that the author entered during the paper submission. It links to all papers that have the same keyword (or phrase).*
- [Interpolation](#) – *One of the keywords (or phrases) that the author entered during the paper submission. It links to all papers that have the same keyword (or phrase).*

13.6. HTML (Web-Based) Main Menu of DVD Proceedings

In addition to the PDF-based Main Menu above, the following is an HTML (web) based Main Menu (see also the subsection “Main Menu of DVD Proceedings” above in this section). The HTML Main Menu can be navigated as web pages that may be more natural and user friendly in the web environment. This menu

gives users more options to access the contents of the DVD (we used the PDF-based Main Menu above as default to give users a feel of what they might have accustomed to in the past):



Figure IX-9. DVD Menu (Home) (HTML or web version)

13.7. DVD Case and Disk Arts Design

To complete the production of the DVD, an insert and a tray card for jewel cases and a label (silk screen) for the back of DVD disk are needed. These items were made by the General Chair of the 2008 IEEE IUS and then sent to Mira to produce DVDs (see “[Appendix I. DVD Arts for Case and Disk](#)”).

13.8. Paper Browser Interface

The Paper Browser provides users a browsing tool in addition to the Mira indexSMART (see also the subsection “Main Menu of DVD Proceedings” above in this section). It is on the conference website, in the conference proceedings DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD), and in “[Appendix Q. Paper Browser](#)” (on the website and DVD, there is a fixed session index on the left pan to allow users jump into a session quickly). The top part of the Paper Browser is shown below:



Figure IX-10. DVD Paper Browser interface

13.9. Delivery of IEEE Xplore-Compatible Files

After PDF papers were finalized, Mira produced a set of IEEE Xplore-compatible PDF files for delivering to IEEE. Mira also produced a packing list according to IEEE requirements. The multimedia papers and

their associated multimedia package were also prepared according to IEEE instructions and delivered to IEEE.

13.10. Delivery of Conference DVD to FASS

In addition to IEEE Xplore, the UFFC Society also maintains a digital archive of publications. The archive in the UFFC website may be easier to browse and find information than from IEEE Xplore since all sub-topics are stripped off in Xplore. After the DVD was completed, it was shipped to FASS for posting on the UFFC Society website for IEEE UFFC members to access.

13.11. Shipping DVDs to Attendees

When the DVDs were duplicated, they were shipped directly from Mira printing facility in Ohio, USA, to attendees. The database spreadsheet produced by YesEvents was used to provide addresses of registered attendees and the number of DVDs each attendee should get. Since the YesEvents database was clear, there were not too many undeliverable DVDs that the General Chair resent them after verifying the addresses with the recipients (the return address was that of the General Chair). (Sometimes students graduate and thus their addresses may change after the conference.)


X.Registration Services with YesEvents

X.1. Online Registration

The 2008 IEEE IUS has contracted with YesEvents, a Baltimore, USA, based company, to handle online conference registration. The on-site registration was handled by the China International Conference Center for Science and Technology (CICCST). Because there was a need to coordinate the registration process by the two vendors, we decided to use the same registration database for both CICCST and YesEvents. To ensure a successful implementation, we had specified detailed tasks for YesEvents (see “**Appendix T. Agreement - YesEvents Registration Services**”).

X.2. Online Registration Form

YesEvents has developed an online registration form that captures all the personal information we need from registrants. The badge name on the form is to be printed on badges in a big size so that it could be read from a far distance. The vegetarian designation allows the conference organizers to provide vegetarian meals (about 2% of attendees made this selection). The IEEE and UFFC member designations are for statistics and are used to verify if a registrant is an IEEE or UFFC member. The registration form distinguishes among different types of registrants in subsequent pages and is intelligent to display different fees such as early and regular registrations. The online registration form is shown below:




[Home](#) [Click on Images above to Enlarge](#)


2008 IEEE International Ultrasonics Symposium (IUS)

Beijing International Convention Center (BICC)

Beijing, China, November 2-5, 2008 [Click for more Beijing images](#)



Sponsored by the IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society



In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences

Register online by **12 September, 2008** to receive a reduced rate.

This information will be used to send the Proceedings CD. Please ensure the accuracy of the mailing address.

Online registration requires payment by MasterCard, VISA or American Express, except during the on-site registration hours, 1-5 November, 2008.

Note: Fields marked with an asterisk (*) are required and must be completed before continuing with registration.

Online Registration Information

Last (Family) Name:	<input type="text" value="Lu"/>	*
First (Given) Name:	<input type="text" value="Jian-yu"/>	*
Badge Name (badge name should be a short name you want to be seen from distance on your badge such as "Tom" for "Thomas". If no badge name is entered, your first name will be used.)	<input type="text" value="Jian-yu"/>	
Vegetarian:	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Email Address: <i>(Confirmation sent via email)</i>	<input type="text" value="jilu@eng.utoledo.edu"/>	*
Confirm Email Address:	<input type="text" value="jilu@eng.utoledo.edu"/>	*
Company or Institution:	<input type="text" value="The University of Toledo"/>	*
Address:	<input type="text" value="2801 West Bancroft Street"/>	*
Department/Building/Floor:	<input type="text" value="Bioengineering"/>	
City:	<input type="text" value="Toledo"/>	*
State/Province: <i>(Registrants outside USA and Canada should select "International Registrant")</i>	<input type="text" value="Ohio"/>	*
Zip/Postal Code:	<input type="text" value="43606"/>	*
Country:	<input type="text" value="USA"/>	*
Telephone:	<input type="text" value="419-530-8079"/>	*
Fax:	<input type="text" value="419-530-8076"/>	
Please enter an invitation code if one was provided to you:	<input type="text"/>	

Membership

* Are you an IEEE Member?	<input checked="" type="radio"/> Yes <input type="radio"/> No
* Are you a UFSF Member?	<input checked="" type="radio"/> Yes <input type="radio"/> No

For help, please contact: 2008 IEEE International Ultrasonics Symposium Registrar
 C/O YesEvents
 P.O. Box 32862
 Baltimore, Maryland 21282, USA
 Email: 2008IEEEIUS@yesevents.com
 Tel: 1-800-937-8728
 Local: 1-410-559-2236
 Fax: 1-410-559-2217

Figure X-1. Online conference registration home page

An updated on-line registration form for 2017 IEEE IUS is included in #6 of “Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS”. Nine steps for conference registration process are recorded.

X.3. Print Registration Form

In addition to the online registration form, attendees have an option to register the conference with a print registration form. A PDF print registration form that can be completed electronically with automatic calculations has been developed by the 2008 IEEE IUS and sent to YesEvents to produce the online registration form. The print registration form is accessible on the conference web and is in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). It is also in “[Appendix B. Print Conference Registration Form](#)”.

X.4. Registration Kiosk

Unlike previous conferences, for 2008 IEEE IUS, attendees were allowed to register online anytime until the end of the conference using their own computers or using the conference kiosk consisting of 8 Microsoft Windows XP computers with a dedicated high-speed Ethernet line (2 Mbits/s). This reduced the number of on-site registrants and thus the waiting lines on the registration counters. To ensure an uninterrupted registration process, the registration internet (Ethernet) line was not shared with the wireless line (1 Mbits/s) used by conference attendees. In the contract with YesEvents (a USA company), we specified that technical supports should be provided during the registration hours of China to resolve any problems of the registration database or website (there is about 12-hour time difference between China and USA) (see “[Appendix T. Agreement - YesEvents Registration Services](#)”). In addition, a traditional on-site paper registration system was setup as a backup in case the internet was interrupted for any reasons (for the 2008 IEEE IUS, this backup system was not used since the internet connection was good all the time during the on-site registration). There were also two staff members guarding the kiosk computers so that people would not use the kiosk as an internet café. These staff members also helped attendees for any problems or answered questions they might have when using the kiosk computers. Inside the registration counters, there were about 10 staff members (some were students of English major from nearby universities) to handle advance registration pickup, on-site registrations, cashier, badge printing, tours, and answering questions of attendees.

To make the online registration work both before and during the conference, the YesEvents system was specifically setup to allow attendees pay on-site by selecting “Pay Cash On-Site” on the payment confirmation page during the on-site registration period. This allowed the registration to complete but attendees had to go to the registration counters to pay in order to receive their registration packages. The continuous online registration was convenient for attendees and had minimized money transactions with the on-site registration company and thus was good for the conference. It also blurred the traditional distinction between advance and on-site registrations.

One particular problem we encountered during the on-site registration was that credit card companies may deny some cards for suspicious activities, especially, in foreign countries. Therefore, a couple of attendees had to call their credit card companies to authorize their payments in the kiosk.

X.5. Registration Instructions

Detailed instructions of the conference registration of the 2008 IEEE IUS are on the conference website that is also included in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD).

X.6. Conference Registration Time Curve

The conference registration time curve is shown below. It has two fast rising periods. One is before September 12, 2008, the deadline for early registration with reduced rates. The other is during the on-site registration (November 1-5, 2008). It is clear from the curve that the number of on-site registrants was relatively small for the 2008 IEEE IUS and thus most registration money was collected by YesEvents, a USA company, reducing the risk that some countries may have restrictions on shipping a large sum of money out of the countries. (Please notice that a baseline of exhibitors and staff has been added in the curve.)

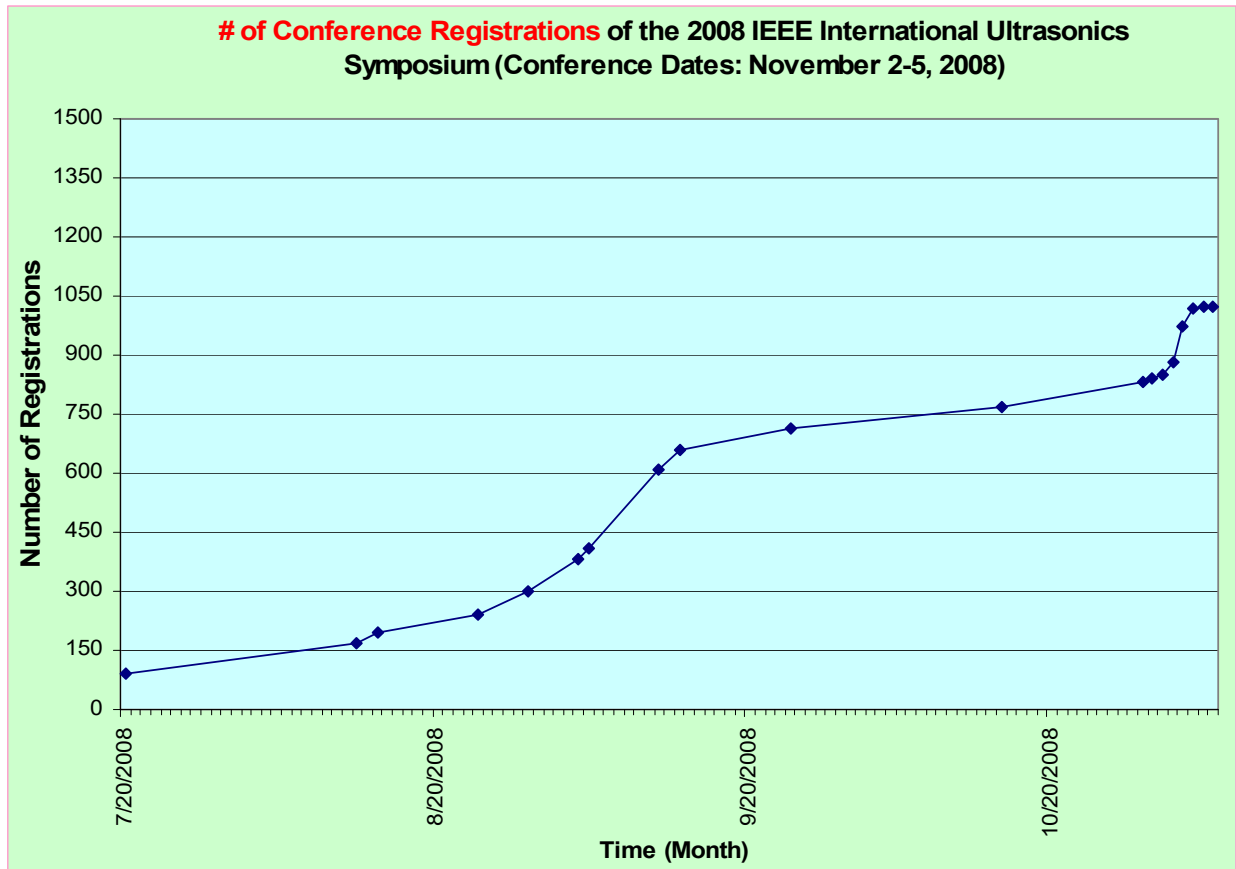


Figure X-2. Online conference registration activity

X.7. Administration Center

To accommodate the on-site registration, an Administration Center (Admin Center) was specifically developed for the 2008 IEEE IUS. The development took hundreds of hours of programming time of YesEvents programmers and numerous hours of the 2008 IEEE IUS to interact with YesEvents. Both money and time invested by the 2008 IEEE IUS could be capitalized if future conference organizers would make use of the Admin Center. The following are some screen shots of the Admin Center.

X.8. Admin Center Login

Login screen of the Admin Center:

Figure X-3. Administration Center login page

X.9. Admin Center Home

Once login, users are presented with Admin Home, where they could download spreadsheets that contain all the information of the conference registration from the links “Export to Excel”, “Export 400-800 to Excel”, “Export 801-1200 to Excel”, and “Export 1201-Current to Excel”, separately, and then put them together afterwards (see the subsection “Spreadsheet of Registration Database” in later part of this section). The “CICCST on/off” is to control whether to allow the on-site registration company, CICCST, to log in to the Admin Center after the conference.

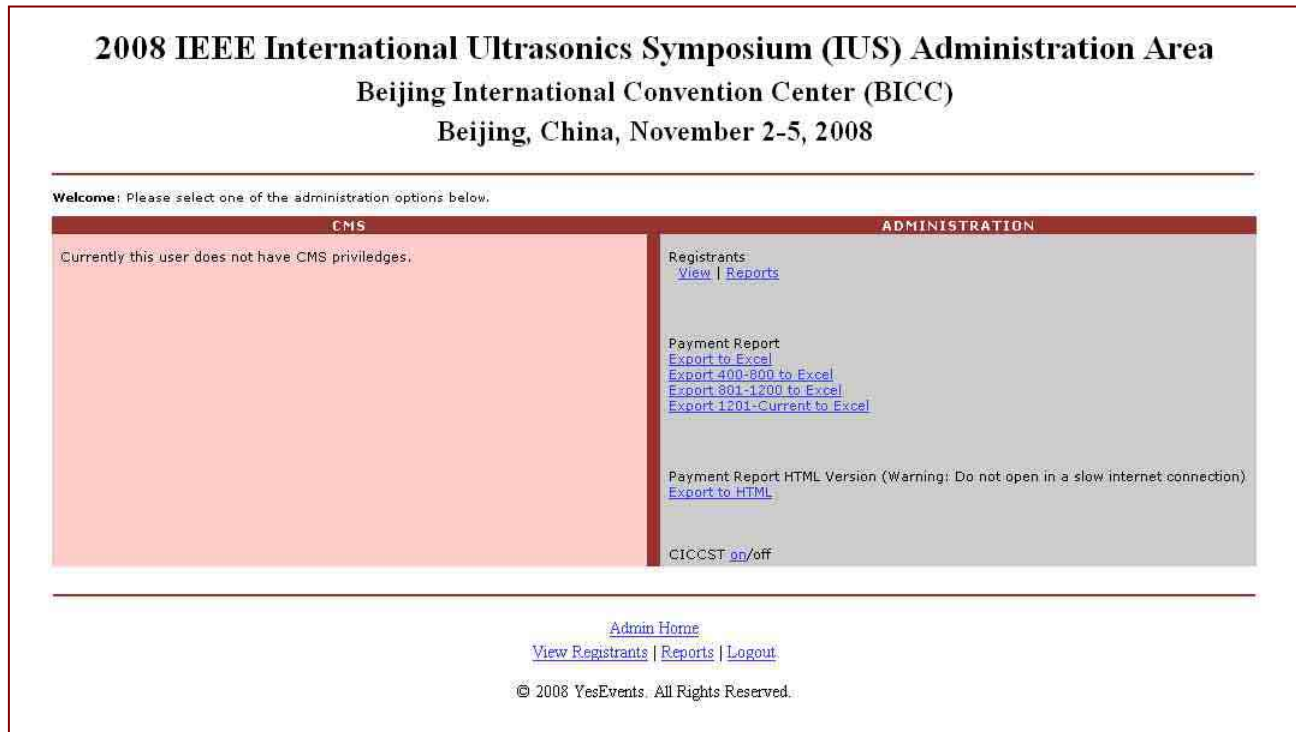


Figure X-4. Administration Center home

X.10. View Registrants at Admin Center

The View Registrants screen below allows users to find registrants quickly with various search criteria. The list shows both the basic information of the registrants and a summary of the payments and dues (in this example the fees are erased). The list or search results can also be sorted with different criteria such as in different order. This is useful since new registrants would normally appear at the end with a larger registration Personal Identification Number (PIN) (the PIN is sequential and always increases with new registration). The list also indicates if a registration package has been prepared for or picked up. The 4 links near the bottom of the page are convenient to use: “Admin Home”, “View Registration”, “Reports” (to be shown later), and “Logout”.



2008 IEEE International Ultrasonics Symposium (IUS) Administration Area			
Beijing International Convention Center (BICC)			
Beijing, China, November 2-5, 2008			
STATUS Balance Due: \$0.00 Registered: Yes Canceled: No		NAVIGATION Admin Home View Registrants Reports To Edit this record click the following link... EDIT	
PERSONAL DETAILS			
PIN #: 623 First Name: Jian-yu Last Name: Lu Badge Name: Jian-yu Organization: The University of Toledo Member Number: 00 00 00 00 Date Registered: 8/31/2008 1:22:06 PM Address: 2801 West Bancroft Street Address (cont.): Bioengineering City: Toledo State: OH Zip: 43606 Country: UNITED STATES OF AMERICA Phone: 4195308079 Fax: 4195308076 E-Mail: jilu@eng.utoledo.edu			
REGISTRATION INFORMATION			
Registration Type: Amount: Vegetarian?: No Guest Type: Badge Made: Yes Registrant has received materials: No			
ADD-ON DETAILS			
Add-On Quantity: 1 Add-On Type: Guest Add-On Price: 75			
ADD SHORT COURSES		ADD PROCEEDINGS	
		ADD GUESTS	
GUEST DETAILS			
Guest Details: 624: Lin Li (vegetarian)			
TOTAL COSTS			
Total Costs: \$ Total Paid: \$			
PAYMENT HISTORY			
DATE	AMOUNT	PAYMENT TYPE	CARD NUMBER
8/31/2008 1:36:36 PM	\$	MasterCard	**** * * * *

Figure X-6. Administration Center registrant details

X.12. Edit Registrant Information at Admin Center

The Edit screen below allows registration staff to make corrections for personal information. When registration materials have been prepared for each advance registrant, the registration staff could check the circle “Badge Made”. If a registrant has received the registration package, the staff could check “Registrant has received materials”. This information is for the registration staff to organize themselves. This screen is invoked by clicking on the “Edit” button in either View Registrants or in the registrant detail screen above.

2008 IEEE International Ultrasonics Symposium (IUS) Administration Area

Beijing International Convention Center (BICC)

Beijing, China, November 2-5, 2008

PERSONAL DETAILS

PIN #:

623

* Given Name (first name):

Jian-yu

* Surname (last name):

Lu

Badge Name:

Jian-yu

Vegetarian:

☐ True ☒ False

* Organization:

The University of Toledo

Member Number:

00000000

Date Registered:

8/31/2008 1:22:06 PM

* Address:

2801 West Bancroft Street

Address (cont.):

Bioengineering

* City:

Toledo

* State:

Ohio

Zip:

43606

* Country:

UNITED STATES OF AMERICA

* Phone:

4195308079

Fax:

4195308076

* E-Mail:

jilu@eng.utoledo.edu

Badge Made:

☒ True ☐ False

Registrant has received materials:

☐ True ☒ False

VIEW RECORD

UPDATE RECORD

[Admin Home](#)

[View Registrants](#) | [Reports](#) | [Logout](#)

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Figure X-7. Administration Center edit page

X.13. Reports at Admin Center

The “Reports” Menu in the Admin Center provides a quick overview of the registration in real time. A random snapshot in the course of registration of the 2008 IEEE IUS is shown below:

2008 IEEE International Ultrasonics Symposium (IUS) Administration Area	
Beijing International Convention Center (BICC)	
Beijing, China, November 2-5, 2008	
<hr/>	
Total Attendees:	920
<hr/>	
Advance - IEEE Member (Before 9/12/08)	232
Advance - Non-IEEE Member (Before 9/12/08)	111
Advance - Student (Before 9/12/08) Valid ID Only	124
Advance - Retiree (Before 9/12/08)	3
Advance - Life Member (Before 9/12/08)	3
Regular - IEEE Member (after 9/13/08)	47
Regular - Non-IEEE Member (after 9/13/08)	61
Regular - Student (after 9/13/08) Valid ID Only	141
Regular - Retiree (after 9/13/08)	12
Regular - Life Member (after 9/13/08)	6
-IEEE Member from China	13
-COMP	33
-Speaker	2
-Guest	92
-Non-IEEE Member from China	40
<hr/>	
Admin Home View Registrants Reports Logout © 2008 YesEvents. All Rights Reserved.	

Figure X-8. A snapshot of report page on the Administration Center

X.14. Spreadsheet of Registration Database

The 2008 IEEE IUS has requested YesEvents to produce a spreadsheet with the following columns as a part of the Admin Center. This spreadsheet provides all the information of the registration and has helped the conference organizers to accurately and efficiently reconcile the money collected by both YesEvents (online registration company) and CICCST (on-site registration company). The spreadsheet is produced at the moment it is downloaded and thus it always contains the latest information. Because the size of the datasheet is big, the database that produces the spreadsheet on the fly may time out. The 2008 IEEE IUS has asked YesEvents to produce several spreadsheets for downloading (the sheets cover PIN ranges from 1-399, 400-800, 801-1200, 1201-Current, and so on) and these spreadsheets can then be combined to form a single spreadsheet using Microsoft Excel (YesEvents should be able to help on getting the spreadsheets if there is any problem in downloading them). The following are the 57 columns specified by the 2008 IEEE IUS in the spreadsheet:

- **General Information:**
- PIN – *A unique registration number for each registrant*
- Reg Date – *Date of registration*
- Time – *Time of registration*
-
- **Payment Records:**
- Amount Paid – *The amount a registrant paid each time. If a registrant paid three times, there will be three “Amount Paid” rows in the spreadsheet with the same PIN number. For example, a registrant first paid \$750 and then decides to cancel the registration. There will be two payments. The first is \$750 and the second is “-\$725”. The negative sign means a refund to the registrant. Thus, the registrant will have a net payment of \$25 that is the cancellation fee for the 2008 IEEE IUS.*
- Total Paid – *The total amount that a registrant actually paid. In the example above, the Total Paid for this registrant is \$25. This amount is shown in both rows above and thus care needs to be taken*

so that no duplications are included in the calculation of the total registration fees collected using the Microsoft Excel auto sum feature. (A suggested improvement for this is shown in “XVIII. Suggested Improvements for Mira and YesEvents Systems”).

- **Total Owed** – *This column shows the total amount that a registrant currently owed. It is a result from the option of “Pay Cash On-Site” where a registrant registers through the online system and then goes to the registration counters to pay cash during the on-site registration period. The on-site registration staff will collect the amount that the registrant owed before giving the badge and other registration materials to the registrant. This column could also result from a registrant who has previously paid but would like to order additional DVD, add additional guests, and/or add short courses. After receiving the money, the on-site registration staff will enter the amount received into the Admin Center to reduce the “Amount Owed” to \$0.*
-
- **Payment Activities:**
- **Cash On Site** – *Yes/No to indicate if a registrant pay “Cash On-Site” or not.*
- **Add-On Changed (Guest, DVD, SC)** – *Shows changes of add-on items (guests, additional DVD, or short courses).*
- **Canceled** – *Yes/No to indicate if a registration is cancelled*
-
- **Other Activities:**
- **Badge Made (Include Tickets)** – *Yes/No to indicate if the registration materials have been prepared*
- **Badge Issued (Include Tickets)** – *Yes/No to indicate if the registration materials have been picked up by the registrant*
- **Vegetarian** – *Yes/No to indicate if a registrant is a vegetarian.*
- **Group Size** – *Show the size of a group that consists of a registrant and his/her guests (if the group size is 1, there is no guest belong to the registrant)*
- **Guest** – *Yes/No to indicate if there are any guests*
- **Guest Fee** – *Yes/No to indicate the amount of guest fees paid*
-
- **Personal Information of Registrants (for sending DVDs):**
- **Full Name** – *Full name of the registrant (for badge printing and mailing).*
- **Last Name** – *Last name of the registrant (for sorting)*
- **First Name** – *Full name of the registrant (for sorting)*
- **Badge Name** – *The name that the registrant would like to be seen from a distance (it was shown in a big size and a bold font on the badge)*
- **Organization** – *Organization of the registrant*
- **Department** – *Department of the registrant*
- **Street Address** – *Street address of the registrant*
- **City** – *City of the registrant*
- **State** – *State of the registrant*
- **Zip** – *Zip code of the registrant*
- **Country** – *Country of the registrant*
- **Phone** – *Phone number of the registrant*
- **Fax** – *Fax number of the registrant*
- **Email** – *Email of the registrant*
- **Member #** – *IEEE membership # of the registrant is displaced if the registrant use IEEE member rate (conference organizers could check it in the IEEE membership database)*
-

- **Indicators That the Registrant Entered on the First Page of the Online Registration Form:**
- UFFC Member – *Yes/No to indicate if the registrant is an UFFC member*
- IEEE Indicator – *Yes/No to indicate if the registrant is an IEEE member (this is needed in order to get an accurate count of IEEE members since a complimentary, student, and other types of registrants who may be IEEE members but would not register as an IEEE Member, which needs to pay at Member rate)*
-
- **Registration Types:**
- IEEE Member – *Yes/No to indicate if the registrant has used “IEEE Member” rate*
- Non Member – *Yes/No to indicate if the registrant has used a “Non Member” rate*
- Student – *Yes/No to indicate if the registrant has used “Student” rate*
- Retiree – *Yes/No to indicate if the registrant has used “Retiree” rate*
- Life Member – *Yes/No to indicate if the registrant has used “Life Member” rate*
- One-Day Monday – *Yes/No to indicate if the registrant has registered for “One-Day” Monday*
- One-Day Tuesday – *Yes/No to indicate if the registrant has registered for “One-Day” Tuesday*
- One-Day Wednesday – *Yes/No to indicate if the registrant has registered for “One-Day” Wednesday*
- Complementary – *Yes/No to indicate if the registrant is a “Complementary” registrant*
-
- **Registration Fee:**
- Reg Fee – *The amount of registration fee paid by the registrant (not including any add-ons)*
-
- **Additional DVDs:**
- # of DVD – *Number of additional DVDs ordered*
- DVD Fee – *Cost of the number of additional DVDs*
-
- **Short Course Fees (12 courses):**
- SC-1A Fee – *Amount of short course fee paid or to pay for this course*
- SC-2A Fee – *Amount of short course fee paid or to pay for this course*
- SC-3A Fee – *Amount of short course fee paid or to pay for this course*
- SC-4A Fee – *Amount of short course fee paid or to pay for this course*
- SC-1B Fee – *Amount of short course fee paid or to pay for this course*
- SC-2B Fee – *Amount of short course fee paid or to pay for this course*
- SC-3B Fee – *Amount of short course fee paid or to pay for this course*
- SC-4B Fee – *Amount of short course fee paid or to pay for this course*
- SC-1C Fee – *Amount of short course fee paid or to pay for this course*
- SC-2C Fee – *Amount of short course fee paid or to pay for this course*
- SC-3C Fee – *Amount of short course fee paid or to pay for this course*
- SC-4C Fee – *Amount of short course fee paid or to pay for this course*
-
- **Registration Payment Types:**
- Payment Method – *Indicate what method is used for the payment (cash, credit card, check, wire transfer, and so on) – please notice that different payment method may have a different service fee.*

X.15. Report Center

In addition to the Admin Center that was specifically designed by both the 2008 IEEE IUS and YesEvents, there is a Report Center that is a standard reporting system for all customers of YesEvents. The Report Center is also realtime and is consistent with the data in the Admin Center and the spreadsheet above (the 2008 IEEE IUS has verified the consistency and thus is confident that the Admin Center has been done properly). A snapshot of one of the reports in the Report Center is shown below as an example (with financial data removed):

2008 IEEE International Ultrasonics Symposium Income Reconciliation Report					
Date: XXXXX; Time: XXXXX					
Full Registrations				Number	Amount Due
Advance - IEEE Member (Before 9/12/08)				205	\$4000
Advance - Non-IEEE Member (Before 9/12/08)				114	\$1000
Advance - Student (Before 9/12/08) Valid ID Only				124	\$200
Advance - Retiree (Before 9/12/08)				3	\$0
Advance - Life Member (Before 9/12/08)				4	\$0
Regular - IEEE Member (9/13/08 - 10/30/08)				11	\$0
Regular - Non-IEEE Member (9/13/08 - 10/30/08)				17	\$0
Regular - Student (9/13/08 - 10/30/08) Valid ID Only				24	\$0
Regular - Retiree (9/13/08 - 10/30/08)				1	\$0
Regular - Life Member (9/13/08 - 10/30/08)				1	\$0
IEEE Member from China				0	\$0
-COPR				32	\$0
-Speaker				2	\$0
-Guest				64	\$0
Non-IEEE Member from China				8	\$0
Total Full Registration				648	\$4000
Partial Registrations (Add Ons)					
Additional DVD Proceedings				13	\$0
Advance - One-Day Registration - Tuesday, November 4, 2008 (By 9/12/08) (Without DVD Proceedings)				1	\$0
Guest				64	\$0
Short Course 1A: Advance IEEE Member/Non-Member: Medical Ultrasound Transducers: Sunday, November 2, 2008: 8:00AM-12:00PM				11	\$0
Short Course 1A: Advance Student/Retiree: Medical Ultrasound Transducers: Sunday, November 2, 2008: 8:00AM-12:00PM				8	\$0
Short Course 1A: Regular IEEE Member/Non-Member: Medical Ultrasound Transducers: Sunday, November 2, 2008: 8:00AM-12:00PM				2	\$0
Short Course 1A: Regular Student/Retiree: Medical Ultrasound Transducers: Sunday, November 2, 2008: 8:00AM-12:00PM				3	\$0
Short Course 1B: Advance IEEE Member/Non-Member: Ultrasound Elastography: Sunday, November 2, 2008: 1:00PM-5:00PM				12	\$0
Short Course 1B: Advance Student/Retiree: Ultrasound Elastography: Sunday, November 2, 2008: 1:00PM-5:00PM				8	\$0
Short Course 1B: Regular IEEE Member/Non-Member: Ultrasound Elastography: Sunday, November 2, 2008: 1:00PM-5:00PM				1	\$0
Short Course 1B: Regular Student/Retiree: Ultrasound Elastography: Sunday, November 2, 2008: 1:00PM-5:00PM				1	\$0
Short Course 1C: Advance IEEE Member/Non-Member: Ultrasound Contrast Agents: Sunday, November 2, 2008: 8:00AM-12:00PM				3	\$0
Short Course 1C: Advance Student/Retiree: Ultrasound Contrast Agents: Sunday, November 2, 2008: 8:00AM-12:00PM				2	\$0
Short Course 1C: Regular IEEE Member/Non-Member: Ultrasound Contrast Agents: Sunday, November 2, 2008: 8:00AM-12:00PM				1	\$0
Short Course 1C: Regular Student/Retiree: Ultrasound Contrast Agents: Sunday, November 2, 2008: 8:00AM-12:00PM				13	\$0
Short Course 2A: Advance IEEE Member/Non-Member: Ultrasound Imaging System: Sunday, November 2, 2008: 8:00AM-12:00PM				9	\$0
Short Course 2A: Advance Student/Retiree: Ultrasound Imaging System: Sunday, November 2, 2008: 8:00AM-12:00PM				8	\$0
Short Course 2A: Regular IEEE Member/Non-Member: Acoustic Microscopy: Sunday, November 2, 2008: 1:00PM-5:00PM				5	\$0
Short Course 2A: Regular Student/Retiree: Acoustic Microscopy: Sunday, November 2, 2008: 1:00PM-5:00PM				6	\$0
Short Course 2B: Advance IEEE Member/Non-Member: Acoustic Microscopy: Sunday, November 2, 2008: 1:00PM-5:00PM				4	\$0
Short Course 2B: Advance Student/Retiree: Acoustic Microscopy: Sunday, November 2, 2008: 1:00PM-5:00PM				13	\$0
Short Course 2C: Advance IEEE Member/Non-Member: ChLTS: Theory, Technology, and Applications: Sunday, November 2, 2008: 8:00AM-12:00PM				7	\$0
Short Course 2C: Advance Student/Retiree: ChLTS: Theory, Technology, and Applications: Sunday, November 2, 2008: 8:00AM-12:00PM				1	\$0
Short Course 3A: Advance IEEE Member/Non-Member: Photoacoustic Imaging and Sensing: Sunday, November 2, 2008: 8:00AM-12:00PM				8	\$0
Short Course 3A: Advance Student/Retiree: Photoacoustic Imaging and Sensing: Sunday, November 2, 2008: 8:00AM-12:00PM				4	\$0
Short Course 3A: Regular IEEE Member/Non-Member: Photoacoustic Imaging and Sensing: Sunday, November 2, 2008: 8:00AM-12:00PM				1	\$0
Short Course 3A: Regular Student/Retiree: Photoacoustic Imaging and Sensing: Sunday, November 2, 2008: 8:00AM-12:00PM				1	\$0
Short Course 3B: Advance IEEE Member/Non-Member: Therapeutic Ultrasound: Sunday, November 2, 2008: 1:00PM-5:00PM				6	\$0
Short Course 3B: Advance Student/Retiree: Therapeutic Ultrasound: Sunday, November 2, 2008: 1:00PM-5:00PM				1	\$0
Short Course 3C: Advance IEEE Member/Non-Member: Time Reversal Acoustics: Sunday, November 2, 2008: 1:00PM-5:00PM				8	\$0
Short Course 3C: Advance Student/Retiree: Time Reversal Acoustics: Sunday, November 2, 2008: 1:00PM-5:00PM				6	\$0
Short Course 3C: Regular IEEE Member/Non-Member: Time Reversal Acoustics: Sunday, November 2, 2008: 1:00PM-5:00PM				1	\$0
Short Course 3C: Regular Student/Retiree: Time Reversal Acoustics: Sunday, November 2, 2008: 1:00PM-5:00PM				12	\$0
Short Course 4A: Advance IEEE Member/Non-Member: Tissue Motion and Blood Velocity: Sunday, November 2, 2008: 8:00AM-12:00PM				5	\$0
Short Course 4A: Advance Student/Retiree: Tissue Motion and Blood Velocity: Sunday, November 2, 2008: 8:00AM-12:00PM				3	\$0
Short Course 4A: Regular IEEE Member/Non-Member: Tissue Motion and Blood Velocity: Sunday, November 2, 2008: 8:00AM-12:00PM				14	\$0
Short Course 4B: Advance IEEE Member/Non-Member: SAW Modeling Techniques: Sunday, November 2, 2008: 1:00PM-5:00PM				2	\$0
Short Course 4B: Advance Student/Retiree: SAW Modeling Techniques: Sunday, November 2, 2008: 1:00PM-5:00PM				4	\$0
Short Course 4B: Regular IEEE Member/Non-Member: Acoustical Near-Field Imaging: Sunday, November 2, 2008: 6:00PM-10:00PM				2	\$0
Short Course 4B: Regular Student/Retiree: Acoustical Near-Field Imaging: Sunday, November 2, 2008: 6:00PM-10:00PM				3	\$0
Short Course 4C: Regular IEEE Member/Non-Member: Acoustical Near-Field Imaging: Sunday, November 2, 2008: 6:00PM-10:00PM				1	\$0
Short Course 4C: Regular Student/Retiree: Acoustical Near-Field Imaging: Sunday, November 2, 2008: 6:00PM-10:00PM				1	\$0
Income Sub Totals:					
					\$0
LESS Discounts:					(\$0000)
PLUS Additional Charges:					\$0
Total Event Income:					\$0
PLUS Accommodation Prepayments:					\$0
Total Amount To Reconcile:					\$0
Processed	Unprocessed	Allocated	Unallocated	Total Payments Received:	
\$0000	\$0000	\$0000	\$0000	\$0000	
Breakdown of Identified Payments:		Received	Paid	Owing	Total
Event Sponsors:		\$0000	\$0000	\$0000	\$0000
Advertisers:		\$0000	\$0000	\$0000	\$0000
Exhibitors:		\$0000	\$0000	\$0000	\$0000
Accommodation:		\$0000	\$0000	\$0000	\$0000
Total:		\$0000	\$0000	\$0000	\$0000
Surplus / (Deficiency): Paid plus Owing compared to Calculated Income:					\$0000
Surplus / (Deficiency): Individual Payments compared to Payments Allocated:					\$0000
Surplus / (Deficiency): Individual Payments compared to Receipts Issued:					\$0000

Figure X-9. A financial report on Report Center

X.16. Summary

With all the tools above, the organizers of the 2008 IEEE IUS had no need to ask YesEvents to provide statistics or data as we had done in the past with the Federation of Animal Science Societies (FASS). Asking a registration vendor to provide data may be time consuming and costly and the data obtained may be incomplete since the requesters may not know what are actually available in the system of the vendor, how difficult it is to get the data, and different requesters may have different emphases as to what data are important to them. The 2008 IEEE IUS was very happy with YesEvents since it got all the data needed with only a few clicks of buttons on the website without the delay and uncertainty as we might have experienced in the past.

In addition, the tools of YesEvents have allowed the 2008 IEEE IUS to have not only a successful online registration, but also a successful on-site registration, in addition to an accurate and fast reconciliation of money collected by both online and on-site registrations.

XI. Short Courses

XI.1. Short Course Management

The 2008 IEEE IUS has continued the tradition of our conferences to organize short courses. There were 12 short courses organized by the Short Course Chair, Dr. Roman Maev. The Short Course Chair provided the information of a list of short courses and their instructors to the General Chair to place on the conference website and also sent slides and notes produced by the short course instructors to the General Chair to forward to CICCST to print in China. The Short Course Chair also coordinated with the Finance Chair, Dr. Jan Brown, for payments to the short course instructors.

XI.2. Short Course Evaluation Form

During the short courses, the short course participants were asked to fill out the Short Course Evaluation Form for the courses so that the conference organizers could get feedbacks and use the information to improve the quality of future courses. For the 2008 IEEE IUS, the Short Course Chair collected the forms and did an analysis. The Short Course Evaluation Form is on the conference website and is in the DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD). It is also in “**Appendix G. Short Course Evaluation Form**”.

XI.3. Short Course Registration Time Curve

The short course registration time curve below shows a similar trend as the conference registration time curve in Section X.

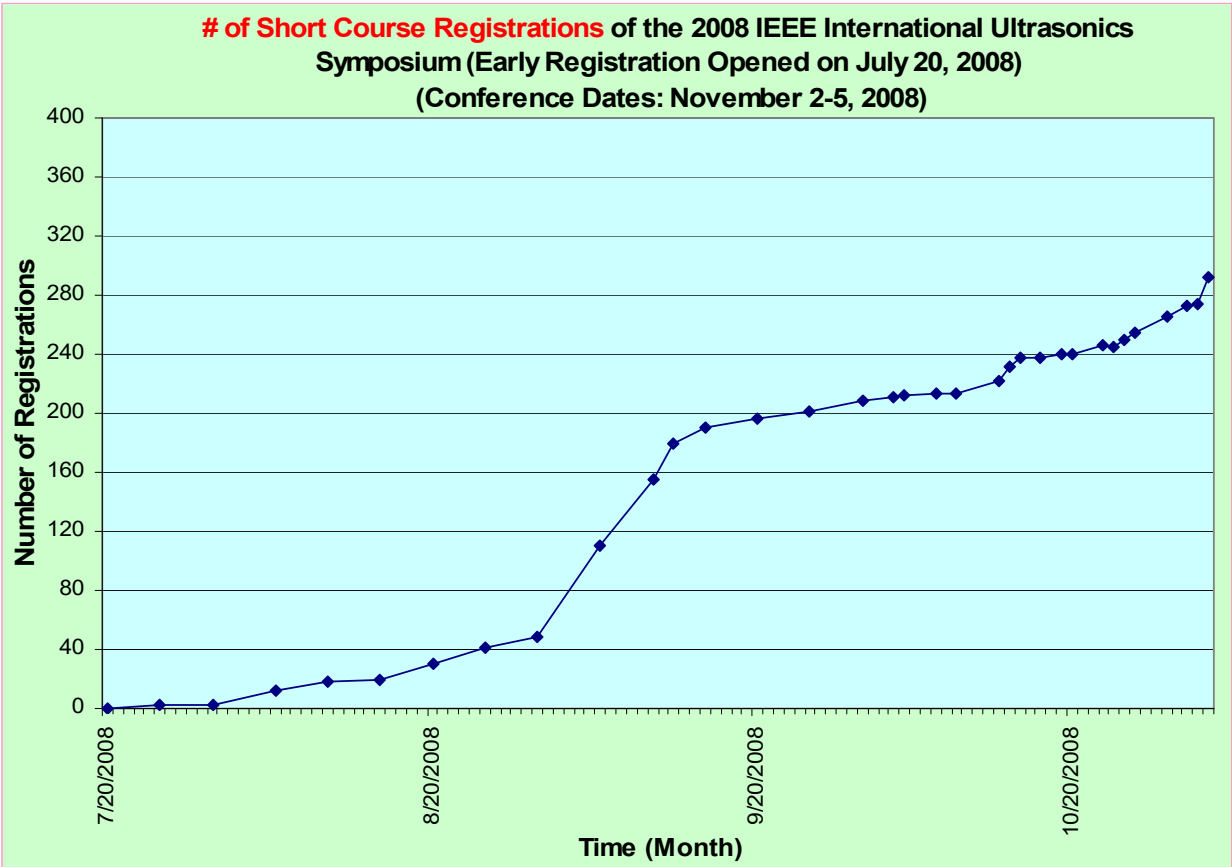


Figure XI-1. Short course registration activity

XII. Finances

Finance is a critical part of the 2008 IEEE IUS. Because the 2008 IEEE IUS has decided to provide more services to attendees, exhibitors, and guests than we normally do, it is important to keep a close eye on the budget. The Finance Chair, Dr. Jan Brown, has been working very hard to make the conference budget for AdCom approval, pay various bills, establish financial instruments such as IEEE concentrating bank account, meet IEEE financial guidelines, work with IEEE to figure out an efficient way to pay the 50 students who received the travel awards from the conference., and close the book with IEEE after the conference.

In addition to the responsibility of the conference finance, Dr. Jan Brown has also contributed substantially to various functions of the conference.

XIII. Publicity

The 2008 IEEE IUS has two Publicity Chairs to handle the publicity in Asia and Pacific areas (Dr. Ji Wang) and the overall publicity tasks (Dr. Sorah Rhee) such as printing the First Call for Papers and distributing it during the 2007 IEEE IUS in New York, sending out announcements of the 2008 IEEE IUS to prospective attendees and others with the help of the Industrial Measurement System (IMS) company. The Publicity Chair for Asia and Pacific had advertised our conference on various online channels in China and publicized the conference whenever there was an opportunity.

The First Call for Papers has been published in both IEEE TUFFC and the UFFC Newsletters. The First and Final Calls of Papers are in “**Appendix E. First Call for Papers**” and “**Appendix F. Final Call for Papers**”, respectively, and are on the conference website.

XIV. Exhibits

The Exhibition Chair, Dr. Mark Schafer, of the 2008 IEEE IUS sent out invitations to prospective exhibitors, contacted them, and provided exhibitor information to CICCST who made local arrangements for exhibitors to display their products in the conference. The Exhibition Chair also handled any exhibits problems arisen during the conference, coordinated wine services to exhibitors, and attended the Exhibitor Breakfast. There have been a total of 20 exhibition booths in the 2008 IEEE IUS, almost filled up all the slots available from the conference. A detailed local arrangement with CICCST on exhibits is given in “**Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS**”.

XV. Cooperation

The Acoustical Society of China has helped CICCST to prepare paperwork for the conference to be approved by the Chinese Government authorities such as the Ministry of Foreign Affairs and the State Council which is one level above the Ministry. The Institute of Acoustics of Chinese Academy of Sciences has helped CICCST by providing volunteers (most of them were graduate students) during the time of the conference. The excellent work of the volunteers has ensured the success of the conference. We also appreciate the General Co-Chair for China Relationship, Dr. Hailan Zhang, for his role as a point of contact in China on behalf of our conference and his help in organizing the volunteers during the conference. Both Dr. Hailan Zhang and Dr. Jing Tian, the former head of the Institute of Acoustics, have helped us when we visited China to prepare the conference.

XVI. Meet IEEE Requirements

Because our conferences are IEEE conferences, the conference organizers need to follow the IEEE procedures in a timely manner. For example, some forms must be filled out to transmit conference information to IEEE. It is also helpful for the General Chairs and relevant committee members to attend at least one of the annual IEEE “Panel of Conference Organizers” (POCO) meeting. The Vice President of the IEEE UFFC Society for Conferences is also a good resource to obtain information regarding the IEEE rules and regulations. For example, IEEE requires any contract that handles value of more than \$25,000 to be approved by IEEE. One example is a contract with a registration vendor. Even a registration company may charge less than \$25,000 for its services, the registration fees it collects could be much more than \$25,000. In this case, the contract needs to be signed by IEEE. Detailed information on what to do to run an IEEE conference may be found on the following IEEE website for conference organizers:

<http://www.ieee.org/web/conferences/organizers/index.html>

IEEE also provides services such as concentration banking account, debit cards for student travel awardees, and provide PDF eXpress to check the Xplore compatibility of a PDF file if an author needs to produce such a file.

XVII. Other Details

Many other details of the 2008 IEEE IUS have not been included in this document but might be of interests to future conference organizers (this information is available from the Organizing Committee of the 2008 IEEE IUS). For example:

- Handling of [travel support](#) for invited speakers (including invited speakers in the Special Clinical Session)
- Handling of [conference registration](#) fees of invited speakers (including invited speakers in the Special Clinical Session)
- Policy on [complementary conference registration](#) for exhibitors
- Policy on [attending the technical program and social functions](#) by exhibitors
- Policy on honorariums, travel support, and printing expenses of [short course instructors](#)
- Policy on determining the amount of [student travel support](#) of each student and the total amount
- [Miscellaneous](#) (including Organizing Committee)
- [Budget](#) of the 2008 IEEE IUS
- Costs of the services of [vendors](#) (CICCST, YesEvents, Mira, 2nd TPC, and IMS, etc)
- Expenses on processing of [credit cards](#)
- Details of organizing the [2nd TPC meeting](#) in Chicago
- [List of exhibitors](#) who have registered
- Detailed [session summaries from](#) session chairs
- Detailed [short course evaluations](#)
- Challenges that were specific to holding a [conference in China](#)
- [Taxes](#) assessed by the Chinese Government (local taxes)

XVIII. Suggested Improvements for Mira and YesEvents Systems

XVIII.1. Notes

Although the 2008 IEEE IUS has tried the best to make functional and robust conference supporting systems with both Mira and YesEvents, the time for the preparation of the 2008 IEEE IUS was short and deadlines must be met. Therefore, there were still tasks that the 2008 IEEE IUS would like to accomplish with both Mira and YesEvents, but could not. Usually, to establish and or customize software systems with new vendors not only need a good knowledge and skills of software, but also many iterations with the vendors over several conferences. Therefore, in the following we provide some wish lists for improvements in case future conference organizers would like to continue or resume using these vendors that the 2008 IEEE IUS has explored. (Please notice that some of the issues listed below might have already been addressed by the 2009 IEEE IUS since some of the suggestions, without “-new”, have been sent to the 2009 IEEE IUS organizers on February 11, 2009).

XVIII.2. Mira System

2.1. Mira Digital Publishing for Technical Program

- (A1-new) Our **student paper competition finalists** may have duplicate presentations for the same abstract that has the same ID (for example, one presentation could be oral and the other is a mandatory poster). Since Mira system was designed to prevent the same abstract to be assigned into different presentation slots, the student paper competition finalists were handled by Mira manually for the 2008 IEEE IUS. Mira could consider automating this to reduce manual interventions that could cause errors and inconsistencies in the program.
- (A2-new) Since the 2008 IEEE IUS has requested **a large report table** with many columns and details of abstract submission, the spreadsheet may be too large so that the database may time out. One solution to this is to divide the spreadsheet into a few smaller ones and allow the conference organizers to download them one-by-one and then put together with Microsoft Excel. The smaller spreadsheets could be produced according to the ranges of abstract IDs. For example, the range could be from 1-300, 301-600, 601-900, 901-1200, and 1201-1500, etc. The other solution could be to ask Mira to download the spreadsheet for the conference organizers.
- (A3-new) Currently, the email addresses of the **reviewer blast email notification** to General/TPC Chairs are hard coded in the software by Mira (this was a temporary solution since the 2008 IEEE IUS did not have time for a better solution). This makes it easy to forget when one conference is moved to next with different General/TPC Chairs. Therefore, it would be good for Mira to place the email addresses of the General/TPC Chairs in the “Site Configuration” of the General/TPC Chair Menu to allow new General/TPC Chairs to make changes. This is important since when a Group Chair finishes his/her reviewer assignment and clicks on the link “Flag reviewer assignments as complete for Group ...” in the Group Chair Menu, the General/TPC Chairs should send out a blast email to the reviewers timely on behalf of the Group Chair.
-

- (A4) Make sure the **Itinerary (Meeting Planner)** or called **attendSMART** only display abstracts. When the abstract submission site is converted to the proceedings paper submission site, make sure that the links to abstracts is removed so that these links would not be accidentally pointing to the papers authors submitted. The 2008 IEEE IUS has specifically removed these links but it could easily be forgotten. (Note that the attendSMART is open to all users and we may want to have a restriction for access to conference proceedings papers.)
- (A5) The **Greeks and Symbols** in abstracts should only be counted as one character instead of multiple characters due to the markups.
- (A6) The layout and change of aspect ratio problems of **figures** in submitted abstracts may need to be fixed. However, when finding solutions, one may need to consider if authors could potentially circumvent the page limit by putting a lot of abstract details including texts in the figure space. Also need to see how to solve the problem of figure sizes competing with the text sizes when we limit abstracts to one page per abstract.
- (A7) Mira might need to add simple code to prevent Group Chairs from accidentally making Accept/Reject decisions on the **combined abstracts** since, in our conferences, combined abstracts mean that they have been accepted. (Or ask chairs not to accept abstracts that are combined, which would then need to be handled manually later.)
- (A8) Dr. Clemens Ruppel's Comments: The system does not accept **comments** without a rating. Therefore, I did put in "abstain" and the comment for transfer. Is there an option to print my overall review results? Neither information given by "Show my Review History" or "Reviewer Statistics" is really useful and I have no interpretation for "Standard deviation for my reviews". Are you able to give some explanations? --- Jian-yu's comments: Reviewers would like to be able to export their individual review results. In addition, reviewers would like to be able to revisit their comments before the review deadline.
- (A9) The accuracy of the **mean and standard deviation** of the score in abstract review could be improved to have at least one decimal digit. (There is a decimal for the mean and standard deviation in the exported .xls spreadsheet, but not on the screen displayed.)
- (A10) Mira could check why some students could have **travel support** checked without entering IEEE member #, which should not be allowed.
- (A11) In **programSMART** (for developing the technical program layout), when search in an order of abstract IDs typed in such as 2,7,64,33,278,30, the results should be in the same order and then the corresponding abstracts should be **batch assigned** into a session in the same order. This would save group chairs a lot of time in building the program.
- (A12) Dr. Stas Emelianov mentioned that he would suggest for teleconference in addition to the face-to-face conference for Group I.

2.2. Mira Digital Publishing for Conference Proceedings

- (B1-new) It would be nice to have a "Forward" function on the search result pages of the **DVD** in addition to the existing "Back" function. But this may not be critical and may also be difficult to implement.
-
- (B2) A column "**Submission Time**" could be added to the paper submission spreadsheet to help to judge if a paper is submitted before the deadline. (This would be very easy for Mira to do.)
- (B3) The paper submission site may need to have an "**Incomplete**" status in paper submission that is similar to what we already have for the abstract submission. In addition, a blast email item that

allows us sending emails to all “Incomplete” authors before the paper submission deadline to remind them to complete their paper submissions may reduce the number of incompletely submitted papers.

- (B4) To improve the accuracy of designation of **multimedia papers** by authors, the HTML texts (instructions) and the button texts could be modified. For example, “Upload No Files at This Time” could be changed to “Upload No Multimedia Files at This Time and Continue”, and “Continue to Upload” could be changed to “Continue to Upload Multimedia Files” to clarify.

2.3. Suggestions for Improvements Sent to 2017 IEEE IUS Organizers Regarding Mira System on 7/17/2017

Fixes that May Be Needed for the 2017 IEEE IUS:

- (C1) In the "Author" menu of the Mira software system, in the "Proceedings Paper Submissions" mode, authors may be asked to pay an **overlength page charge** of \$100/page. This amount (\$100/page) is set in the “Site Configuration” in the "General Chair and TPC Chair" menu and the General Chair or TPC Chair can change it directly. However, this amount is inconsistent with \$125/page in the instructions on the 2017 IEEE IUS website and thus need to be made consistent. [2017 IEEE IUS Conference Organizers: The suggestion has been made but may need to be tested.]
- (C2) In the task "Manager Reports" of the "General Chair and TPC Chair" menu of the Mira software system, the report "**Presentation Recording Consent**" in the "Proceedings Paper Submission" mode has a wrong file content when saved as .csv file and thus needs to be fixed (what displayed on screen is different from what is saved in the .csv file). - This task is used by the Slides+Audio recording team to record oral presentations but this .csv file is not useful for them. [Mira: I put in a ticket for IT to fix this report.]
- (C3) In the home page of the "Author" menu of the Mira software system, it would be good to ask Mira to also allow oral-presentation authors to submit their **consents** for recording Slides+Audios of their oral presentations in the "Proceedings Paper Submissions" mode (when the Mira software system is in the "Abstract Submissions" mode, after abstracts are accepted for oral presentations, authors are allowed to indicate if they would like their presentations be recorded). It would be desirable such option is also available during proceedings paper submissions since many authors may have not got a chance to make a consent during the short period of time between their abstract acceptance notifications and the time when the site is converted from "Abstract Submissions" mode to the "Proceedings Paper Submissions" mode. [Mira: I put in a ticket for IT to enable this. I apologize I forgot to include this in the paper website procedure. This was new last year. It is now in my documentation for next year.]
- (C4) When the "Abstract Submissions" mode is changed to the "Proceedings Paper Submissions" mode in "Site Configuration" of the "General Chair and TPC Chair" menu, the word "abstract" should be changed to "**paper**" in all menus. At least, in various pages of the Author menu including HTML texts on the left band ("Client Area HTML") during paper submissions, this needs to be made consistent to avoid confusions. Currently, only some of the places the wording is changed from "abstract" to "paper" in "Proceedings Paper Submissions" mode. [Mira: The word "paper" was replaced in the site configurations. There are some places were the term abstract is hard coded into the text. I try to find all the instances and change the text. I apologize it looks like I overlooked some.]

Nice to Be Changed for Future IEEE IUS Conferences:

- (D1) Make **reviewer rating** categories consistent everywhere in the Mira software system.

- (i) Excellent (some places use "Accept")
- (ii) Good (some places use "Marginally Accept")
- (iii) Average (some places use "Marginally Reject")
- (iv) Poor (some places use "Reject")

I.e., do the following in all places: Replace "Accept" with "Excellent", "Accept" with "Good", "Marginally Reject" with "Average", and "Reject" with "Poor". For example, in "Reviewer" menu, the labels in "Reviewer Statistics" are different from what displayed in the drop down menu for rating of each abstract. Other places may also have such inconsistencies. [2017 IEEE IUS Conference Organizers: The suggestion has not been submitted to Mira since it is for future conferences.]

- (D2) Add one **line spacing** above the three titles "Background, Motivation and Objective", "Statement of Contribution/Methods", and "Results/Discussion", and above the figure in the abstract for clarity if feasible. This may make reviewers a little easier. [2017 IEEE IUS Conference Organizers: The suggestion has not been submitted to Mira since it is for future conferences.]
- (D3) In "View/Download Reports" and "View/Download Abstract Data" of the "Group Chair" menu of the Mira software system, when one is assigned to all Groups in order to view data from all Groups, some of the reports take a longer time to produce than the Mira software system allowed, which leads to **"time out"** response in web browsers. To avoid the "time out", it is suggested to have an option to produce data in several .csv files, instead of one big .csv file according to the ranges of User ID. For IEEE IUS, the User ID is ranged from 1 to less than 2000. Thus, one could download the report for ID from such as 1-500, 501-1000, 1001-1500, and 1500-2000, etc by an option via a dropdown box. Then, using MS Excel, one could easily put all data into one .xls file for various sorting and automatic processing. This would make General Chairs and TPC Chairs more efficient and save Mira time too since each request to Mira to download a data sheet for the conference organizers could take some time and it would be nice that you could get the data whenever you need instead of waiting. [2017 IEEE IUS Conference Organizers: The suggestion has not been submitted to Mira since it is for future conferences.]

A Question to Mira:

- (D3) In "Site Configuration" of the "General Chair and TPC Chair" menu of the Mira software system, it allows importing settings of **"IUS Demo"** into the current site. Could "IUS Demo" be customized using 2017 IEEE IUS data and settings and be used as a test ground for new General Chairs, TPC Chairs, Proceedings Chairs, Slides+Audio recording team, and other conference organizers? Also, make IUS Demo permanently available for UFFC-S. If these could be done, how to access "IUS Demo" and what are the Admin user name and password of the IUS Demo site? [Mira: The 2018 committee is looking into upgrading the software. If they do decide to upgrade we will need to discuss the best process for training the incoming committee.]

A Suggestion from Dr. Lori Bridal to 2017 IEEE IUS Conference Organizers on July 19, 2017:

- (E1) Problem for **"Batch Assign"** when there is a conflict of reviewers: (i) Currently it is possible to "batch assign" reviewers to many abstracts at once. Taking from notes from Georg: "The batch assignment is painful. It does not let you assign abstracts to reviewers when it detects that the reviewer is a coauthor. This detection (by e-mail identification) is not reliable but in the cases where it works it blocks your assignment and lists you the problematic abstracts. You have to write them down (!) and uncheck those by hand (!) and do this step by step for each single reviewer with a conflict." (ii) Although the "batch assign" is not optimal, I would have given my teeth to have a "batch unassign" last time I was doing this. I had made mistakes in the original assignments and to removal of reviewer was only possible ONE abstract at time. That was harsh. [2017 IEEE IUS

Conference Organizers: The suggestion has not been submitted to Mira since it is for future conferences.]

- (E2) A nice to have feature: Final point mentioned in exchanges with other Group Vice-chairs. It would be nice to be able to name sessions with two prefixes (for example a medical ultrasound and physical acoustics prefix) AND have two chairs. This function would be nice for building joint sessions. [2017 IEEE IUS Conference Organizers: The suggestion has not been submitted to Mira since it is for future conferences.]

XVIII.3. YesEvents System

YesEvents Registration/Administration Center:

- (F1-new) Currently, when anyone who registers as a **complimentary registration** from the YesEvents online system with a secret invitation code, an automatic email containing information of the registrant is sent to the General Chair to alert him or her. The General Chair could also get information on who has attempted to enter a fake invitation code. However, the email address of the General Chair is hard coded in the software and YesEvents could easily forget to change it from year to year. Therefore, I would suggest YesEvents to put the email address on the Administration (Admin) Center so that new General Chairs could make changes themselves so that the emails would be properly directed.
- (F2-new) Add a column (such as after the last column) to indicate whether a registrant has **multiple payments** with a word such as “Multi” for each incidence of such registrations except the first one in the spreadsheet (please see “Spreadsheet of Registration Database” in X). As explained before, a registrant may register online but later ask YesEvents or on-site staff to add a few guests or to cancel the registration. This would result in several rows in the spreadsheet (see an explanation of “Amount Paid” in the subsection “Spreadsheet of Registration Database” in X). The indicator “Multi” would make it easy to identify all registrants of multiple rows in the spreadsheet and then remove them after sorting with the added column (thus keeping only one row for each registrant) for the purpose of calculating the total amount of registration fees collected by the online or on-site registration (the calculation could be done with the Auto Sum feature of the Microsoft Excel for the column “Total Paid” in conjunction with the column “Cash On-Site” to distinguish online or on-site registration). Otherwise, the amount calculated would not be correct since multiple rows of the same registrant have the same amount of “Total Paid” although their “Amount Paid” may be different each time. Multiple rows may also be produced when there is a cancellation (except that a registrant, such as an IEEE life member, does not need to pay). Since the 2008 IEEE IUS did not have time to implement this suggested improvement, the General Chair has developed a Visual Basic program in the spreadsheet that automatically identified multiple payment rows with the word “Multi” and colored the entire rows (did the same for all cancelled registrations except that the word was changed to “Cancel” and the color was different). The program can also automatically remove all the rows marked as “Multi” or “Cancel” to form a new sheet in which each registrant has only one row. If a registration is cancelled, all the rows for that registration will be removed in the new spreadsheet so that we also have an accurate count of the number of registrants. Therefore, the cancellation fees will not be included in the total and thus need to be calculated separately. Please notice that the solution above is temporary and thus it would be nice if YesEvents could simply add a suggested column to make conference organizers a litter easier.
-

- (F3) When people select “IEEE Member” on the first page of the online registration form they should be provided a box to enter **IEEE Membership #** so that no IEEE # would be missing from the database spreadsheet. This spreadsheet would help us to derive various statistics.
- (F4) The Admin Center “**Reports**” could show a complete column for each entry similar to what is in “View Registrants”. (Currently, there are only “Name”, “Phone”, and “Email”.) - This may not be critical since all information is already in the .xls spreadsheets.
- (F5) Could add a “**Back**” button after complete a search or click the “View” button in “View Registrants” to go back to the line in “View Registrants”. - This may not be critical.
- (F6) A **correct coloring** the “View Registrants” in the Admin Center according to various payments and issuing of registrant packages would be helpful. - This may not be critical.

Appendix A. IEEE International Ultrasonics Symposium (IUS) from 1959-2017

The following is a list of the IEEE International Ultrasonics Symposia (IUS) from 1959-2017 with relevant information:

Conference Name: *2017 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use IEEE - may need to be converted to a static site first for IEEE for security)

<http://ewh.ieee.org/conf/ius/2017/>

General Chair: Keith Wear; E-mail: keith.wear@fda.hhs.gov

Technical Program Committee Chair: Georg Schmitz

Venue: Omni Shoreham Hotel

Location: Washington, DC., USA

Dates: September 5-9, 2017

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2017 IEEE Ultrasonics Symposium Proceedings (??? papers)

Registration Fees: \$725/\$875 (members adv/onsite), \$925/\$1075 (non-members), \$250/\$400 (students - member), \$400/\$550 (students – nonmember)

Number of Attendees: ??? (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 1310 (Groups I: 834; II: 129; III: 102; IV: 100; V: 145)

Number of Abstracts Accepted: 945 (Groups I: 579; II: 99; III: 79; IV: 76; V: 112)

Conference Name: *2016 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use IEEE):

<https://web.archive.org/web/20160608065037/http://sites.ieee.org/ius-2016/>

<http://sites.ieee.org/ius-2016/>

General Chair: Ayache Bouakaz; E-mail: ayache.bouakaz@univ-tours.fr

Technical Program Committee Chair: Ton van der Steen

Venue: Convention Center Vinci

Location: Tours, France

Dates: September, 18-21, 2016

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2016 IEEE Ultrasonics Symposium Proceedings (536 papers)

Registration Fees: \$744/\$900 (members adv/onsite), \$996/\$1158 (non-members), \$264/\$420 (students - member), \$444/\$600 (students – nonmember)

Number of Attendees: 1375 (IEEE R1-7 US/Canada: 365; R8 Europe/Middle East/Africa: 679; R9 Latin America: 1; R10 Asia/Pacific: 330; No Country: 0)

Number of Abstracts Submitted: 1181 (Groups I: 704; II: 161; III: 111; IV: 78; V: 127)

Number of Abstracts Accepted: 852 (Groups I: 477; II: 130; III: 82; IV: 67; V: 96)

Conference Name: *2015 IEEE International Ultrasonics Symposium (IUS)*

Web: (use WayBackMachine or IEEE):

https://web.archive.org/web/20151015065752/http://ewh.ieee.org/conf/ius/ius_2015/Welcome.html

http://ewh.ieee.org/conf/ius/ius_2015/

General Chair: **Pai-Chi Li**; E-mail: paichi@ntu.edu.tw

Technical Program Committee Chair: **Stanislav Emelianov**

Venue: Taipei International Convention Center (TICC)

Location: Taipei, Taiwan

Dates: October 21-24, 2015

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2015 IEEE Ultrasonics Symposium Proceedings (555 papers)

Registration Fees: \$665/\$815 (members adv/onsite), \$890/\$1040 (non-members), \$250/\$400 (students - member), \$400/\$550 (students – nonmember)

Number of Attendees: 1003 (IEEE R1-7 US/Canada: 245; R8 Europe/Middle East/Africa: 327; R9 Latin America: 9; R10 Asia/Pacific: 422; No Country: 0)

Number of Abstracts Submitted: 1044 (Groups I: 633; II: 120; III: 78; IV: 66; V: 147)

Number of Abstracts Accepted: 823 (Groups I: 476; II: 98; III: 69; IV: 59; V: 121)

Conference Name: **2014 IEEE International Ultrasonics Symposium (IUS)**

Web: (Use IEEE):

https://web.archive.org/web/20150504214511/http://ewh.ieee.org/conf/ius_2014

http://ewh.ieee.org/conf/ius_2014/

General Chair: **Jafar Saniie**; E-mail: saniie@iit.edu

Technical Program Committee Chair: **Jan D'hooge**

Venue: Hilton Hotel Chicago

Location: Chicago, Illinois, USA

Dates: September 3-6, 2014

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2014 IEEE Ultrasonics Symposium Proceedings (654 papers)

Registration Fees: \$665/\$815 (members adv/onsite), \$890/\$1040 (non-members), \$250/\$400 (students - member), \$400/\$550 (students – nonmember)

Number of Attendees: 1279 (IEEE R1-7 US/Canada: 473; R8 Europe/Middle East/Africa: 486; R9 Latin America: 26; R10 Asia/Pacific: 294; No Country: 0)

Number of Abstracts Submitted: 1214 (Groups I: 707; II: 161; III: 116; IV: 94; V: 136)

Number of Abstracts Accepted: 938 (Groups I: 520; II: 120; III: 102; IV: 84; V: 112)

Conference Name: **2013 IEEE International Ultrasonics Symposium (IUS) - 2013 IEEE UFFC-S Joint Conference (A Joint meeting of IUS, ISAF, IFCS, EFTF, and PFM)**

Web: (Use WayBackMachine or IEEE)

<https://web.archive.org/web/20150716040515/http://www.ewh.ieee.org/conf/uffc/2013/>

<http://ewh.ieee.org/conf/uffc/2013/>

General Chair: **Ahmad Safari**; E-mail: safari@rci.rutgers.edu

Technical Program Committee Co-Chairs: **Stanislav Emelianov**, **Susan Trolier McKinstry**, **Dragan Damjanovic**, **Andrei Kholkin**, **Warren Walls**, and **Gaetano Miletì**

Venue: Prague Conference Center

Location: Prague, Czech Republic

Dates: July 21-25, 2013

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2013 IEEE International Ultrasonics Symposium Proceedings (559 papers)

Proceedings: Proceedings of the 2013 IEEE International Symposium on Applications of Ferroelectrics (93 papers)

Proceedings: Proceedings of the 2013 IEEE International Frequency Control Symposium (259 papers)

Registration Fees: \$665/\$820 (members adv/onsite), \$820/\$995 (non-members), \$300/\$300 (students - member), \$300/\$300 (students – nonmember)

Number of Attendees: 2033 (IUS 1118; ISAF: 407; IFCS: 508) (IEEE R1-7 US/Canada: 450; R8 Europe/Middle East/Africa: 1005; R9 Latin America: 20; R10 Asia/Pacific: 481; No Country: 77)

Number of Abstracts Submitted: 949 (Groups I: 517; II: 137; III: 97; IV: 98; V: 100)

Number of Abstracts Accepted: 760 (Groups I: 386; II: 110; III: 94; IV: 86; V: 84)

Conference Name: *2012 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use IEEE):

https://web.archive.org/web/20141228222905/http://ewh.ieee.org/conf/ius_2012

http://ewh.ieee.org/conf/ius_2012/

General Chair: Manfred Weihnacht; E-mail: m.weihnacht@ifw-dresden.de

Technical Program Committee Chair: Mauricio Pereira da Cunha

Venue: Maritim Hotel & International Congress Center Dresden

Location: Dresden, Germany

Dates: October 7-10, 2012

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2012 IEEE Ultrasonics Symposium Proceedings (684 papers)

Registration Fees: \$594/\$821 (members adv/onsite), \$783/\$1011 (non-members), \$190/\$392 (students - member), \$190/\$392 (students – nonmember)

Number of Attendees: 1214 (IEEE R1-7 US/Canada: 291; R8 Europe/Middle East/Africa: 609; R9 Latin America: 20; R10 Asia/Pacific: 294; No Country: 0)

Number of Abstracts Submitted: 1167 (Groups I: 596; II: 197; III: 134; IV: 111; V: 129)

Number of Abstracts Accepted: 899 (Groups I: 453; II: 157; III: 111; IV: 87; V: 91)

Conference Name: *2011 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use WayBackMachine or IEEE):

https://web.archive.org/web/20150612132736/http://ewh.ieee.org/conf/ius_2011/

http://ewh.ieee.org/conf/ius_2011/

General Co-Chairs: Clemens Ruppel and Ken-Ya Hashimoto; E-mail: k.hashimoto@ieee.org and clemens.ruppel@epcos.com

Technical Program Committee Chair: Yook-Kong Yong

Venue: Caribe Royale All-Suite Hotel & Convention Center

Location: Orlando, Florida, USA

Dates: October 18-21, 2011

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2011 IEEE Ultrasonics Symposium Proceedings (602 papers)

Registration Fees: \$600/\$750 (members adv/onsite), \$800/\$950 (non-members), \$175/\$275 (students - member), \$175/\$275 (students – nonmember)

Number of Attendees: 962 (IEEE R1-7 US/Canada: 461; R8 Europe/Middle East/Africa: 292; R9 Latin America: 10; R10 Asia/Pacific: 199; No Country: 0)

Number of Abstracts Submitted: 883 (Groups I: 511; II: 104; III: 87; IV: 84; V: 97)

Number of Abstracts Accepted: 720 (Groups I: 385; II: 89; III: 86; IV: 73; V: 87)

Conference Name: *2010 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use IEEE):

https://web.archive.org/web/20140901153623/http://ewh.ieee.org/conf/ius_2010/

http://ewh.ieee.org/conf/ius_2010/

General Chair: Bob Potter; E-mail: bpotter@vectron.com

Technical Program Committee Chair: Peter Smith

Venue: Town & Country Inn & Convention Center

Location: San Diego, California, USA

Dates: October 11-14, 2010

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2010 IEEE Ultrasonics Symposium Proceedings (590 papers)

Registration Fees: \$550/\$650 (members adv/onsite), \$725/\$855 (non-members), \$150/\$300 (students - member), \$150/\$300 (students – nonmember)

Number of Attendees: 975 (IEEE R1-7 US/Canada: 477; R8 Europe/Middle East/Africa: 274; R9 Latin America: 1; R10 Asia/Pacific: 203; No Country: 20)

Number of Abstracts Submitted: 853 (Groups I: 496; II: 104; III: 68; IV: 100; V: 85)

Number of Abstracts Accepted: 683 (Groups I: 379; II: 83; III: 66; IV: 86; V: 69)

Conference Name: *2009 IEEE International Ultrasonics Symposium (IUS)*

Web: (use IEEE)

https://web.archive.org/web/20140107042629/http://ewh.ieee.org/conf/ius_2009

http://ewh.ieee.org/conf/ius_2009/

General Chair: Massimo Pappalardo; E-mail: pappalar@uniroma3.it

Technical Program Committee Chair: Donald Yuhas

Venue: The Ergife Hotel

Location: Rome, Italy

Dates: September 19-23, 2009

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2009 IEEE Ultrasonics Symposium Proceedings (699 papers)

Registration Fees: \$630/\$780 (members adv/onsite), \$876/\$1026 (non-members), \$150/\$150 (students - member), \$150/\$150 (students – nonmember)

Number of Attendees: 1226 (IEEE R1-7 US/Canada: 354; R8 Europe/Middle East/Africa: 550; R9 Latin America: 12; R10 Asia/Pacific: 237; No Country: 73)

Number of Abstracts Submitted: 1083 (Groups I: 482; II: 191; III: 145; IV: 129; V: 136)

Number of Abstracts Accepted: 878 (Groups I: 393; II: 133; III: 145; IV: 105; V: 102)

Conference Name: *2008 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use IEEE or my copy)

https://web.archive.org/web/20160407180144/http://ewh.ieee.org/conf/ius_2008/

http://www.eng.utoledo.edu/~jilu/web_ussymp/2008_ussymp_web/index.html

http://ewh.ieee.org/conf/ius_2008/

General Chair: Jian-yu Lu, Ph.D.; E-mail: jian-yu.lu@ieee.org – [Photos and Videos](#) - [Report of 2008 IUS and History of IEEE IUS](#) (or click [here](#))

Technical Program Committee Chair: Keith Wear

Venue: Beijing International Convention Center (BICC)

Location: Beijing, China

Dates: November 2-5, 2008

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2008 IEEE International Ultrasonics Symposium Proceedings (553 papers)

Registration Fees: \$600/\$700 (members adv/onsite), \$750/\$850 (non-members), \$150/\$150 (students - member), \$150/\$150 (students – nonmember) – Banquet/show ticket and Monday lunch included in the registration fees.

Number of Attendees: 1023 (IEEE R1-7 US/Canada: 303; R8 Europe/Middle East/Africa: 295; R9 Latin America: 8; R10 Asia/Pacific: 417; No Country: 0)

Number of Abstracts Submitted: 917 (Groups I: 394; II: 152; III: 124; IV: 117; V: 130)

Number of Abstracts Accepted: 674 (Groups I: 295; II: 96; III: 99; IV: 93; V: 91)

Conference Name: *2007 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use my copy)

https://web.archive.org/web/20140513003036/http://ewh.ieee.org/conf/ius_2007/

http://www.eng.utoledo.edu/~jilu/web_ussymp/2007_ussymp_web/index.html

http://ewh.ieee.org/conf/ius_2007/

General Chair: John A. Kosinski

Technical Program Committee Chair: Mauricio Pereira da Cunha

Venue: Hilton New York

Location: New York City, New York, USA

Dates: October 28-31, 2007

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2007 IEEE Ultrasonics Symposium Proceedings (642 papers)

Registration Fees: \$550/\$650 (members adv/onsite), \$700/\$800 (non-members), \$150/\$150 (students - member), \$150/\$150 (students – nonmember)

Number of Attendees: 1165 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 991 (Groups I: 461; II: 163; III: 91; IV: 134; V: 142)

Number of Abstracts Accepted: 793 (Groups I: 376; II: 156; III: 79; IV: 92; V: 90)

Conference Name: *2006 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use WayBackMachine or my copy)

<https://web.archive.org/web/20080414184003/http://www.ieee-ultrasonics2006.org/>

http://www.eng.utoledo.edu/~jilu/web_ussymp/2006_ussymp_web/index.html

<http://www.ieee-ultrasonics2006.org/>

General Chair: F. Stuart Foster

Technical Program Committee Chair: Geoff Lockwood

Venue: The Westin Bayshore Resort & Marina

Location: Vancouver, Canada

Dates: October 3-6, 2006

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2006 IEEE Ultrasonics Symposium Proceedings (593 papers)

Registration Fees: \$425/\$525 (members adv/onsite), \$575/\$700 (non-members), \$90/\$90 (students - member), \$90/\$90 (students – nonmember)

Number of Attendees: **990** (IEEE R1-7 US/Canada: **xxx**; R8 Europe/Middle East/Africa: **xxx**; R9 Latin America: **xxx**; R10 Asia/Pacific: **xxx**; No Country: **xxx**)

Number of Abstracts Submitted: **887** (Groups I: **392**; II: **161**; III: **102**; IV: **99**; V: **133**)

Number of Abstracts Accepted: **710** (Groups I: **332**; II: **119**; III: **72**; IV: **82**; V: **105**)

Conference Name: **2005 IEEE International Ultrasonics Symposium (IUS)**

Web: (Use my copy)

<https://web.archive.org/web/20081015231934/http://www.ieee-uffc.org/2005/>

http://www.eng.utoledo.edu/~jilu/web_ussymp/2005_ussymp_web/index.html

<http://www.ieee-uffc.org/2005/>

General Chair: **Ton van der Steen**

Technical Program Committee Chair: **John A. Hossack**

Venue: De Doelen

Location: Rotterdam, The Netherlands

Dates: September 18-21, 2005

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2005 IEEE Ultrasonics Symposium Proceedings (**562** papers)

Registration Fees: **\$425/\$525** (members adv/onsite), **\$525/\$625** (non-members), **\$60/\$60** (students - member), **\$60/\$60** (students – nonmember)

Number of Attendees: **1020** (IEEE R1-7 US/Canada: **xxx**; R8 Europe/Middle East/Africa: **xxx**; R9 Latin America: **xxx**; R10 Asia/Pacific: **xxx**; No Country: **xxx**)

Number of Abstracts Submitted: **876** (Groups I: **331**; II: **169**; III: **130**; IV: **119**; V: **127**)

Number of Abstracts Accepted: **647** (Groups I: **240**; II: **104**; III: **107**; IV: **91**; V: **95**)

Conference Name: **2004 IEEE International Ultrasonics Symposium (IUS) – 2004 IEEE International Ultrasonics, Ferroelectrics, and Frequency Control Joint 50th Anniversary Conference**

Web: (Use WayBackMachine or my copy)

<https://web.archive.org/web/20100213042013/http://ewh.ieee.org/soc/uffc/>

http://www.eng.utoledo.edu/~jilu/web_ussymp/2004_ussymp_web/index.html

<http://ewh.ieee.org/soc/uffc/>

General Chair: **R. Michael Garvey**

Technical Program Committee Co-Chairs: **Ton van der Steen**, **Steve Pilgrim**, **Walter Schulze**, and **Chris Ekstrom**

Venue: Palais des Congrès

Location: Montréal, Canada

Dates: August 23-27, 2004

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2004 IEEE Ultrasonics Symposium Proceedings (**567** papers)

Proceedings: Proceedings of the 2004 IEEE International Symposium on Applications of Ferroelectrics (**95** papers)

Proceedings: Proceedings of the 2004 IEEE International Frequency Control Symposium (**168** papers)

Registration Fees: **\$425/\$525** (members adv/onsite), **\$525/\$625** (non-members), **\$75/\$75** (students - member), **\$75/\$75** (students – nonmember)

Number of Attendees: **1327** (IEEE R1-7 US/Canada: **718**; R8 Europe/Middle East/Africa: **342**; R9 Latin America: **6**; R10 Asia/Pacific: **261**; No Country: **0**)

Number of Abstracts Submitted: 767 (Groups I: 324; II: 108; III: 98; IV: 105; V: 132)

Number of Abstracts Accepted: 636 (Groups I: 269; II: 78; III: 85; IV: 93; V: 111)

Conference Name: *2003 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use my copy)

<https://web.archive.org/web/20070819041914/http://www.ieee-uffc.org/2003/>

http://www.eng.utoledo.edu/~jilu/web_ussymp/2003_ussymp_web/index.html

<http://www.ieee-uffc.org/2003/>

General Co-Chairs: James F. Greenleaf and William D. O'Brien Jr.

Technical Program Committee Chair: Helen F. Routh

Venue: Hilton Hawaiian Village

Location: Honolulu, Hawaii, USA

Dates: October 5-8, 2003

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2003 IEEE Ultrasonics Symposium Proceedings (497 papers)

Registration Fees: \$425/\$500 (members adv/onsite), \$600/\$675 (non-members), \$90/\$90 (students - member), \$90/\$90 (students - nonmember)

Number of Attendees: 688 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 764 (Groups I: 350; II: 93; III: 99; IV: 118; V: 104)

Number of Abstracts Accepted: 561 (Groups I: 242; II: 63; III: 84; IV: 89; V: 83)

Conference Name: *2002 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use my copy)

(In cooperation with the Association for Electrical, Electronic & Information Technologies (VDE), Germany)

<https://web.archive.org/web/20080908101442/http://www.ieee-uffc.org/2002/>

http://www.eng.utoledo.edu/~jilu/web_ussymp/2002_ussymp_web/index.html

<http://www.ieee-uffc.org/2002/>

General Co-Chairs: Clemens Ruppel and Bernhard Tittmann

Technical Program Committee Co-Chairs: Reinhard Lerch and Robert Weigel

Venue: Forum Hotel

Location: Munich, Germany.

Dates: October 8-11, 2002

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2002 IEEE Ultrasonics Symposium Proceedings (450 papers)

Registration Fees: \$375/\$450 (members adv/onsite), \$475/\$550 (non-members), \$65/\$65 (students - member), \$65/\$65 (students - nonmember)

Number of Attendees: 950 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 748 (Groups I: 268; II: 151; III: 93; IV: 137; V: 99)

Number of Abstracts Accepted: 508 (Groups I: 174; II: 92; III: 59; IV: 115; V: 68)

Conference Name: *2001 IEEE International Ultrasonics Symposium (IUS) – Affected by September 11, 2001 Terrorist Attack*

Web: (Use WayBackMachine or my copy)

(A Joint Meeting with the World Congress on Ultrasonics (WCU))

<https://web.archive.org/web/20081028164328/http://www.ieee-uffc.org/2001/>
http://www.eng.utoledo.edu/~jilu/web_ussymp/2001_ussymp_web/index.html
<http://www.ieee-uffc.org/2001/>

General Co-Chairs: Mack A. Breazeale and William D. O'Brien, Jr.; **WCU Chair:** Lawrence A. Crum

Technical Program Committee Chair: Jian-yu Lu

Venue: Omni Hotel, CNN Center

Location: Atlanta, Georgia, USA

Dates: October 7-10, 2001

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2001 IEEE Ultrasonics Symposium Proceedings (385 papers)

Registration Fees: \$375/\$450 (members adv/onsite), \$450/\$525 (non-members), \$50/\$50 (students - member), \$50/\$50 (students - nonmember)

Number of Attendees: 687 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 767 (Groups I: 283; II: 154; III: 100; IV: 124; V: 106)

Number of Abstracts Accepted: 529 (Groups I: 173; II: 101; III: 76; IV: 91; V: 88)

Conference Name: *2000 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use WayBackMachine)

<https://web.archive.org/web/20010923005533/http://www.uffcsymp2000.org/>
<http://www.uffcsymp2000.org/>

General Chair: Rodolfo Almar

Technical Program Committee Chair: Peter Wright

Venue: Caribe Hilton

Location: San Juan, Puerto Rico, USA

Dates: October 22-25, 2000

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 2000 IEEE Ultrasonics Symposium Proceedings (427 papers)

Registration Fees: \$340/\$380 (members adv/onsite), \$420/\$465 (non-members), \$50/\$60 (students - member), \$50/\$60 (students - nonmember)

Number of Attendees: 815 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 642 (Groups I: 243; II: 82; III: 82; IV: 138; V: 97)

Number of Abstracts Accepted: 469 (Groups I: 165; II: 57; III: 41; IV: 126; V: 80)

Conference Name: *1999 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use my copy)

http://www.eng.utoledo.edu/~jilu/web_ussymp/1999_ussymp_web/index.html
<http://www.adsa.uiuc.edu/IEEE99/>

General Chair: Butrus T. (Pierre) Khuri-Yakub

Technical Program Committee Chair: Eric S. Furgason

Venue: Caesars Tahoe

Location: Lake Tahoe, Nevada, USA

Dates: October 17-20, 1999

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1999 IEEE Ultrasonics Symposium Proceedings (382 papers)

Registration Fees: \$330/\$370 (members adv/onsite), \$410/\$450 (non-members), \$50/\$60 (students - member), \$50/\$60 (students – nonmember)

Number of Attendees: 894 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 624 (Groups I: 299; II: 94; III: 94; IV: 118; V: 89)

Number of Abstracts Accepted: 440 (Groups I: 134; II: 66; III: 75; IV: 89; V: 76)

Conference Name: *1998 IEEE International Ultrasonics Symposium (IUS)*

Web: (Lost)

https://web.archive.org/web/19990224121612/http://bul.eecs.umich.edu/uffc/us_uss98/

http://bul.eecs.umich.edu/uffc/us_uss98/

General Co-Chairs: Noriyoshi Chubachi and Bernhard R. Tittmann

Technical Program Committee Co-Chairs: Kazuhiko Yamanouchi and James F. Greenleaf

Venue: Hotel Metropolitan Sendai

Location: Sendai, Miyagi, Japan

Dates: October 5-8, 1998

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1998 IEEE Ultrasonics Symposium Proceedings (422 papers)

Registration Fees: \$350/\$390 (members adv/onsite), \$440/\$480 (non-members), \$40/\$50 (students - member), \$40/\$50 (students – nonmember)

Number of Attendees: 767 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 577 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 463 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1997 IEEE International Ultrasonics Symposium (IUS)*

Web: (Lost)

<http://www.sunnybrook.utoronto.ca:8080/~ieee97>

General Chair: Stuart Foster

Technical Program Committee Chair: Katherine Farrara

Venue: Toronto Marriott Eaton Centre

Location: Toronto, Ontario, Canada, USA

Dates: October 5-8, 1997

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1997 IEEE Ultrasonics Symposium Proceedings (376 papers)

Registration Fees: \$320/\$350 (members adv/onsite), \$400/\$420 (non-members), \$25/\$40 (students - member), \$25/\$40 (students – nonmember)

Number of Attendees: 800 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 540 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 423 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1996 IEEE International Ultrasonics Symposium (IUS)*

Web: (Use WayBackMachine or my copy)

<https://web.archive.org/web/20020805125758/http://macro.stanford.edu/groups/uffc/>

http://www.eng.utoledo.edu/~jilu/web_ussymp/1996_ussymp_web/index.html

<http://macro.stanford.edu/groups/uffc/>

General Chair: Jeff Schoenwald

Technical Program Committee Chair: Butrus T. (Pierre) Khuri-Yakub

Venue: Hyatt Regency Hotel

Location: San Antonio, Texas, USA

Dates: November 3-6, 1996

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1996 IEEE Ultrasonics Symposium Proceedings (343 papers)

Registration Fees: \$320/\$350 (members adv/onsite), \$400/\$420 (non-members), \$25/\$40 (students - member), \$25/\$40 (students - nonmember)

Number of Attendees: 730 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 475 (Groups I: 190; II: 105; III: 81; IV: 100; V: xxx)

Number of Abstracts Accepted: 391 (Groups I: 155; II: 76; III: 64; IV: 96; V: xxx)

Conference Name: 1995 IEEE International Ultrasonics Symposium (IUS)

Web: None

General Chair: Gerald V. Blessing

Technical Program Committee Chair: George A. Alers

Venue: Westin Hotel

Location: Seattle, Washington, USA

Dates: November 7-11, 1995

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1995 IEEE Ultrasonics Symposium Proceedings (336 papers)

Registration Fees: \$300/\$330 (members adv/onsite), \$375/\$400 (non-members), \$25/\$40 (students - member), \$25/\$40 (students - nonmember)

Number of Attendees: 700 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 510 (Groups I: 168; II: 114; III: 114; IV: 114; V: xxx)

Number of Abstracts Accepted: 393 (Groups I: 142; II: 80; III: 92; IV: 79; V: xxx)

Conference Name: 1994 IEEE International Ultrasonics Symposium (IUS)

Web: None

General Co-Chairs: Gerard Quentin and Herman van de Vaart

Technical Program Committee Chair: Bernhard R. Tittmann

Venue: Hotel Martinez

Location: Cannes, France

Dates: November 1-4, 1994

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1994 IEEE Ultrasonics Symposium Proceedings (395 papers)

Registration Fees: \$285/\$315 (members adv/onsite), \$360/\$395 (non-members), \$25/\$40 (students - member), \$25/\$40 (students - nonmember)

Number of Attendees: 628 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 600 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 444 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1993 IEEE Ultrasonics Symposium***Web:** None**General Chair:** Harry L. Salvo, Jr.**Technical Program Committee Chair:** Susan C. Schneider**Venue:** Hyatt Regency Baltimore**Location:** Baltimore, Maryland, USA**Dates:** October 31 - November 3, 1993**Sponsor:** Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)**Proceedings:** IEEE 1993 Ultrasonics Symposium Proceedings (259 papers)**Registration Fees:** \$275/\$305 (members adv/onsite), \$350/\$385 (non-members), \$25/\$40 (students - member), \$25/\$40 (students – nonmember)**Number of Attendees:** 550 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)**Number of Abstracts Submitted:** 400 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)**Number of Abstracts Accepted:** 297 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)**Conference Name: *1992 IEEE Ultrasonics Symposium*****Web:** None**General Chair:** Fred S. Hickernell**Technical Program Committee Chair:** Gary K. Montress**Venue:** Holiday Inn Broadway**Location:** Tucson, Arizona, USA**Dates:** October 20 - 23, 1992**Sponsor:** Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)**Proceedings:** IEEE 1992 Ultrasonics Symposium Proceedings (254 papers)**Registration Fees:** \$275/\$305 (members adv/onsite), \$350/\$385 (non-members), \$25/\$40 (students - member), \$25/\$40 (students – nonmember)**Number of Attendees:** 573 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)**Number of Abstracts Submitted:** 356 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)**Number of Abstracts Accepted:** 290 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)**Conference Name: *1991 IEEE Ultrasonics Symposium*****Web:** None**General Chair:** Donald C. Malocha**Technical Program Committee Chair:** Gary K. Montress**Venue:** Hilton Hotel, Walt Disney World Village**Location:** Lake Buena Vista, Florida, USA**Dates:** December 8 - 11, 1991**Sponsor:** Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)**Proceedings:** IEEE 1991 Ultrasonics Symposium Proceedings (274 papers)**Registration Fees:** \$265/\$295 (members adv/onsite), \$325/\$355 (non-members), \$25/\$40 (students - member), \$25/\$40 (students – nonmember)**Number of Attendees:** 689 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 410 (Groups I: [xxx](#); II: [xxx](#); III: [xxx](#); IV: [xxx](#); V: [xxx](#))

Number of Abstracts Accepted: 315 (Groups I: [xxx](#); II: [xxx](#); III: [xxx](#); IV: [xxx](#); V: [xxx](#))

Conference Name: *1990 IEEE Ultrasonics Symposium*

Web: None

General Co-Chairs: [Moises Levy](#) and [Nobuo Mikoshiba](#)

Technical Program Committee Chair: [Harry L. Salvo, Jr.](#)

Venue: Sheraton Waikiki Hotel

Location: Honolulu, Hawaii, USA

Dates: December 4-7, 1990

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: IEEE 1990 Ultrasonics Symposium Proceedings (332 papers)

Registration Fees: \$255/\$285 (members adv/onsite), \$315/\$345 (non-members), \$25/\$40 (students - member), \$25/\$40 (students - nonmember)

Number of Attendees: 660 (IEEE R1-7 US/Canada: [xxx](#); R8 Europe/Middle East/Africa: [xxx](#); R9 Latin America: [xxx](#); R10 Asia/Pacific: [xxx](#); No Country: [xxx](#))

Number of Abstracts Submitted: 450 (Groups I: [xxx](#); II: [xxx](#); III: [xxx](#); IV: [xxx](#); V: [xxx](#))

Number of Abstracts Accepted: 390 (Groups I: [xxx](#); II: [xxx](#); III: [xxx](#); IV: [xxx](#); V: [xxx](#))

Conference Name: *1989 IEEE Ultrasonics Symposium*

Web: None

General Chair: [Herman van de Vaart](#)

Technical Program Committee Chair: [Gary K. Montress](#)

Venue: Le Grand Hotel

Location: Montreal, Quebec, Canada

Dates: October 3-6, 1989

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: IEEE 1989 Ultrasonics Symposium Proceedings (241 papers)

Registration Fees: \$230/\$260 (members adv/onsite), \$290/\$320 (non-members), \$25/\$40 (students - member), \$25/\$40 (students - nonmember)

Number of Attendees: 543 (IEEE R1-7 US/Canada: [xxx](#); R8 Europe/Middle East/Africa: [xxx](#); R9 Latin America: [xxx](#); R10 Asia/Pacific: [xxx](#); No Country: [xxx](#))

Number of Abstracts Submitted: 352 (Groups I: [99](#); II: [99](#); III: [80](#); IV: [74](#); V: [xxx](#))

Number of Abstracts Accepted: 266 (Groups I: [xxx](#); II: [xxx](#); III: [xxx](#); IV: [xxx](#); V: [xxx](#))

Conference Name: *1988 IEEE Ultrasonics Symposium*

Web: None

General Chair: [W. D. O'Brien, Jr.](#)

Technical Program Committee Chair: [Jan Brown](#)

Venue: McCormick Center Hotel

Location: Chicago, Illinois, USA

Dates: October 2-5, 1988

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: IEEE 1988 Ultrasonics Symposium Proceedings (218 papers)

Registration Fees: \$220/\$250 (members adv/onsite), \$280/\$310 (non-members), \$25/\$40 (students - member), \$25/\$40 (students - nonmember)

Number of Attendees: 440 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 292 (Groups I: 74; II: 85; III: 67; IV: 66; V: xxx)

Number of Abstracts Accepted: 252 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1987 IEEE Ultrasonics Symposium*

Web: None

General Chair: J. S. Heyman

Technical Program Committee Chair: Jan Brown

Venue: Sheraton Denver Tech Center

Location: Denver, Colorado, USA

Dates: October 14-16, 1987

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: IEEE 1987 Ultrasonics Symposium Proceedings (225 papers)

Registration Fees: \$150/\$160 (members adv/onsite), \$180/\$190 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 450 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 308 (Groups I: 69; II: 76; III: 79; IV: 84; V: xxx)

Number of Abstracts Accepted: 230 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1986 IEEE Ultrasonics Symposium*

Web: None

General Chair: R. A. Moore

Technical Program Committee Chair: James G. Miller

Venue: Colonial Williamsburg Conference Center

Location: Williamsburg, Virginia, USA

Dates: November 17-19, 1986

Sponsor: Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC-S), Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: IEEE 1986 Ultrasonics Symposium Proceedings (215 papers)

Registration Fees: \$150/\$160 (members adv/onsite), \$180/\$190 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 495 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 302 (Groups I: 95; II: 65; III: 71; IV: 71; V: xxx)

Number of Abstracts Accepted: 239 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1985 IEEE Ultrasonics Symposium*

Web: None

General Chair: W. R. Shreve

Technical Program Committee Chair: J. D. Larson

Venue: Cathedral Hill Hotel

Location: Van Ness at Geary, San Francisco, California, USA

Dates: October 16-18, 1985

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: IEEE 1985 Ultrasonics Symposium Proceedings (230 papers)

Registration Fees: \$120/\$130 (members adv/onsite), \$150/\$160 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 565 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 314 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 256 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1984 IEEE Ultrasonics Symposium*

Web: None

General Chair: L. T. Claiborne

Technical Program Committee Chair: W. J. Tanski

Venue: Dallas Hilton Hotel

Location: Dallas, Texas, USA

Dates: November 14-16, 1984

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: IEEE 1984 Ultrasonics Symposium Proceedings (211 papers)

Registration Fees: \$100/\$110 (members adv/onsite), \$130/\$140 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 566 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 288 (Groups I: 53; II: 82; III: 85; IV: 68; V: xxx)

Number of Abstracts Accepted: 253 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1983 IEEE Ultrasonics Symposium*

Web: None

General Chair: Moises Levy

Technical Program Committee Chair: Reynold S. Kagiwada

Venue: Atlanta Marriott Hotel

Location: Atlanta, Georgia, USA

Dates: October 31, November 1, 2, 1983

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1983 Ultrasonics Symposium Proceedings (246 papers)

Registration Fees: \$100/\$100 (members adv/onsite), \$130/\$140 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 578 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 300 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 281 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1982 IEEE Ultrasonics Symposium*

Web: None

General Chair: B. R. McAvoy

Technical Program Committee Chair: R. S. Wagers

Venue: Town and Country Hotel

Location: San Diego, California, USA

Dates: October 27-29, 1982

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1982 Ultrasonics Symposium Proceedings (223 papers)

Registration Fees: \$85/\$95 (members adv/onsite), \$115/\$125 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 544 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 308 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 259 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1981 IEEE Ultrasonics Symposium*

Web: None

General Co-Chairs: W. D. O'Brien, Jr. and L. W. Kessler

Technical Program Committee Chair: B. R. McAvoy

Venue: McCormick Inn

Location: Chicago, Illinois, USA

Dates: October 14-16, 1981

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1981 Ultrasonics Symposium Proceedings (205 papers)

Registration Fees: \$83/\$88 (members adv/onsite), \$98/\$103 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 496 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 262 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 244 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1980 IEEE Ultrasonics Symposium*

Web: None

General Chair: R. C. Williamson

Technical Program Committee Chair: Herman van de Vaart

Venue: Boston Park Plaza Hotel

Location: Boston, Massachusetts, USA

Dates: November 5-7, 1980

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1980 Ultrasonics Symposium Proceedings (219 papers)

Registration Fees: \$65/\$75 (members adv/onsite), \$80/\$90 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 555 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 288 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 245 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1979 IEEE Ultrasonics Symposium*

Web: None

General Chair: Richard Stern

Technical Program Committee Chair: George A. Alers

Venue: Monteleone Hotel

Location: New Orleans, Louisiana, USA

Dates: September 26-28, 1979

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1979 Ultrasonics Symposium Proceedings (191 papers)

Registration Fees: \$50/\$55 (members adv/onsite), \$70/\$75 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 403 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 250 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 219 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1978 IEEE Ultrasonics Symposium*

Web: None

General Chair: Frederick S. Welsh

Technical Program Committee Chair: Thomas M. Reeder

Venue: The Cherry Hill Hyatt House

Location: Cherry Hill, New Jersey, USA

Dates: September 25-27, 1978

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1978 Ultrasonics Symposium Proceedings (156 papers)

Registration Fees: \$50/\$55 (members adv/onsite), \$65/\$70 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 395 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 213 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 187 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1977 IEEE Ultrasonics Symposium*

Web: None

General Co-Chairs: F. S. Hickernell and I. Kaufman

Technical Program Committee Chair: T. W. Bristol

Venue: The Towne House

Location: Phoenix, Arizona, USA

Dates: October 26-28, 1977

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1977 Ultrasonics Symposium Proceedings (206 papers)

Registration Fees: \$55/\$55 (members adv/onsite), \$70/\$70 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 452 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 250 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 221 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1976 IEEE Ultrasonics Symposium*

Web: None

General Chair: Lawrence R. Whicker

Technical Program Committee Chair: Paul H. Carr

Venue: Annapolis Hilton Inn

Location: Annapolis, Maryland, USA

Dates: September 29-October 1, 1976

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1976 Ultrasonics Symposium Proceedings (159 papers)

Registration Fees: \$50/\$50 (members adv/onsite), \$65/\$65 (non-members), \$xxx/\$xxx (students - member), \$xxx/\$xxx (students – nonmember)

Number of Attendees: 396 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 208 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 190 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1975 IEEE Ultrasonics Symposium*

Web: None

General Chair: R. Stern

Technical Program Committee Chair: G. A. Alers

Venue: Los Angeles Hilton

Location: Los Angeles, California, USA

Dates: September 22-24, 1975

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1975 Ultrasonics Symposium Proceedings (162 papers)

Registration Fees: \$45/\$45 (members adv/onsite), \$60/\$60 (non-members), \$10/\$10 (students - member), \$10/\$10 (students – nonmember)

Number of Attendees: 384 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 207 (Groups I: 27; II: 21; III: 38; IV: 121; V: xxx)

Number of Abstracts Accepted: 189 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1974 IEEE Ultrasonics Symposium*

Web: None

General Chair: M. Levy

Technical Program Committee Chair: L. W. Kessler

Venue: Pfister Hotel

Location: Milwaukee, Wisconsin, USA

Dates: November 11-14, 1974

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1974 Ultrasonics Symposium Proceedings (173 papers)

Registration Fees: \$xxx/\$xxx (members adv/onsite), \$xxx/\$xxx (non-members), \$xxx/\$xxx (students - member), \$xxx/\$xxx (students – nonmember) – **Not Available**

Number of Attendees: 413 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 260 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 195 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1973 IEEE Ultrasonics Symposium*

Web: None

General Chair: J. R. Neighbours

Technical Program Committee Chair: J. De Klerk

Venue: Naval Postgraduate School

Location: Monterey, California, USA

Dates: November 5-7, 1973

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1973 Ultrasonics Symposium Proceedings (138 papers)

Registration Fees: \$xxx/\$xxx (members adv/onsite), \$xxx/\$xxx (non-members), \$xxx/\$xxx (students - member), \$xxx/\$xxx (students – nonmember) – **Not Available**

Number of Attendees: 399 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 161 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1972 IEEE Ultrasonics Symposium*

Web: None

General Chair: M. G. Holland

Technical Program Committee Chair: L. T. Claiborne

Venue: Statler Hilton Hotel

Location: Boston, Massachusetts, USA

Dates: October 4-7, 1972

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1972 Ultrasonics Symposium Proceedings (114 papers)

Registration Fees: \$27/\$27 (members adv/onsite), \$42/\$42 (non-members), \$5/\$5 (students - member), \$5/\$5 (students – nonmember)

Number of Attendees: 340 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 155 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1971 IEEE Ultrasonics Symposium*

Web: None

General Chair: John, E. May, Jr.

Technical Program Committee Chair: H. Matthews

Venue: Carillon Hotel

Location: Miami Beach, Florida, USA

Dates: December 6-8, 1971

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$20/\$20 (members adv/onsite), \$35/\$35 (non-members), \$5/\$5 (students - member), \$5/\$5 (students – nonmember)

Number of Attendees: 329 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 172 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1970 IEEE Ultrasonics Symposium*

Web: None

General Chair: A. J. Bahr

Technical Program Committee Chair: W. J. Spencer

Venue: Jack Tar Hotel

Location: San Francisco, California, USA

Dates: October 21-23, 1970

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: 1970 Ultrasonics Symposium Proceedings (11 papers, invited only)

Registration Fees: \$20/\$20 (members adv/onsite), \$25/\$25 (non-members), \$5/\$5 (students - member), \$5/\$5 (students – nonmember)

Number of Attendees: 312 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 150 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 130 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1969 IEEE Ultrasonics Symposium*

Web: None

General Chair: D. I. Bolef

Technical Program Committee Chair: C. K. Jane

Venue: Chase Park Plaza Hotel

Location: St. Louis, Missouri, USA

Dates: September 24-26, 1969

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$15/\$15 (members adv/onsite), \$20/\$20 (non-members), \$5/\$5 (students - member), \$5/\$5 (students – nonmember)

Number of Attendees: 340 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 102 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 101 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1968 IEEE Ultrasonics Symposium*

Web: None

General Chair: F. M. Smits

Technical Program Committee Chair: R. W. Damon

Venue: Statler Hilton Hotel

Location: New York City, New York, USA

Dates: September 25-27, 1968

Sponsor: Group on Sonics and Ultrasonics, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$15/\$15 (members adv/onsite), \$20/\$20 (non-members), \$3/\$3 (students - member), \$3/\$3 (students – nonmember)

Number of Attendees: 424 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 117 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 112 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1967 IEEE Symposium on Sonics and Ultrasonics*

Web: None

General Chair: Robert W. Moss

Technical Program Committee Chair: B. A. Auld

Venue: Bayshore Inn

Location: Vancouver, Canada.

Dates: October 4-6, 1967

Sponsor: Sonics and Ultrasonics Group, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$12/\$12 (members adv/onsite), \$15/\$12 (non-members), \$2/\$2 (students - member), \$2/\$2 (students – nonmember)

Number of Attendees: 276 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 116 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 106 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1966 Ultrasonics Symposium*

Web: None

General Chair: Hans Jaffe

Technical Program Committee Chair: Norman S. Shiren

Venue: Statler Hilton Hotel

Location: Cleveland, Ohio, USA

Dates: October 12-14, 1966

Sponsor: Sonics and Ultrasonics Group, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$10/\$12 (members adv/onsite), \$12/\$14 (non-members), \$2/\$2 (students - member), \$2/\$2 (students – nonmember)

Registration Fees: \$3/\$3 (members adv/onsite), \$3/\$3 (non-members), \$2/\$2 (students - member), \$2/\$2 (students – nonmember)

Number of Attendees: 303 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 102 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1965 Ultrasonics Symposium*

Web: None

General Chair: David L. Arenberg

Technical Program Committee Chair: John H. Rowen

Venue: Sheraton-Boston Hotel

Location: Boston, Massachusetts, USA

Dates: December 1-4, 1965

Sponsor: Sonics and Ultrasonics Group, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$10/\$10 (members adv/onsite), \$10/\$10 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 285 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 99 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1964 Symposium on Sonics and Ultrasonics*

Web: None

General Chair: Robert I. Rod

Technical Program Committee Chair: Allen H. Meitzler

Venue: Miramar Hotel

Location: Santo Monica, California, USA

Dates: October 14-16, 1964

Sponsor: Sonics and Ultrasonics Group, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$10/\$10 (members adv/onsite), \$10/\$10 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 200 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 58 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1963 Ultrasonics Symposium*

Web: None

General Chair: Allen H. Meitzler

Technical Program Committee Chair: Thrygve R. Meeker

Venue: Marriott Motor Hotel

Location: Twin Bridges, Washington, D.C., USA

Dates: December 4-6, 1963

Sponsor: Professional Technical Group on Ultrasonics Engineering, Institute of Electrical and Electronics Engineers (IEEE)

Proceedings: None

Registration Fees: \$7/\$7 (members adv/onsite), \$7/\$7 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 215 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 36 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1962 Ultrasonics Symposium* – This is the first annual conference

Web: None

General Chair: J. E. May, Jr.

Technical Program Committee Chair: R. N. Thurston

Venue: Horace Mann Auditorium

Location: New York City, New York, USA

Dates: November 28-30, 1962

Sponsor: Professional Group on Ultrasonics Engineering, Institute of Radio Engineers

Proceedings: None

Registration Fees: \$3/\$3 (members adv/onsite), \$3/\$3 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 292 (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: xxx (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 38 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Conference Name: *1959 National Ultrasonics Symposium* – A one-day conference

Web: None

General Chair: Vincent Salmon

Technical Program Committee Chair: Unknown

Venue: Stanford University

Location: Stanford, California, USA

Dates: August 17, 1959

Sponsor: Professional Group on Ultrasonics Engineering, Institute of Radio Engineers

Proceedings: None

Registration Fees: \$3/\$3 (members adv/onsite), \$3/\$3 (non-members), \$0/\$0 (students - member), \$0/\$0 (students – nonmember)

Number of Attendees: 50 (See P.3 of Newsletter, No.45, September 1978; 15 papers were presented.) (IEEE R1-7 US/Canada: xxx; R8 Europe/Middle East/Africa: xxx; R9 Latin America: xxx; R10 Asia/Pacific: xxx; No Country: xxx)

Number of Abstracts Submitted: 15 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Number of Abstracts Accepted: 15 (Groups I: xxx; II: xxx; III: xxx; IV: xxx; V: xxx)

Appendix B. Print Conference Registration Form

Appendix B:

Print Conference Registration Form



2008 IEEE International Ultrasonics Symposium Beijing, China, 2-5 November, 2008



Registration Form

(Including Short Courses & Tutorials) - http://ewh.ieee.org/conf/ius_2008/

(This form and payment must be **received** on or before **12 September, 2008** EST to qualify for discount registration rates.)

REGISTRATION INFORMATION – Please print all information clearly. This information will also be used to send the Proceedings DVD, please ensure the accuracy of the mailing address.



The Great Wall

Last (Family) Name: First (Given) Name: Vegetarian - ☐

E-Mail: (Required. Confirmations are sent via email):

Company or Institution:

Street:

City: State/Province:

Country: Zip/Postal Code:

Telephone: Fax:

MEMBERSHIP – A valid membership number is required to receive the member rates.

Member of (check all that apply): ☐ - IEEE ☐ - UFFC If a box is checked, indicate **IEEE MembershipNumber**:

SYMPOSIUM REGISTRATION

Registration fee includes DVD proceedings only*	By 12 Sept.	After 12 Sept.	Quantity	Subtotal
IEEE Member	<input type="checkbox"/> \$600	<input type="checkbox"/> \$700		\$ <input type="text"/>
Non-IEEE Member	<input type="checkbox"/> \$750	<input type="checkbox"/> \$850		\$ <input type="text"/>
Student (Show current student ID at Conference)	<input type="checkbox"/> \$150	<input type="checkbox"/> \$150		\$ <input type="text"/>
Retiree	<input type="checkbox"/> \$150	<input type="checkbox"/> \$150		\$ <input type="text"/>
One-Day Registration (without DVD Proceedings)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350, <input type="checkbox"/> Nov. 3, <input type="checkbox"/> Nov. 4, <input type="checkbox"/> Nov. 5		\$ <input type="text"/>
Life IEEE Member (Show Life Card at Conference)	<input type="checkbox"/> \$0	<input type="checkbox"/> \$0		\$ <input type="text"/>
Additional DVD Proceedings	<input type="checkbox"/> \$75	<input type="checkbox"/> \$75	<input type="text"/>	\$ <input type="text"/>

Note: Registration includes **Monday lunch**, **Monday evening buffet dinner**, and **Tuesday dinner/show**.

One-Day Registration includes event tickets for the day of registration only.

* A printed version of the Proceedings will only be available by ordering directly from the IEEE after the Symposium.

SHORT COURSE REGISTRATION

Registration Fee per Course

Member/Non-member/Life-Member/One-Day: \$150/each
Student/Retiree: \$ 50/each

Sunday 8:00 a.m. – 12:00 noon:

1A. Medical Ultrasound Transducers
(Douglas G. Wildes and L. Scott Smith) \$

2A. Ultrasound Imaging System
(Kai E. Thomenius) \$

3A. Photoacoustic Imaging and Sensing
(Stanislav Emelianov) \$

4A. Tissue Motion and Blood Velocity
(Hans Torp and Lasse Løvstakke) \$

Sunday 1:00 p.m. – 5:00 p.m.:

1B. Ultrasound Elastography
(Jeffrey Bamber and Paul Barbone) \$

2B. Acoustic Microscopy
(R Maev, N Hozumi, K Kobayashi, Y Saijo) \$

3B. Therapeutic Ultrasound
(Lawrence A. Crum) \$

4B. SAW Modeling Techniques
(Victor P. Plessky) \$

Sunday 6:00 p.m. – 10:00 p.m.:

1C. Ultrasound Contrast Agents
(Nico de Jong and Michel Versluis) \$

2C. CMUTs
(BT Khuri-Yakub, O. Oralkan, and M Kupnik) \$

3C. Time Reversal Acoustics
(Mathias Fink) \$

4C. Acoustical Near-Field Imaging
(Walter Arnold) \$

GUEST REGISTRATION (does not include DVD proceedings) – *Only ages 10 or older need register*

Last (Family) Name: First (Given) Name: Vegetarian - ☐
Last (Family) Name: First (Given) Name: Vegetarian - ☐
Last (Family) Name: First (Given) Name: Vegetarian - ☐

	Quantity	Subtotal
Guest Registration Fee:	<input type="checkbox"/> \$75 / Each <input type="text"/>	\$ <input type="text"/>

Notes:

- (1) Guest registration includes **three guest breakfasts, Monday lunch, Monday evening buffet dinner, Tuesday night dinner/shows**. Guests are **NOT** allowed to attend any technical sessions except for the Monday morning plenary session.
- (2) If guests are interested in Beijing local tours, please register separately via the 2008 IEEE International Ultrasonics Symposium website at: http://ewh.ieee.org/conf/ius_2008/. China tours are also available from the web.

Total of All Charges Above: \$ **0**

SOCIAL EVENTS

There will be three social events included in the conference registration this year: **Monday lunch (3 November, 2008), Monday evening buffet dinner (3 November, 2008), and Tuesday evening dinner/shows (4 November, 2008)**. Tickets to these events will be issued at registration desk for Symposium and guest registrants.

PAYMENT

Total Payment Enclosed: \$

Off-Site Registration: The remittance is payable in **US Dollars** only, personal or company checks drawn on a US Bank, money orders, VISA, MASTERCARD, or AMERICAN EXPRESS CARD. Bank drafts, purchase orders, and foreign currency will not be accepted. The remittance must accompany this form. To pay by check or money order, make a single check or money order (\$US only) payable to the 2008 IEEE International Ultrasonics Symposium. This form and payment must be **received** by **12 September, 2008** to receive a reduced rate. For registration by **regular mail** or **fax**, the registration form has to be **received** by **17 October, 2008**. Otherwise your registration may not be valid unless you register on-site. If you pay **online** by one of the three types of credit cards above, you may register anytime before **5 November, 2008** (must register by 12 September, 2008 for a reduced rate).

On-Site Registration: Registration fee can be paid in Chinese Yuans (RMB) at the then prevailing exchange rates to the registration desk at the conference site, or by a Visa, MasterCard, or American Express via on-line kiosks (computers) at the conference site.

Please select your method of payment:	Charges to your credit card will appear as: 2008 IEEE IUS
<input type="checkbox"/> -Visa <input type="checkbox"/> -MasterCard <input type="checkbox"/> -American Express <input type="checkbox"/> -Check	Expiration Date: <input type="text"/>
Name On Card: <input type="text"/>	Card Number: <input type="text"/>
Card Security Code (CSV): <input type="text"/>	Billing Street Address: <input type="text"/>
Signature: <input type="text"/>	Billing Zip/Postal Code: <input type="text"/>

Mail (for off-site registration): Mail completed form and payment to: 2008 IEEE International Ultrasonics Symposium C/O YesEvents P.O. Box 32862 Baltimore, Maryland USA 21282	Fax (for off-site registration): Fax registration form (credit card payment only) to: 1-410-559-2217 (Fax)
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Do not submit this form by both mail and fax.

Appendix C. Meeting Schedule

Appendix C:

Meeting Schedule

First Version: 6/26/2007: (Mdfied September 10, 2008)

Meeting Schedule - Final Version of Actual Room and A/V Usages

2008 IEEE International Ultrasonics Symposium (IUS) (November 1-5, 2008)

Contact: Dr. Jian-yu Lu, General Chair

Red Color - Pay attention to
Blue Color - Committee meetings and social events

Total A/V Usage: xxxxx/unit A/V: Yes(1) 48 (time units) (1) "A/V: Yes(1)" - means 1 computer LCD projector, 1 laser pointer, 1 wireless microphone, 1 mobile source
(%8 increase) xxxxx/unit A/V: Yes(2) 1 (time units) (2) "A/V: Yes(2)" - The same as "A/V: Yes(1)" except that 2 computer LCD projectors are needed because
xxxxx/unit A/V: Yes(3) 8 (time units) (3) "A/V: Yes(3)" - means 1 computer LCD projector (1 screen included), 1 laser pointer.
xxxxx/unit A/V: Yes(4) 9 (time units) (4) "A/V: Yes(4)" - means 1 computer LCD projector (1 screen included), 2 slide projectors.

Note on A/V: We exchange two slide projectors with 1 computer LCD projector

Saturday, 11/1/2008	Start	End	Room	Function	Set Up	A/V	Comments
Jackie Hines	5:30 PM	9:30 PM	#311A (old 16A) - Room is free because of meal -> #307	Ultrasonics Committee (20 persons)	Long Tables in U-Shape	A/V: Yes(3)	Working buffet dinner (self services)
Gerry Blessing	1:00 PM	5:30 PM	#311B (old 16B) - RMB xxxxx -> #302A	Constitutions and Bylaws (8 persons)	Long Tables in U-Shape	A/V: Yes(3)	No Meal
CICCST	2:00 PM	5:00 PM	#310 (old 15) - RMB xxxxx	Speaker Ready Room - for Short Courses		A/V: Yes(4)	See TABLE I (2)L of our contract for requirements (Appendix A)
CICCST	6:00 PM	9:00 PM	Foyer of 2nd Floor (use only 800 m2) - RMB xxxxx/m2/day - Price may need to be reduced since we only use in the evening	Registration	CICCST Set Up 6 Registration Counters and 4 Long Tables		With 4 or more (10 would be better during busy hours) dedicated computers for attendees to enter personal data
Sunday, 11/2/2008	Start	End	Room	Function	Set Up	A/V	Comments
Dan Stevens	7:30 AM	8:30 AM	#305C (old 10) - Room is free because of meal	AdCom Breakfast (40 persons)	Long Tables in U-Shape		Continental Breakfast (self service)
Dan Stevens	8:30 AM	12:00 Noon	#305C (old 10) - RMB xxxxx	AdCom Meeting (40 persons)	Long Tables in U-Shape	A/V: Yes(3)	Water and Juices
Dan Stevens	1:00 PM	3:00 PM	#305C (old 10) - RMB xxxxx	AdCom Meeting (40 persons)	Long Tables in U-Shape	A/V: Yes(3)	Water and Juices
Dan Stevens	12:00 Noon	1:00 PM	#302 (old 14) - Room is free because of meal	AdCom Lunch (40 persons)	Round Tables		Working buffet lunch with tables (self services)
CICCST	3:30 PM	10:00 PM	Summer Palace - RMB xxxxx per person (price including all except boats)	AdCom/TPC Art/Boating/Dinner/Show (150 persons) - Buses should leave at 3:30 PM			Bus Transportation, Art Corridor, Boats, Dinner, and Shows - Boat price to be found
CICCST and Mark Schafer	1:00 PM (3:00 PM)	5:00 PM (5:00 PM)	Foyer of 2nd Floor (800 m2 + 400 m2 = 1200 m2) - RMB xxxxx/m2/day - Price may need to be reduced since we only use the 400 m2 part in the afternoon (see Registration below)	Poster Setup from 1:00 PM - 5:00 PM; Exhibition Setup from 1:00 PM - 5:00 PM; Open Bar Will Be from 3:00 PM - 5:00 PM (40 persons)	Open Bar from 3:00 PM - 5:00 PM		Small amount of free wines, beers, and soft drink only for open bar.
CICCST	7:00 AM	7:00 PM	Foyer of 2nd Floor (use only 800 m2) - No charge because this is the same area as the exhibition setup above	Registration	CICCST Set Up 6 Registration Counters and 4 Long Tables		With 4 or more (10 would be better during busy hours) dedicated computers for attendees to enter personal data
CICCST	1:00 PM	5:00 PM	Foyers of 3rd Floor (700 m2) - RMB xxxxx/m2/day	Poster Board Setup			Need to be in the afternoon since another party will use it in the morning.

CICCST	2:00 PM	24 Hour Locked	#302 (old 14) - RMB xxxxx - Items are locked inside after afternoon use	Exhibitor Valuable Item Storage Lock Room			For exhibitors to put their valuables after exhibition hours
CICCST	7:30 AM	12:00 Noon	#310 (old 15) - RMB xxxxx	Speaker Ready Room		A/V: Yes(4)	See TABLE I (2)L of our contract for requirements (Appendix A)
CICCST	1:00 PM	5:00 PM	#310 (old 15) - RMB xxxxx	Speaker Ready Room		A/V: Yes(4)	See TABLE I (2)L of our contract for requirements (Appendix A)
Roman Maev	8:00 AM	12:00 PM	#311A and #311B (old 16A and 16B) - RMB xxxxx	Short Course 1A	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	8:00 AM	12:00 PM	#307 (old 3) - RMB xxxxx	Short Course 2A	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	8:00 AM	12:00 PM	#308 (old 4) - RMB xxxxx	Short Course 3A	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	8:00 AM	12:00 PM	#311C (old 16C) - RMB xxxxx	Short Course 4A	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	10:00 AM	10:20 AM	Foyer of 3rd Floor - No charge because this is the same area as the poster setup above	Short Course Break	Stations		
Roman Maev	1:00 PM	5:00 PM	#311A and #311B (old 16A and 16B) - RMB xxxxx	Short Course 1B	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	1:00 PM	5:00 PM	#307 (old 3) - RMB xxxxx	Short Course 2B	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	1:00 PM	5:00 PM	#308 (old 4) - RMB xxxxx	Short Course 3B	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	1:00 PM	5:00 PM	#311C (old 16C) - RMB xxxxx	Short Course 4B	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	3:00 PM	3:20 PM	Foyer of 3rd Floor - No charge because this is the same area as the poster setup above	Short Course Break	Stations		
Roman Maev	6:00 PM	10:00 PM	#311A and #311B (old 16A and 16B) - RMB xxxxx	Short Course 1C	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	6:00 PM	10:00 PM	#307 (old 3) - RMB xxxxx	Short Course 2C	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	6:00 PM	10:00 PM	#308 (old 4) - RMB xxxxx	Short Course 3C	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	6:00 PM	10:00 PM	#311C (old 16C) - RMB xxxxx	Short Course 4C	Classroom with long tables and chairs	A/V: Yes(1)	
Roman Maev	8:00 PM	8:20 PM	Foyer of 3rd Floor - No charge because this is the same area as the poster setup above	Short Course Break	Stations		

Monday, 11/3/2008	Start	End	Room	Function	Set Up	A/V	Comments
Li Lin (may need to change to someone else)	6:30:00 AM -> 7:20 AM	8:00:00 AM -> 9:00 AM	#311A+#311B (old 16A+16B) - Room is free because of meal	Guest Breakfast (70 persons)	Round Tables		Continental Breakfast (Self Service) - The starting time has to be early because the Plenary Session starts at 8:00 a.m.
Helmut Erment	12:00 PM	2:00 PM	#311A (old 16A) - Room is free because of meal	Awards Luncheon (20 persons)	Round Tables		Working buffet lunch with tables (self services)
Susan McKinstry	5:30 PM	6:30 PM	#311A+#311B (old 16A+16B) - Room is free because it is used for bars for 1 hour	Presidential Reception for TPC and Organizing Committee (100 persons)	Open bars and 1 microphone		Soft drinks and wine services only (open bar) - Buffet dinner for all attendees will start at 6:30 PM in Convention Hall No. 1 and thus no need for food. -> RMB xxxxx/each.
CICCST	12:00 PM	2:00 PM	Hall #1 (old #1) - Room is free because of meal	Sit-down Working Buffet Lunch (including free bucket ice water and soft drinks on tables) (about 1000 persons)	Working buffet lunch with about 110 round tables and buffet stations	Background light music that is not too loud	Cash bar for wines and beers should be available
CICCST	6:30 PM	10:00 PM	Hall #1 (old #1) - Room is free because of meal	Buffet Dinner Party (including free bucket ice water on the table) with decorations on tables, inner room, and room entrances (about 1000 persons)	Formal buffet dinner with about 50 smaller but taller tables (4 seats) and music	Background light music that is not too loud (participants could dance on the lighted stage) and 2 microphones	Cash bar for wines and beers should be available (two free drinks for each participant with tickets)
Mark Schafer	8:00 AM	5:00 PM	Foyer of 2nd Floor (1200 m2) - RMB xxxxx/m2/day	Exhibits			
CICCST	7:00 AM	6:00 PM	Foyer of 2nd Floor - No charge because this is the same area as the exhibits above	Registration	CICCST Set Up 6 Registration Counters and 4 Long Tables		With 4 or more (10 would be better during busy hours) dedicated computers for attendees to enter personal data
CICCST	24 Hours	24 Hours	Foyers of both 2nd and 3rd Floors	Wireless Internet			Put transmitters in both 2nd and 3rd floor foyer areas
CICCST	8:00 AM	12:00 Noon	#303 (old 13) - RMB xxxxx	Wireless Internet and Ethernet			See TABLE II B3 of contract for equipment details (Appendix A)
CICCST	1:00 PM	5:00 PM	#303 (old 13) - RMB xxxxx	Wireless Internet and Ethernet			See TABLE II B3 of contract for equipment details (Appendix A)
CICCST	8:00 AM - 12:00 Noon and 1:00 PM - 5:00 PM	24 Hour Locked	#302 (old 14) - RMB xxxxx x 2 = xxxxx - Items are locked inside after morning and afternoon use	Exhibitor Valuable Item Storage Lock Room			For exhibitors to put their valuables after exhibition hours
CICCST	7:30 AM	5:00 PM	#310 (old 15) - RMB xxxxx x 2 = xxxxx	Speaker Ready Room		A/V: Yes(4) - double charges	See TABLE I (2)L of our contract for requirements (Appendix A)
Lu and CICCST	8:00 AM	10:00 AM	Hall #1 (old #1) - RMB xxxxx	Plenary Session	Theater	A/V: Yes(2)	See Contract for Details of A/V and Photography Needs
CICCST	10:00 AM	10:30 AM	Foyer of both 2nd and 3rd Floors - No charge because this is the same area as the poster and exhibits	Refreshment (Coffee, Juices, Fruit, and Cakes)	Stations		Stations arranged to reduce crowding in both 2nd and 3rd floor foyers
Keith Wear	10:30 AM	12:00 Noon	Hall #3 (old 2) - RMB xxxxx	Parallel Oral Session 1A	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 Noon	#201A+#201B+#201C (old 6+7+8) - RMB xxxxx	Parallel Oral Session 2A	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room

Keith Wear	10:30 AM	12:00 Noon	Hall #5A (old Exh Hall #5) - RMB xxxxx	Parallel Oral Session 3A	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 Noon	Hall #5B (old Exh Hall #5) - RMB xxxxx	Parallel Oral Session 4A	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 Noon	Hall #5C (old Exh Hall #5) - RMB xxxxx	Parallel Oral Session 5A	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 Noon	#307 (old 3) - RMB xxxxx	Parallel Oral Session 6A	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #3 (old 2) - RMB xxxxx	Parallel Oral Session 1B	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	#201A+#201B+#201C (old 6+7+8) - RMB xxxxx	Parallel Oral Session 2B	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #5A (old Exh Hall #5) - RMB xxxxx	Parallel Oral Session 3B	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #5B (old Exh Hall #5) - RMB xxxxx	Parallel Oral Session 4B	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #5C (old Exh Hall #5) - RMB xxxxx	Parallel Oral Session 5B	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	#307 (old 3) - RMB xxxxx	Parallel Oral Session 6B	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
CICCST	3:00 PM	4:30 PM	Foyers of both 2nd and 3rd Floors - No charge for the 2nd floor because this is the same area as the exhibits; RMB xxxxx/m2/day for 3rd floor posters (700 m2)	Refreshment (Coffee, Juices, Fruit, and Cakes) & First-Day Poster Session (Posters are up from 8:00 AM - 6:30 PM)	Stations		Stations arranged to reduce crowding in both 2nd and 3rd floor foyers
Keith Wear	4:30 PM	6:00 PM	Hall #3 (old 2) - No charge because it is part of the afternoon room use	Parallel Oral Session 1C	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	#201A+#201B+#201C (old 6+7+8) - No charge because it is part of the afternoon room use	Parallel Oral Session 2C	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #5A (old Exh Hall #5) - No charge because it is part of the afternoon room use	Parallel Oral Session 3C	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #5B (old Exh Hall #5) - No charge because it is part of the afternoon room use	Parallel Oral Session 4C	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #5C (old Exh Hall #5) - No charge because it is part of the afternoon room use	Parallel Oral Session 5C	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	#307 (old 3) - No charge because it is part of the afternoon room use	Parallel Oral Session 6C	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Tuesday 11/4/2008	Start	End	Room	Function	Set Up	A/V	Comments
Li Lin	7:30 AM	9:00 AM	#307 (old 3) - Room is free because of meal	Guest Breakfast (70 persons)	Round Tables		Continental Breakfast (self service)
Susan McKinstry	7:30 AM	9:00 AM	#311B+#311C (old 16B+16C) - Room is free because of meal	Student Networking Breakfast (120 persons)	Round Tables	1 Microphone	Continental Breakfast (self service)

Marj Yuhas	12:00 PM	2:00 PM	#311A (old 16A) - Room is free because of meal	Associate Editors Luncheon (35 persons)	Round Tables	A/V: Yes(3)	Working buffet lunch with tables (self services)
Tom Shrout	12:00 PM	2:00 PM	#311B (old 16B) - Room is free because of meal	Ferroelectrics Committee Meeting (15 persons)	Round Tables	A/V: Yes(3)	Working buffet lunch with tables (self services)
Kirk Wallace	12:00 PM	2:00 PM	#311C (old 16C) - Room is free because of meal	Ultrasonics Web Committee (15 persons)	Round Tables	A/V: Yes(3)	Working buffet lunch with tables (self services)
CICCST	6:30 PM	10:00 PM	Hall #1 (old #1) - Room is free because of meal	Formal Banquet Dinner and Shows (including free bucket ice water, soft drinks, and beers on tables) with decorations on tables, inner room, and room entrances (about 1000 persons)	Round Tables		See TABLE II C2 (Appendix A) and amendments of our contract, plus our phone discussions for details, such as decorations of Hall #1
Mark Schafer	8:00 AM	5:00 PM	Foyer of 2nd Floor (1200 m2) - RMB xxxxx/m2/day	Exhibits			
CICCST	7:00 AM	5:30 PM	Foyer of 2nd Floor - No charge because this is the same area as the exhibits above	Registration	CICCST Set Up 6 Registration Counters and 4 Long Tables		With 4 or more (10 would be better during busy hours) dedicated computers for attendees to enter personal data
CICCST	24 Hours	24 Hours	Foyers of both 2nd and 3rd Floors	Wireless Internet			Put transmitters in both 2nd and 3rd floor foyer areas
CICCST	8:00 AM	12:00 Noon	#303 (old 13) - RMB xxxxx	Wireless Internet and Ethernet			See TABLE II B3 of contract for equipment details (Appendix A)
CICCST	1:00 PM	5:00 PM	#303 (old 13) - RMB xxxxx	Wireless Internet and Ethernet			See TABLE II B3 of contract for equipment details (Appendix A)
CICCST	8:00 AM - 12:00 Noon and 1:00 PM - 5:00 PM	24 Hour Locked	#302 (old 14) - RMB xxxxx x 2 = xxxxx - Items are locked inside after morning and afternoon use	Exhibitor Valuable Item Storage Lock Room			For exhibitors to put their valuables after exhibition hours
CICCST	7:30 AM	5:00 PM	#310 (old 15) - RMB xxxxx x 2 = xxxxx	Speaker Ready Room		A/V: Yes(4) - double charges	See TABLE I (2)L of our contract for requirements (Appendix A)
Keith Wear	8:30 AM	10:00 AM	Hall #3 (old 2) - RMB xxxxx	Parallel Oral Session 1D	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	#201A+#201B+#201C (old 6+7+8) - RMB xxxxx	Parallel Oral Session 2D	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	#305A+#305B+#305C (old 10+11+12) - RMB xxxxx	Parallel Oral Session 3D	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	Hall #2A (old 17A) - RMB xxxxx	Parallel Oral Session 4D	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	Hall #2B+#2D (old 17B) - RMB xxxxx	Parallel Oral Session 5D	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	Hall #2C+#2E (old 17C) - RMB xxxxx	Parallel Oral Session 6D	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
CICCST	10:00 AM	10:30 AM	Foyer of both 2nd and 3rd Floors - No charge because this is the same area as the poster and exhibits	Refreshment (Coffee, Juices, Fruit, and Cakes)	Stations		Stations arranged to reduce crowding in both 2nd and 3rd floor foyers
Keith Wear	10:30 AM	12:00 PM	Hall #3 (old 2) - No charge because it is part of the morning room use	Parallel Oral Session 1E	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	#201A+#201B+#201C (old 6+7+8) - No charge because it is part of the morning room use	Parallel Oral Session 2E	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room

Keith Wear	10:30 AM	12:00 PM	#305A+#305B+#305C (old 10+11+12) - No charge because it is part of the morning room use	Parallel Oral Session 3E	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	Hall #2A (old 17A) - No charge because it is part of the morning room use	Parallel Oral Session 4E	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	Hall #2B+#2D (old 17B) - No charge because it is part of the morning room use	Parallel Oral Session 5E	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	Hall #2C+#2E (old 17C) - No charge because it is part of the morning room use	Parallel Oral Session 6E	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #3 (old 2) - RMB xxxxx	Parallel Oral Session 1F	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	#201A+#201B+#201C (old 6+7+8) - RMB xxxxx	Parallel Oral Session 2F	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	#305A+#305B+#305C (old 10+11+12) - RMB xxxxx	Parallel Oral Session 3F	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #2A (old 17A) - RMB xxxxx	Parallel Oral Session 4F	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #2B+#2D (old 17B) - RMB xxxxx	Parallel Oral Session 5F	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #2C+#2E (old 17C) - RMB xxxxx	Parallel Oral Session 6F	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
CICCST	3:00 PM	4:30 PM	Foyers of both 2nd and 3rd Floors - No charge for the 2nd floor because this is the same area as the exhibits; RMB xxxxx/m2/day for 3rd floor posters (700 m2)	Refreshment (Coffee, Juices, Fruit, and Cakes) & Second-Day Poster Session (Posters are up from 8:00 AM - 6:30 PM)	Stations		Stations arranged to reduce crowding in both 2nd and 3rd floor foyers
Keith Wear	4:30 PM	6:00 PM	Hall #3 (old 2) - No charge because it is part of the afternoon room use	Parallel Oral Session 1G	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	#201A+#201B+#201C (old 6+7+8) - No charge because it is part of the afternoon room use	Parallel Oral Session 2G	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	#305A+#305B+#305C (old 10+11+12) - No charge because it is part of the afternoon room use	Parallel Oral Session 3G	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #2A (old 17A) - No charge because it is part of the afternoon room use	Parallel Oral Session 4G	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #2B+#2D (old 17B) - No charge because it is part of the afternoon room use	Parallel Oral Session 5G	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #2C+#2E (old 17C) - No charge because it is part of the afternoon room use	Parallel Oral Session 6G	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Wednesday, 11/5/2008	Start	End	Room	Function	Set Up	A/V	Comments

Li Lin	7:30 AM	9:00 AM	#311A+#311B (old 16A+16B) - Room is free because of meal	Guest Breakfast (70 persons)	Round Tables		Continental Breakfast (Self Service)
Mark Schafer	7:00:00 AM -> 7:10 AM	8:00 AM	#311C (old 16C) - Room is free because of meal	Exhibitors Breakfast (40 persons)	Round Tables		Continental Breakfast (Self Service) - The starting time has to be early because the exhibits start at 8:00 a.m.
Lu and Pappalado	12:00 Noon	2:00 PM	#311A (old 16A) - Room is free because of meal	Pass the Baton Lunch (20 persons)	Long Tables in U-Shape		Working buffet lunch with tables (self services)
TBD (Jan, Susan)	12:00 Noon	2:00 PM	#311B (old 16B) - Room is free because of meal	Women in Engineering (40 persons)	Round Tables		Working buffet lunch with tables (self services)
Don Yuhas	6:00 PM	7:00 PM	Foyer of 3rd Floor and Rooms #311A+#311B (old 16A+16B) - Room is free because of meal	1st TPC of 2009 Reception: General Session (80)	Round Tables	A/V: Yes(3)	Working buffet dinner with tables (self services) in 3rd-Floor Foyer of BICC but with Eating Tables in Room #16A+#16B
Don Yuhas	7:00 PM	8:30 PM	#311A+#311B (old 16A+16B) - Room is free because this is part of evening room usage	1st TPC of 2009: Groups 1, 2, and 3	Round Tables		
Don Yuhas	7:00 PM	8:30 PM	#311C (old 16C) - RMB xxxxx	1st TPC of 2009: Groups 4 and 5	Theater		
Mark Schafer	8:00 AM	12:00 Noon	Foyer of 2nd Floor (1200 m2) - RMB xxxxx/m2/day	Exhibits			
CICCST	7:00 AM	1:00 PM	Foyer of 2nd Floor - No charge because this is the same area as the exhibits above	Registration	CICCST Set Up 6 Registration Counters and 4 Long Tables		# of computers for attendees can be reduced accordingly, such as two
CICCST	24 Hours	7:00 PM	Foyers of both 2nd and 3rd Floors	Wireless Internet			Put transmitters in both 2nd and 3rd floor foyer areas
CICCST	8:00 AM	12:00 Noon	#303 (old 13) - RMB xxxxx	Wireless Internet and Ethernet			See TABLE II B3 of contract for equipment details (Appendix A)
CICCST	1:00 PM	5:00 PM	#303 (old 13) - RMB xxxxx	Wireless Internet and Ethernet			See TABLE II B3 of contract for equipment details (Appendix A)
CICCST	8:00 AM	12:00 Noon	#302 (old 14) - RMB xxxxx - Items are locked inside in the morning	Exhibitor Valuable Item Storage Lock Room			For exhibitors to put their valuables after exhibition hours
CICCST	7:30 AM	5:00 PM	#310 (old 15) - RMB xxxxx x 2 = xxxxx	Speaker Ready Room		A/V: Yes(4) - double charges	See TABLE I (2)L of our contract for requirements (Appendix A)
Keith Wear	8:30 AM	10:00 AM	Hall #3 (old 2) - RMB xxxxx	Parallel Oral Session 1H	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	#201A+#201B+#201C (old 6+7+8) - RMB xxxxx	Parallel Oral Session 2H	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	#305A+#305B+#305C (old 10+11+12) - RMB xxxxx	Parallel Oral Session 3H	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	Hall #2A (old 17A) - RMB xxxxx	Parallel Oral Session 4H	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	Hall #2B+#2D (old 17B) - RMB xxxxx	Parallel Oral Session 5H	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	8:30 AM	10:00 AM	Hall #2C+#2E (old 17C) - RMB xxxxx	Parallel Oral Session 6H	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
CICCST	10:00 AM	10:30 AM	Foyer of both 2nd and 3rd Floors - No charge because this is the same area as the poster and exhibits	Refreshment (Coffee, Juices, Fruit, and Cakes)	Stations		Stations arranged to reduce crowding in both 2nd and 3rd floor foyers

Keith Wear	10:30 AM	12:00 PM	Hall #3 (old 2) - No charge because it is part of the morning room use	Parallel Oral Session 1I	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	#201A+#201B+#201C (old 6+7+8) - No charge because it is part of the morning room use	Parallel Oral Session 2I	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	#305A+#305B+#305C (old 10+11+12) - No charge because it is part of the morning room use	Parallel Oral Session 3I	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	Hall #2A (old 17A) - No charge because it is part of the morning room use	Parallel Oral Session 4I	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	Hall #2B+#2D (old 17B) - No charge because it is part of the morning room use	Parallel Oral Session 5I	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	10:30 AM	12:00 PM	Hall #2C+#2E (old 17C) - No charge because it is part of the morning room use	Parallel Oral Session 6I	Theater	A/V: Yes(1) - No charge because it is part of morning use	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #3 (old 2) - RMB xxxxx	Parallel Oral Session 1J	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	#201A+#201B+#201C (old 6+7+8) - RMB xxxxx	Parallel Oral Session 2J	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	#305A+#305B+#305C (old 10+11+12) - RMB xxxxx	Parallel Oral Session 3J	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #2A (old 17A) - RMB xxxxx	Parallel Oral Session 4J	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #2B+#2D (old 17B) - RMB xxxxx	Parallel Oral Session 5J	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
Keith Wear	1:30 PM	3:00 PM	Hall #2C+#2E (old 17C) - RMB xxxxx	Parallel Oral Session 6J	Theater	A/V: Yes(1)	Free ice water buckets and cups/table on the back of room
CICCST	3:00 PM	4:30 PM	Foyers of both 2nd and 3rd Floors - No charge for the 2nd floor because this is the same area as the exhibits; RMB xxxxx/m2/day for 3rd floor posters (700 m2)	Refreshment (Coffee, Juices, Fruit, and Cakes) & Third-Day Poster Session (Posters are up from 8:00 AM - 6:30 PM)	Stations		Stations arranged to reduce crowding in both 2nd and 3rd floor foyers
Keith Wear	4:30 PM	6:00 PM	Hall #3 (old 2) - No charge because it is part of the afternoon room use	Parallel Oral Session 1K	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	#201A+#201B+#201C (old 6+7+8) - No charge because it is part of the afternoon room use	Parallel Oral Session 2K	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	#305A+#305B+#305C (old 10+11+12) - No charge because it is part of the afternoon room use	Parallel Oral Session 3K	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #2A (old 17A) - No charge because it is part of the afternoon room use	Parallel Oral Session 4K	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room

Keith Wear	4:30 PM	6:00 PM	Hall #2B+#2D (old 17B) - No charge because it is part of the afternoon room use	Parallel Oral Session 5K	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room
Keith Wear	4:30 PM	6:00 PM	Hall #2C+#2E (old 17C) - No charge because it is part of the afternoon room use	Parallel Oral Session 6K	Theater	A/V: Yes(1) - No charge because it is part of afternoon use	Free ice water buckets and cups/table on the back of room

Appendix D. Condensed Program

Appendix D:

Condensed Program

Condensed Program of 2008 IEEE International Ultrasonics Symposium

Beijing, China, November 2-5, 2008

Room Names:	Hall 1: Convention Hall No. 1 (2nd Floor)	Hall 5: Convention Hall No. 5 (1st Floor)	Room 307: 307 Conference Room (3rd Floor)
	Hall 2: Convention Hall No. 2 (2nd Floor)	Room 201: 201 Conference Room (2nd Floor)	Room 308: 308 Conference Room (3rd Floor)
	Hall 3: Convention Hall No. 3 (1st&2nd Floors)	Room 305: 305 Conference Room (3rd Floor)	Room 311: 311 Conference Room (3rd Floor)
Color Codes:	Group I:	Group II:	Group III:
	RED: Medical Ultrasound;	ORANGE: Sensor, NDE;	GREEN: Physical Acoust.;
			Violet: Microacoustics;
			Group V:
			BLACK: Transducers;
			(1I): 1 Invited Talk;
			(2I): 2 Invited; (3I): 3 Invited

SATURDAY, Nov. 1	Condensed Program --- 2008 IEEE International Ultrasonics Symposium, Beijing, China, November 2-5, 2008
	Symposium Registration (2nd Floor Foyer), 6:00 p.m. – 9:00 p.m.

SUNDAY, Nov. 2	Short Courses (with Refreshments on 3rd Floor Foyer from 10:00 a.m. - 10:20 a.m.; 3:00 p.m. - 3:20 p.m.; and 8:00 p.m. - 8:20 p.m.)
	Symposium Registration (2nd Floor Foyer), 7:00 a.m. – 7:00 p.m.
	Short Courses (8:00 a.m.-12:00 noon); Course 1A: Med. Ultras. Transducers (311A/B) Course 2A: Ultras. Imag. Systems (307) Course 3A: Photoacoustic Imag. & Sensing (308) Course 4A: Tissue Motion & Blood Flow (311C)
	Short Courses (1:00 p.m.-5:00 p.m.); Course 1B: Ultras. Elastography (311A/B) Course 2B: Acoust. Microscopy (307) Course 3B: Therapeutic Ultrasound (308) Course 4B: SAW Modeling Techniques (311C)
	Short Courses (6:00 p.m.-10:00 p.m.); Course 1C: Ultras. Contrast Agents (311A/B) Course 2C: CUMTs (307) Course 3C: Time Reversal Acoustics (308) Course 4C: Acoust. Near-Field Imag. (311C)

MONDAY, Nov. 3	Hall 3	Rooms 201A/B/C	Hall 5A	Hall 5B	Hall 5C	Room 307
	Symposium Registration (2nd Floor Foyer), 7:00 a.m. – 6:00 p.m. Exhibits (2nd Floor Foyer), 8:00 a.m. – 5:00 p.m.					
8:00 a.m. – 10:00 a.m.	Plenary Session (Convention Hall 1 - For All Attendees)					
10:00 a.m. – 10:30 a.m.	Refreshments (Locations: 2nd and 3rd Floor Foyers)					
10:30 a.m. – 12:00 noon	1A. Blood Flow Measurements (1I)	2A. Tissue Characterization	3A. Imaging Systems and Methods	4A. Transducer Materials Characterization	5A. Material Properties I (2I)	6A. Thin Film & Device Characterization
12:00 noon – 1:30 p.m.	Lunch (Convention Hall 1 - For All Attendees)					
1:30 p.m. – 3:00 p.m.	1B. High-Frequency and Small Animal Imaging (1I)	2B. Bone I	3B. Ultrasonic Motors - Technology Advances	4B. Single Crystals I (2I)	5B. NDE Signal Processing	6B. Advances in Materials & Propagation
3:00 p.m. – 4:30 p.m.	Posters and Refreshments (Locations: 2nd and 3rd Floor Foyers)					
	PS. Student Competition	P1C. Medical Imaging	P1F. Piezo. & Ferro. Mat.	P1I. Phononic Crystals II	P1L. BAW Modeling	
	P1A. Photoacoustic Imag.	P1D. Medical Signal Proc.	P1G. Sonar Propa. & Det.	P1J. NDE Signal Proc.	P1M. Microwave Acoust. Devices for Wireless Front Ends	
	P1B. Medical Beamforming	P1E. Transducer Modeling	P1H. Ultras. Motor Appl.	P1K. NDE Applications		
4:30 p.m. – 6:00 p.m.	1C. Shear Wave and Shear Strain Imaging (1I)	2C. Bone 2	3C. Phononic Crystals I - Bandgap & Focusing	4C. Single Crystal II (1I)	5C. Bulk Acoustic Wave Sensors (1I)	6C. SAW Devices
6:30 p.m. – 10:00 p.m.	Buffet Dinner Party (Convention Hall 1 - For All Attendees)					

TUESDAY, Nov. 4	Hall 3	Rooms 201A/B/C	Rooms 305A/B/C	Hall 2A	Hall 2B	Hall 2C
	Symposium Registration (2nd Floor Foyer), 7:00 a.m. – 5:30 p.m. Exhibits (2nd Floor Foyer), 8:00 a.m. – 5:00 p.m.					
8:30 a.m. – 10:00 a.m.	1D. Elasticity Imaging: Applications	2D. Contrast Agents: Targeting & Therapeutics	3D. Medical Signal Processing I	4D. cMUTs	5D. Industrial Measurement	6D. Bulk Wave Resonators - I (1I)
10:00 a.m. – 10:30 a.m.	Refreshments (Locations: 2nd and 3rd Floor Foyers)					
10:30 a.m. – 12:00 noon	1E. Clinical Cancer Imaging (3I)	2E. Arrays and Therapeutic Devices	3E. Medical Signal Processing II	4E. cMUT Modeling	5E. Flow Measurements (1I)	6E. Ultrasonic Wave Propagation - I
12:00 noon – 1:30 p.m.	Lunch (On Your Own)					
1:30 p.m. – 3:00 p.m.	1F. 3-D Elasticity Imaging (1I)	2F. Ultras. Mediated Delivery of Therap. Agents	3F. Photoacoustic Imaging	4F. SAW vs BAW (1I)	5F. Acoustic Imaging and Microscopy	6F. Ultrasonic Motors & Droplet Processing
3:00 p.m. – 4:30 p.m.	Posters and Refreshments (Locations: 2nd and 3rd Floor Foyers)					
	P2A. Blood Flow	P2D. Bioeffects	P2G. Med. Imag. Transd.	P2J. Ultras. Mot. Innov.	P2M. NDE Methods	P2P. Sen. & ID SAW Tags
	P2B. Improv. Contrast Imag.	P2E. High Freq. Tech.	P2H. Nonlinear Propag.	P2K. Acoust. Wave Sen.	P2N. Thin Film & Device Fab.	
	P2C. Contrast Agents: M./C.	P2F. 3D / Cardiac Imag.	P2I. Ultras. Wa. Prop. II	P2L. Acoust. Imag. Sig. Proc.	P2O. SAW Simulation	
4:30 p.m. – 6:00 p.m.	1G. Visco-elasticity	2G. Therapeutic Ultrasound	3G. High Frequency Transducers	4G. Acoustic MEMS Devices (1I)	5G. NDE Phased Arrays	6G. Material Properties II - Crystals & Composites
6:30 p.m. – 10:00 p.m.	Banquet Dinner and Shows (Convention Hall 1 - For All Attendees)					

WEDNESDAY, Nov. 5	Hall 3	Rooms 201 A/B/C	Rooms 305 A/B/C	Hall 2 A	Hall 2 B	Hall 2 C
	Symposium Registration (2nd Floor Foyer), 7:00 a.m. – 1:00 p.m. Exhibits (2nd Floor Foyer), 8:00 a.m. – 12:00 noon					
8:30 a.m. – 10:00 a.m.	1H. Cardiac Imaging (1I)	2H. Cavitation Therapy	3H. Transducer Modeling and Design	4H. Device Modeling	5H. Material and Defect Characterization	6H. Optical & RF Ultrasonic Effects
10:00 a.m. – 10:30 a.m.	Refreshments (Locations: 2nd and 3rd Floor Foyers)					
10:30 a.m. – 12:00 noon	1I. Cardiovascular Imaging (1I)	2I. Therapeutic Monitoring and Guidance	3I. Polymers for Transducers	4I. BAW Materials & Devices	5I. Wave Propagation (1I)	6I. Ultrasonic MEMS (1I)
12:00 noon – 1:30 p.m.	Lunch (On Your Own)					
1:30 p.m. – 3:00 p.m.	1J. Cardiovascular Elastography	2J. Beam Forming Algorithms and Strategies	3J. Microbubbles: Theory and Characterization	4J. Multilayer SAW Propagation (1I)	5J. Liquid and Gas Sensing	6J. Energy Harvesting & Magnetoelctrics (2I)
3:00 p.m. – 4:30 p.m.	Posters and Refreshments (Locations: 2nd and 3rd Floor Foyers)					
	P3A. Tiss. Charac. - Tech.	P3D. Therapeutic Ultrasound Applications	P3G. Material Characterisation and Fabrication Tech.	P3J. BAW & MEMS Mat. & Dev.		
	P3B. Tiss. Charac. - In Vivo	P3E. Therapeutic Ultrasound Technologies	P3H. Material Properties III	P3K. Thin-Film & Propag.		
	P3C. Elastography	P3F. MUT Transducers	P3I. Bulk Wave Effects & Devices			
4:30 p.m. – 6:00 p.m.	1K. Vector Velocity Imaging	2K. Adaptive Beam Forming	3K. Contrast Agent Imaging: Methods & Appl.	5K. Acoustic Wave Sensors	6K. Medical Arrays	

	Hall 3	Rooms 201A/B/C	Rooms 305A/B/C	Hall 2A	Hall 2B	Hall 2C
Sizes of Rooms:	530 m2 (1st & 2nd Floors)	450 m2 (2nd Floor)	450 m2 (3rd Floor)	366 m2 (2nd Floor)	366 m2 (2nd Floor)	366 m2 (2nd Floor)

		Hall 5A	Hall 5B	Hall 5C	Room 307
Note: Roughly 1 square meter (m2) per person.	Sizes of Rooms:	About 380 m2 (1st Floor)	About 190 m2 (1st Floor)	About 190 m2 (1st Floor)	185 m2 (3rd Floor)

Appendix E. First Call for Papers

Appendix E:

First Call for Papers



2008 IEEE International Ultrasonics Symposium

(Including Short Courses & Tutorials)



November 2-5, 2008

Beijing International Convention Center, Beijing, China

Sponsored by the IEEE Ultrasonics, Ferroelectrics, & Frequency Control Society
In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences

General Co-Chairs

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Volcano Corporation
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The Great Wall

First Call for Papers

Abstract deadline: **May 4, 2008**

Abstract submission and conference website:

http://ewh.ieee.org/conf/ius_2008/

The annual IEEE International Ultrasonics Symposium (IUS) will be held at the Beijing International Convention Center (BICC), Beijing, China, from November 2-5, 2008. This will be the first time that the IUS will take place in China. Beijing is the capital of China and has a long history and a great culture. It will also host the 2008 Summer Olympics and Paralympics, which will be held in August and September, 2008. After the Olympics, Beijing will have decorated city streets, improved infrastructure, cleaner environment, and greatly increased hotel capacity. The 2008 IUS will take advantage of this historic opportunity to offer conference attendees and their guests not only an excellent technical program, but also an opportunity to explore the rich culture and visit tourist attractions of Beijing and the rest of China. The BICC is located within the Olympic Complex.

Papers are solicited for this conference describing original work in the field of ultrasonics. Poster and oral presentation formats will be used at the symposium. Prospective authors should note that poster sessions provide an alternative format which allows for greater flexibility and expanded audience interaction.

The deadline for submission of abstracts is **May 4, 2008**. The abstracts should be submitted in electronic form according to the specific information posted on the conference web page. Additional conference information can be found at the Symposium web site: http://ewh.ieee.org/conf/ius_2008/. Each abstract will receive careful review and evaluation by the Symposium Technical Program Committee. Evaluation criteria will include originality of the work, contribution to the state-of-the-art, and overall interest to the ultrasonics community. Authors are required to concisely divide their abstract into three sections: **I. Motivation/Background; II. Statement of the Contribution/Methods; III. Result/Discussion**. Papers are solicited from the following **subject classifications**:

Group 1: Medical Ultrasonics

MBB Medical Beamforming and Beam Steering
MBE Biological Effects & Dosimetry
MBF Blood Flow Measurement
MCA Contrast Agents
MEL Elastography
MIM Medical Imaging
MSP Medical Signal Processing
MTC Medical Tissue Characterization
MTH Therapeutics, Hyperthermia, Ultrasound in Surgery

Group 2: Sensors, NDE & Industrial Applications

NAM Acoustic Microscopy
NAI Acoustic Imaging
NAS Acoustic Sensors
NDE General NDE Methods
NFM Flow Measurement
NMC Material & Defect Characterization
NPM Wave Propagation
NSP Signal Processing
NTD Transducers: NDE and Industrial

Group 3: Physical Acoustics

PBW Bulk Wave Effects & Devices
PGP General Physical Acoustics
PMI Magnetic/Electromagnetic Interactions
POI Optical Interactions
PUM Ultrasonic Motors & Actuators
PTF Thin Films

Group 4: Microacoustics – SAW, FBAR, MEMS

MMP Materials & Propagation
MDM Device Modeling
MDD Device Design
MDA Device Applications

Group 5: Transducers & Transducer Materials

TMC Transducers: Materials Characterization and Fabrication Technology
TPF Transducers: Piezoelectric and Ferroelectric Materials
TMO Transducer Modeling (Analytical & Numerical)
TMT Medical Transducers
TMU Micromachined Ultrasound Transducers

Student Travel Support: Limited funds are available to support **IEEE UFFC student member attendees** at the 2008 symposium. Awards will be given on a competitive basis. Please see the conference website for details.

Student Paper Competition: Students submitting abstracts are invited to participate in a student paper competition. To participate, the student must be the lead author and present his/her paper. Further information will be posted on the conference website.

Visa Application: Please visit the Symposium web site for updated information regarding invitation letters, and apply in advance if you need a visa to travel to China. The information is expected to be available in February 2008.

Appendix F. Final Call for Papers

Appendix F:

Final Call for Papers



2008 IEEE International Ultrasonics Symposium

(Including Short Courses & Tutorials)



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POI Optical Interactions
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PTF Thin Films

Group 4: Microacoustics – SAW, FBAR, MEMS

MMP Materials & Propagation
MDM Device Modeling
MDD Device Design
MDA Device Applications

Group 5: Transducers & Transducer Materials

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The Great Wall

Final Call for Papers

Abstract deadline: **May 4, 2008**

Abstract submission and conference website:

http://ewh.ieee.org/conf/ius_2008/

Invited Speakers

There will be 21 invited speakers as follows:

Group 1: Medical Ultrasonics:

- **Jan D'hooge**, "Functional imaging of the heart," *Cardiovascular Imaging and Dynamics, Medical Imaging Center, University Hospital Gasthuisberg, Belgium.*
- **Mathias Fink**, "Supersonic shear wave elasticity imaging," *Laboratoire Ondes et Acoustique, ESPCI and Paris 7 University, Paris, France.*
- **Stuart Foster**, "Micro-ultrasound takes off," *Department of Medical Biophysics, Sunnybrook Health Sciences Centre, University of Toronto, Toronto, Canada.*
- **Hiroshi Kanai**, "Ultrasonic imaging of 3-dimensional propagation of electric excitation and vibrations in human heart," *Department of Electronic Engineering, Graduate School of Engineering, Tohoku University, Sendai, Japan.*
- **Richard Prager, Andrew Gee and Graham Treece**, "Deconvolution and elastography based on 3D ultrasound," *Department of Engineering, University of Cambridge, Cambridge, CB2 1PZ, United Kingdom.*
- **Hairong Zheng**, "Ultrasound particle velocimetry: an emerging technique in cardiology," *Lauterbur Biomedical Imaging Center, Institute of Biomedical and Health Engineering, Shenzhen Institutes of Advanced Technology, Chinese Academy of Science, Shenzhen, China.*

Group 2: Sensors, NDE, and Industrial Application:

- **Saul Jacobson**, "New developments in ultrasonic gas analysis and flowmetering," *403 Huon Road, TAS 7004, Australia.*
- **Claire Prada and Mathias Fink**, "Invariants of the time reversal operator and ultrasonic applications," *Laboratoire Ondes et Acoustique, ESPCI, PARIS, FRANCE.*
- **Orest G. Symko**, "Ultrasonic Thermoacoustic Energy Conversion," *Department of Physics, University of Utah, Salt Lake City, Utah, USA.*
- **Michael Thompson and Scott Ballsntyne**, "Ultra high frequency acoustic wave detection of HIV antibody in whole serum," *Department of Chemistry and Institute for Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Canada.*

Group 3: Physical Acoustics:

- **Eun Sok Kim**, "Piezoelectric MEMS for audio signal transduction, microfluidic management, resonant mass sensing, and movable surface micromachined structures," *Department of Electrical Engineering-Electrophysics, University of Southern California, USA.*
- ***Vivian Pistre and **Bikash Sinha**, "Applications of sonic waves in the geophysical, geomechanical, and petrophysical characterization of subsurface rocks," **Schlumberger Beijing Geoscience Center, China. **Schlumberger-Dill Research, Cambridge, MA, USA.*
- **Yuesheng Wang**, "Interfacial waves and stability at the frictional sliding interface between two solids," *Institute of Engineering Mechanics, Beijing Jiaotong University, China.*
- **Yook-Kong Yong, Mihir Patel, and Masako Tanaka**, "Theory, and experimental verification of the resonator Q and equivalent electrical parameters due to viscoelastic, conductivity and mounting supports losses," *Dept. of Civil & Environmental Engineering, Rutgers University, USA.*



2008 IEEE International Ultrasonics Symposium

(Including Short Courses & Tutorials)



November 2-5, 2008

Beijing International Convention Center, Beijing, China

Sponsored by the IEEE Ultrasonics, Ferroelectrics, & Frequency Control Society
In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences

General Co-Chairs

Overall Management:

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Invited Speakers (Continued)

Group 4: Microacoustics – SAW, FBAR, MEMS:

- **Robert Aigner**, "SAW vs. BAW: A Review of the Relative Strengths and Weaknesses of These Technologies for RF Filter Applications," *TriQuint Semiconductor, Hillsboro, OR, USA*.
- ***Ken-ya Hashimoto** and ****Michio Kadota**, "Piezoelectric Boundary Wave Devices: Their Underlying Physics and Applications," **Chiba University, Chiba, Japan. **Murata MFG, Co. Ltd., Kyoto, Japan*.
- **C. S. Lam**, "A Review of the Recent Development of MEMS and Crystal Oscillators and Their Impacts on the Frequency Control Products Industry," *Integrated Device Technology, Inc., San Jose, CA, USA*.

Group 5: Transducers and Transducer Materials:

- **Ho-yong Lee**, "PMN-PZT Single Crystals and Composites for Transducer Applications," *Ceracomp Co., Ltd., Sunmoon University, Asan, Chungnam, South Korea*.
- **Haosu Luo**, "PMN-PT single crystals and their medical transducer applications," *SICCAS, Shanghai Institute of Ceramics, Chinese Academy of Sciences, Shanghai, China*.
- **Wen Rei**, "Piezoelectric Thin and Thick Films for Transducer Applications," *Electronic Materials Research Lab, Xi'an, Jiaotong University, Xi'an, Shaanxi, China*.
- **Stewart Sheritt**, "The Physical Acoustics of Energy Harvesting," *Advanced Technologies Group, Instrument Mechanical Engineering Section, Jet Propulsion Laboratory, Pasadena, CA, USA*.

Special Clinical Session

The 2008 IEEE International Ultrasonics Symposium will include a special clinical session to show how medical ultrasound technologies are used in clinical practices. This special session consists of the following half-hour invited presentations. More information is available at the symposium web site: http://ewh.ieee.org/conf/ius_2008/.

Talk #1: Making microbubbles work for ultrasound: Technical and Broader Challenges, **Peter Burns**, Department of Medical Biophysics, University of Toronto, Toronto, Ontario, Canada.

Talk #2: Clinical Ultrasound in China, **Yuxin Jiang**, Department of Diagnostic Ultrasound, Peking Union Medical College Hospital, Beijing 100730, China.

Talk #3: Applications of Contrast Ultrasound in Radiology, **Stephanie Wilson**, Department of Diagnostic Imaging, Foothills Medical Centre, Calgary AB, Canada.



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Proceedings

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Short Courses & Tutorials

(Please visit the symposium web site for more information: http://ewh.ieee.org/conf/ius_2008/)

8:00 A.M. - 12:00 Noon, Sunday, November 2, 2008:

- Short Course 1A: Medical Ultrasound Transducers**, *Douglas G. Wildes* and *L. Scott Smith*, GE Global Research Center, Niskayuna, NY, USA.
- Short Course 2A: Ultrasound Imaging Systems: from Principles to Implementation**, *Kai E. Thomenius*, GE Global Research Center, Niskayuna, NY, USA.
- Short Course 3A: Acoustical Near-Field Imaging**, *Walter Arnold*, Fraunhofer Institute for Non-Destructive Testing, Saarbrücken, Germany.
- Short Course 4A: Estimation and Imaging of Tissue Motion and Blood Velocity**, *Hans Torp* and *Lasse Lovstakken*, Department of circulation and medical imaging, Norwegian University of Science and Technology, Trondheim, Norway.

1:00 P.M. - 5:00 P.M, Sunday, November 2, 2008:

- Short Course 1B: Ultrasound Elastography: Quantitative Approaches**, **Jeffrey Bamber* and ***Paul Barbone*, **Institute of Cancer Research and Royal Marsden Hospital, UK. **Boston University, USA.*
- Short Course 2B: Photoacoustic Imaging and Sensing**, *Stanislav Emelianov*, Biomedical Engineering Department, University of Texas at Austin, USA.
- Short Course 3B: Acoustic Microscopy - Fundamentals and Applications**, **Roman Gr. Maev*, ***Naohiro Hozumi*, ****Kazuto Kobayashi*, and *****Yoshifumi Saijo*, **Centre for Imaging Research and Advanced Materials Characterization, University of Windsor, Ontario, Canada. **Department of Electrical & Electronic Engineering, Aichi Institute of Technology, Toyota, Japan. ***Honda Electronics Co. Ltd., Aichi, Japan. ****Tohoku University, Sendai, Japan.*
- Short Course 4B: SAW Modelling Techniques**, *Victor P. Plessky*, GVR Trade SA, Bevaix, Switzerland.

6:00 P.M. - 10:00 P.M, Sunday, November 2, 2008:

- Short Course 1C: Ultrasound Contrast Agents: Theory and Experiment**, **Nico de Jong* and ***Michel Versluis*, **Erasmus MC, The Netherlands. **University of Twente, The Netherlands.*
- Short Course 2C: CMUTs: Theory, Technology, and Applications**, *B.T. Khuri-Yakub*, *Ömer Oralkan*, and *Mario Kupnik*, *E.L. Ginzton Laboratory, Stanford University, USA.*
- Short Course 3C: Time Reversal Acoustics**, *Mathias Fink*, *École Supérieure de Physique et de Chimie de la Ville de Paris, France.*

Plenary Speaker

The 2008 IEEE International Ultrasonics Symposium will have a plenary speaker on acoustics of traditional Chinese theaters as follows. More information is available at the symposium web site: http://ewh.ieee.org/conf/ius_2008/.

Acoustics of Traditional Chinese Theatrical Buildings, *Jiqing Wang*, Institute of Acoustics, Tongji University, Shanghai, China 200092, E-mail: wongtsu@126.com.

Appendix G. Short Course Evaluation Form

Appendix G:

Short Course Evaluation Form



2008 IEEE International Ultrasonics Symposium
Beijing, China, 2-5 November, 2008



**Course Evaluation Form (can also be downloaded from web via
the link "Short Courses" at: http://ewh.ieee.org/conf/ius_2008/)**

General: Please take a couple of minutes to complete this course evaluation form to help us to improve in the future.

The Courses: Please check the box for the course(s) you have attended:



The Great Wall

<input type="checkbox"/> 1A: Medical Ultrason. Transd.	<input type="checkbox"/> 1B: Ultrasound Elastography	<input type="checkbox"/> 1C: Ultrason. Contr. Agents
<input type="checkbox"/> 2A: Ultrasound Imaging System	<input type="checkbox"/> 2B: Acoustic Microscopy	<input type="checkbox"/> 2C: CMUTs
<input type="checkbox"/> 3A: Photoacoustic Imag. Sensing	<input type="checkbox"/> 3B: Therapeutic Ultrasound	<input type="checkbox"/> 3C: Time Reversal
<input type="checkbox"/> 4A: Tissue Motion and Blood	<input type="checkbox"/> 4B: SAW Modeling Techniques	<input type="checkbox"/> 4C: Near-Field Imaging

Your Background (Select One): ☐ Student ☐ Academia ☐ Industry ☐ Other _____

Years of Experience in Ultrasound: _____

Questions:	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1. The course was well organized	1	2	3	4	5
2. The course taught me new information	1	2	3	4	5
3. The course was well matched for my prior knowledge	1	2	3	4	5
4. This course exceeded my expectations	1	2	3	4	5
5. The course provided enough information on the topic	1	2	3	4	5
6. The course made me want to pursue more on the topic	1	2	3	4	5
7. The instructor(s) communicated information effectively	1	2	3	4	5
8. The instructor(s) was/were well prepared for this short course	1	2	3	4	5
9. The instructor(s) paced the course effectively and efficiently	1	2	3	4	5
10. The room/environment was adequate for learning	1	2	3	4	5
11. I would like to see this course made available next year	1	2	3	4	5
12. I would recommend this course to others next year	1	2	3	4	5
13. At this point in time, I feel the course has been of great value to me	1	2	3	4	5
14. What overall rating would you give this course? (5 = best)	1	2	3	4	5
15. What overall rating would you give the instructor(s)? (5 = best)	1	2	3	4	5
16. What short course topics would you suggest for next year?					
17. From the current topics offered, which courses would you want to take next year? (For example: 1A, 2A, 3A, ...)					

Comments: Please feel free to make additional comments in the box below:

Appendix H. Covers of the Program and Abstract Books

1. Program Book

Design of the Covers of the Program Book including the spine, alignment marks, and the bleed areas for cutting purpose after printing (outside covers):

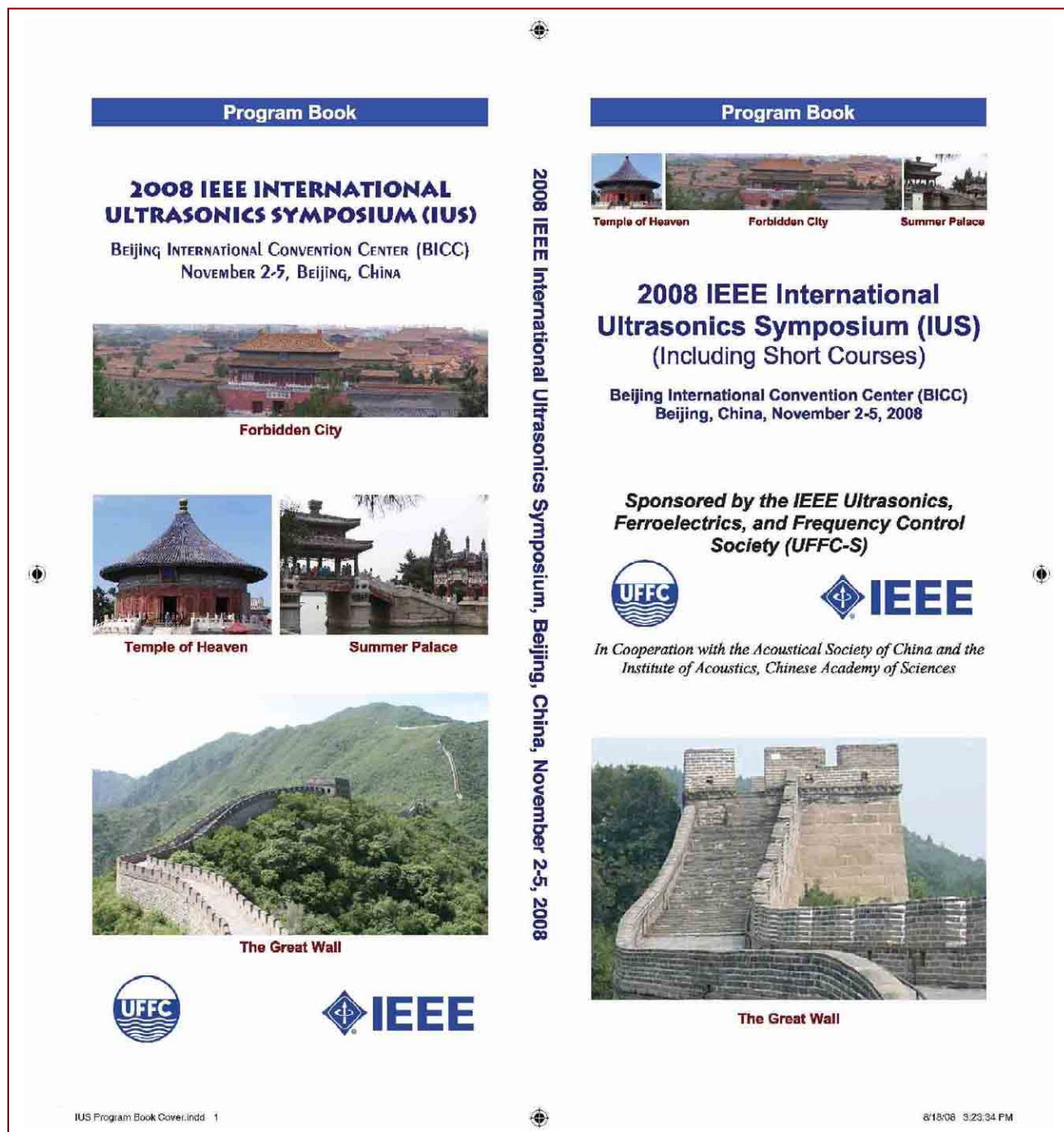


Figure H-1. Program book outside cover design

Design of the Covers of the Program Book (inside covers):

Table of Contents	
Welcome From the General Chair	1
Message from the Technical Program Committee Chair	2
Symposium Organizing Committee	3
Corporate Sponsors	4
Exhibitors / Schedule	5
Plenary Session	6
Conference Venue / Business Center / Coat Handling	8
Conference Registration	8
Visa Application	11
Conference Hotels	12
Nearby Shopping and Food	13
Local Transportation	14
Cheaper Air Tickets	14
Beijing Weather	14
Monday Lunch	15
Monday Evening Buffet / Social	15
Tuesday Evening Banquet / Shows	15
Beijing Local Guest Tours	16
Post-Conference China Tours	16
Other Beijing / China Tours	17
Guest Breakfasts	17
Exhibitor Breakfast	17
Student Breakfast / Meet with President	18
Coffee Breaks	18
Conference at a Glance Boards	18
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Oral Presentation Guide	19
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Session Chairs / Session Summary Form	20
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Wired and Wireless Internet Access	20
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Figure H-2. Program book inside cover design

2. Abstract Book

Design of the Covers of the Abstract Book including the spine, alignment marks, and the bleed areas for cutting purpose after printing (outside covers):

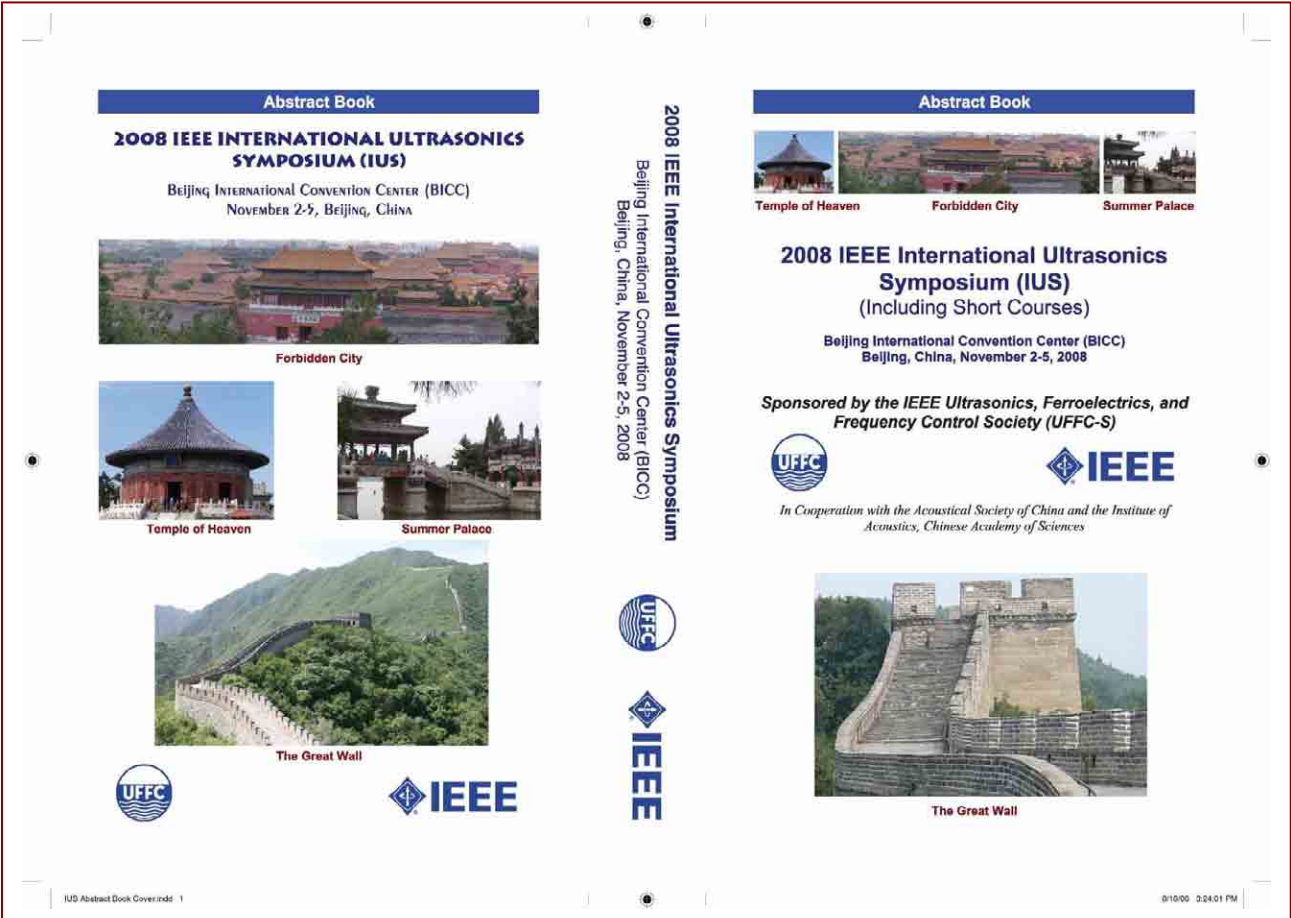


Figure H-3. Abstract book outside cover design

Appendix I. DVD Arts for Case and Disk

1. DVD Insert (Part I)



Figure I-1. DVD insert (page 1)

2. DVD Insert (Part II)

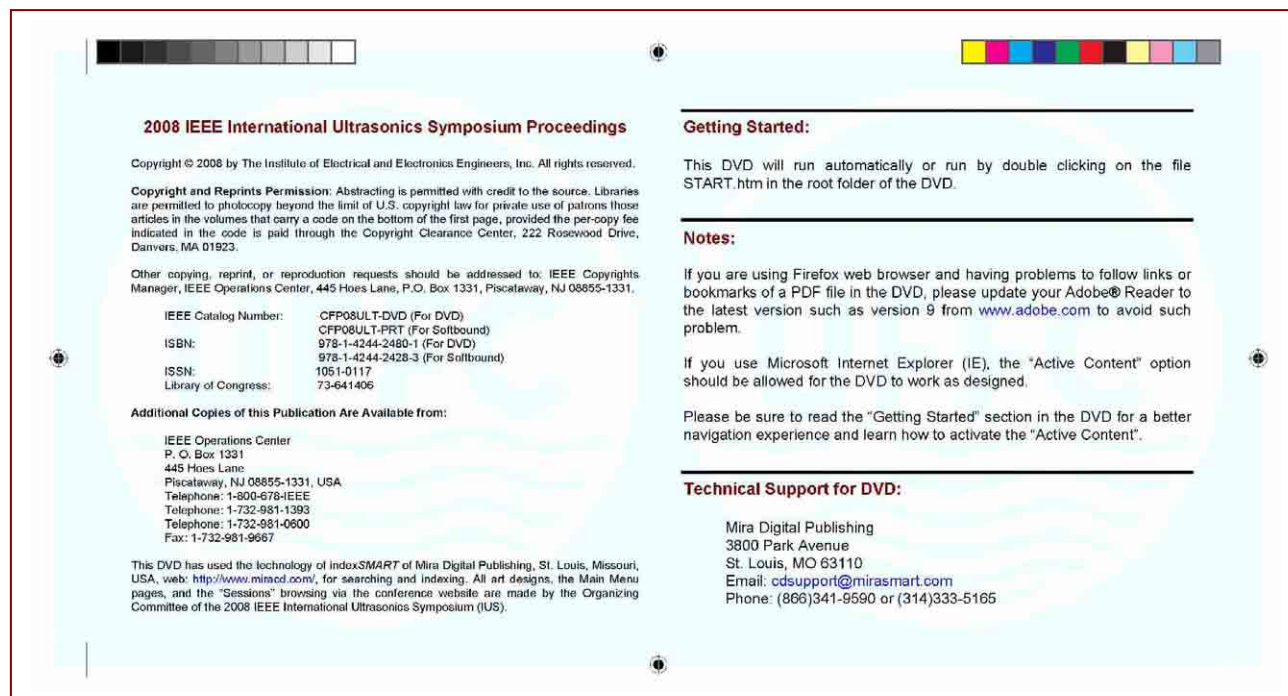


Figure I-2. DVD insert (page 2)

3. DVD Tray Card

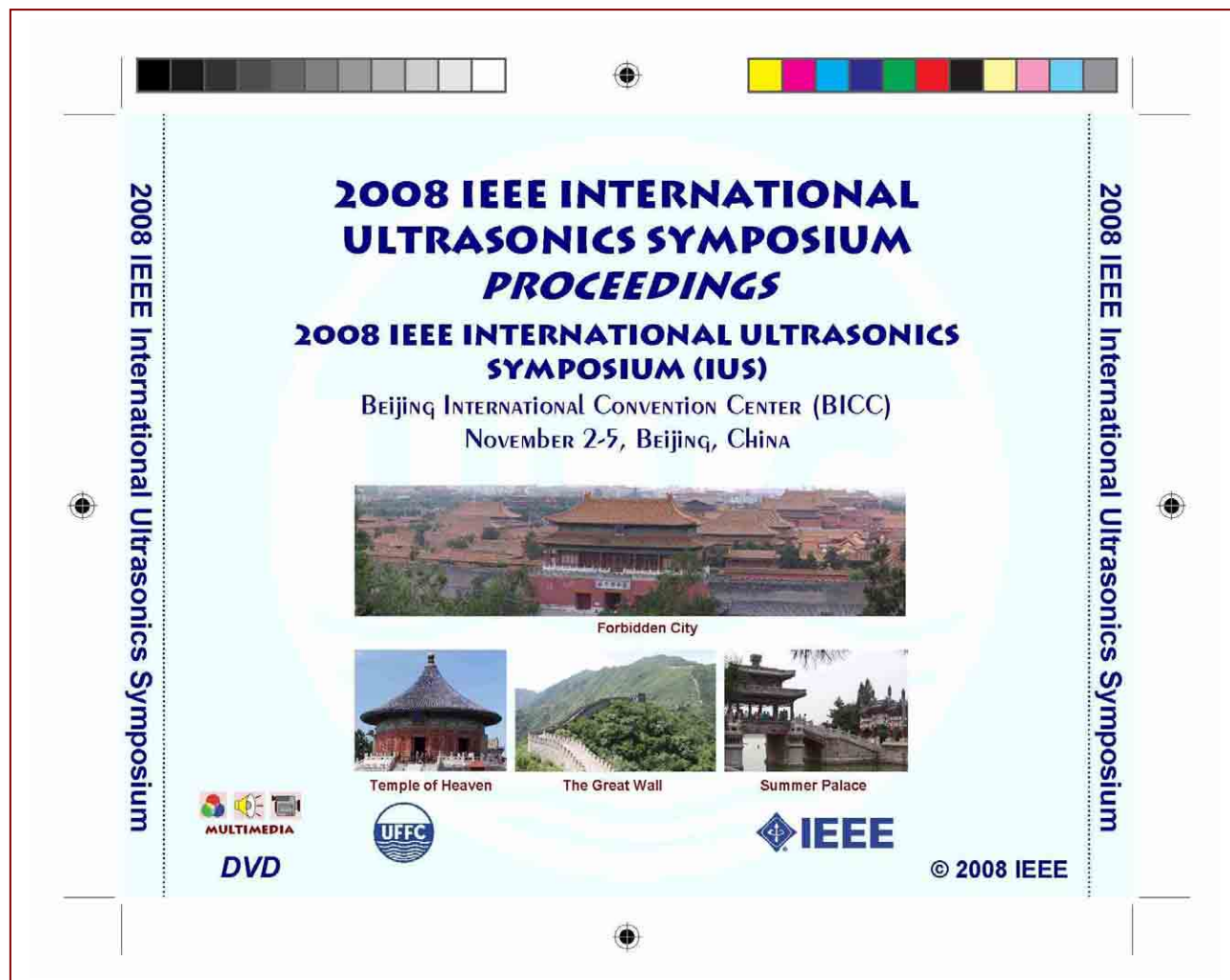


Figure I-3. DVD tray card

4. DVD Label

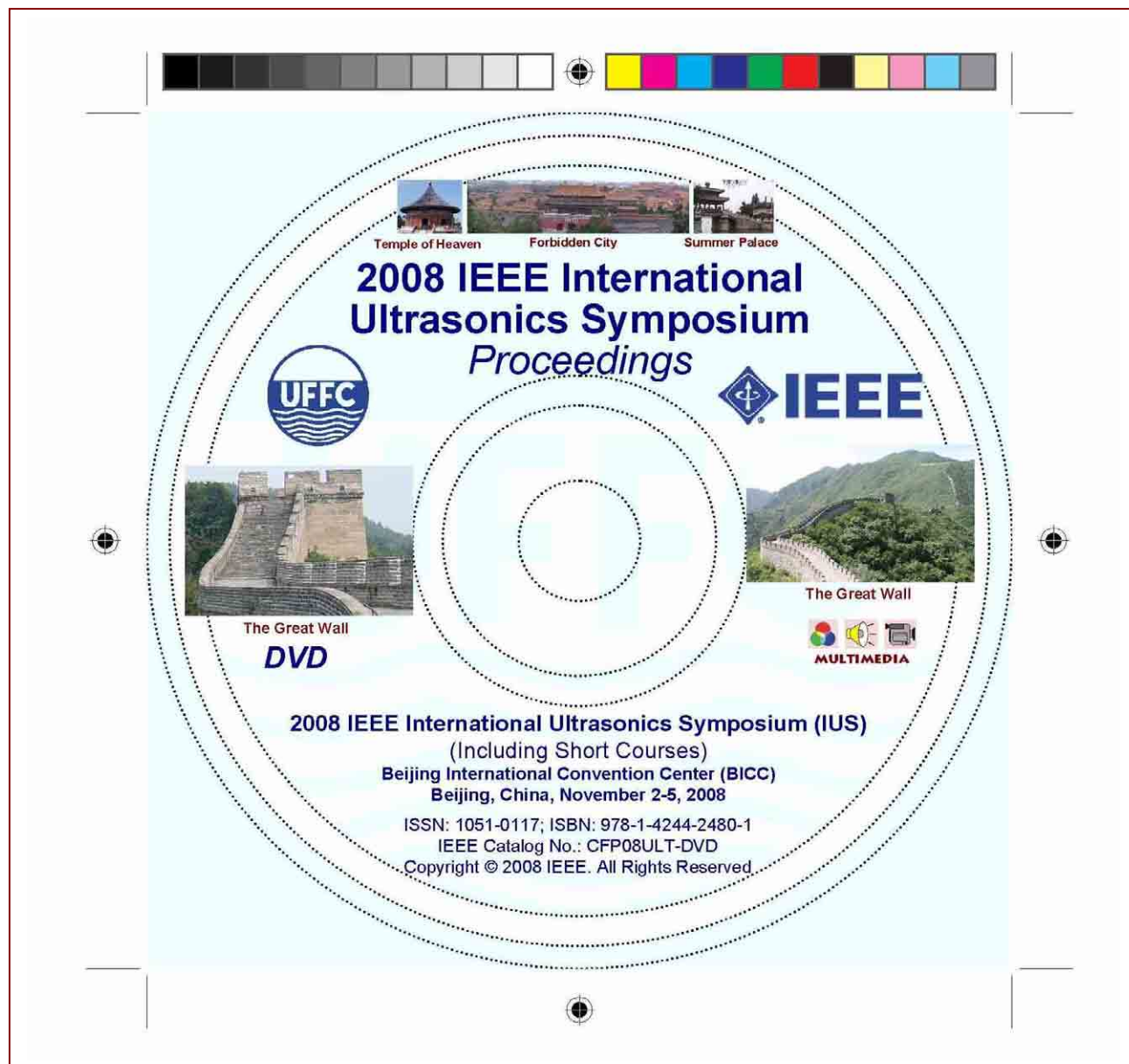


Figure I-4. DVD label

Appendix J. Abstract Submission and Results

1. Abstract Submission

Abstract Submission

(Absolute Deadline: *Midnight, Sunday, May 4, 2008, Pacific Standard Time*)

Reminders for Conference Attendees:

- **Conference Registration:** Please follow the link "[Conference Registration](#)" to register for the conference as soon as possible if you have not done so yet so that we could prepare your registration materials early to avoid long lines and congestions around registration area during the conference.
- **Visa Application:** For attendees who need a visa to enter China should request an official Letter of Invitation via the link "[Visa Application](#)" on the left pane of the conference website: http://ewh.ieee.org/conf/ius_2008/. This letter is necessary when you apply for a Business Visa. The United States nationals and people from many countries need a visa to enter China. Please prepare your visa application documents early since more documents than normal may be required due to the [Beijing Olympics](#). Please notice that the deadline for you to request the Letter of Invitation is: *Tuesday, September 30, 2008*. After the deadline, you may still request the letter but a timely delivery of the letter is not guaranteed.
- **Hotel Reservation:** Rooms of a group of hotels with discount rates have been blocked for attendees of the 2008 IEEE International Ultrasonics Symposium. These hotels are within a walking distance from the conference venue, the Beijing International Convention Center (BICC). Please notice that *Sunday, October 5, 2008* is the absolute deadline after which none of the hotels would guarantee to honor the discount rates. Please follow the link "[Conference Hotels](#)" to book hotels. All hotels are reserved on the "first come, first serve" basis. Attendees who could not find a suitable room in these hotels could take advantage of some rooms vacated by the hundreds of thousands of [Olympic](#) visitors through new subway routes, [Lines #8, #10, #5, and Airport Lines](#), that are built for the Olympics and connect BICC to the Center of Beijing.

Abstract Rights Transfer to IEEE:

- **IMPORTANT:** When authors submit abstracts via the linked abstract submission site below, it is understood that the authors have resolved their intellectual property right issues with their employers and other parties involved, and have transferred their abstract rights to [IEEE](#). Authors who have concerns on their intellectual property rights of their abstracts could consult their attorneys for legal advices (for example, filing provisional patent applications). The abstracts will be kept confidential until they have been accepted and placed in the conference program. After that time (around the end of June this year), the abstracts may be published both online and in print, or be accessible through the "[Meeting Planner](#)" to help attendees to prepare and/or individualize their conference programs.

Abstract Submission Notes:

- **Abstract Format:** Each abstract has to be broken down into the following four sections when you submit it: (1) Background, Motivation and Objective; (2) Statement of Contribution/Methods; (3) Results; and (4) Discussion and Conclusions. In addition, the total number of characters excluding spaces, title, author names, and affiliations are limited to **2500**.

- **Figures and Tables:** Figures and tables are allowed as long as they are in [Joint Photographic Experts Group](#) (JPEG or .jpg) or [Graphic Interchange Format](#) (GIF or .gif) file format. Each figure or table will count for 500 characters towards the allowed total of 2500 characters. An abstract will also be limited to one page, including all figures.
- **Reducing Size of Figures and Tables:** Since all figures and tables need to fit into one abstract page, they will not be displayed big in size in your submitted abstracts. If your figures and/or tables are big, please reduce their sizes so that both the width and height of these items do not exceed 800 pixels before you upload them during abstract submissions (in Microsoft (MS) Windows, you could place your mouse on the figure file for a few seconds to find both the width and height of the figure in unit of pixels and see if they are over 800 pixels). Smaller figure and table sizes will ensure us to produce an electronic abstract book with a reasonable file size, which would also be helpful in the abstract review process and be convenient for users when they download hundreds of abstracts of the entire conference later. There are multiple ways to reduce size of figures. One way is to use the Microsoft Paint program that comes with your MS Windows to open the file. Then, in the "Image" menu, select "Stretch/Skew" and enter appropriate percentage (<100%) for both the horizontal and vertical dimensions relative to the original sizes. Finally, save your figure with "Save As" from the "File" pull-down menu in a .jpg or .gif format.
- **Production of Figure and Table Files:** There are multiple ways to produce figure and table files in the JPEG or GIF format. The following shows you one way as an example. If you have a Microsoft (MS) Windows Operating system, you could have your figures or tables shown on your computer screen first and then use the "Print Screen" key on your keyboard to capture the entire screen into an invisible "Clip Board" image. Then you could open the Microsoft Paint program that comes with your MS Windows. From the "Edit" menu, you could paste the captured screen image into the program. Select your figures and tables by drawing a box around them using a rectangular selecting tool and then click "Copy To ..." in the "Edit" menu. This will bring up a popup window to allow you save the selection into a ".bmp" file. Open the ".bmp" file first with the Microsoft Paint from the "File" menu, and then select "Save As". When a popup dialog appears, select the file type as "JPEG" or "GIF" to produce the desired file format for your use during the abstract submissions.
- **Student Abstracts:** If you are a student, the conditions to participate in the [Student Paper Competition](#) and request for [Student Travel Support](#) are given in the respective links (please see the "Student" section on the left pane of the web: http://ewh.ieee.org/conf/ius_2008/). If you request for the Student Travel Support, *please make selection "Yes"* to the question "Do you require travel support?" during your abstract submissions. Otherwise, your requests will not be considered even though you have provided information such as lab name, advisor's name, IEEE membership number, and graduation date, etc. Please notice that you could not select "Yes" to request for the Student Travel Support unless you are an IEEE UFFC member. If you are not a member, please join [IEEE UFFC](#) by following the link: "[Join IEEE UFFC - Students](#)". A discount membership fee is available for students.
- **Oral or Poster Preference:** For 2008 IEEE International Ultrasonics Symposium, the presentation type that can be selected by authors during the abstract submission is either "Oral" or "Poster". Although the [Technical Program Committee](#) (TPC) will consider the authors' presentation preferences during the abstract evaluation process, the final decision on "Oral" or "Poster" of an abstract will be made by the TPC. Please notice that whether an abstract is accepted or not by the conference will solely depend on the quality of the abstract, not on authors' "Oral" or "Poster" selection.
- **Abstract Evaluations:** Your abstract will be evaluated by the TPC. The decision by the TPC whether an abstract is accepted, rejected, or combined with other abstracts is final. In addition, whether an abstract is selected for an oral or poster presentation by the TPC is also final. As stated in the [Call for Papers](#): "Prospective authors should note that poster sessions provide an alternative format which allows for greater flexibility and expanded audience interaction."
- **Presentation Guides:** If your abstracts are accepted, please check the [Oral Presentation Guide](#) and/or [Poster Presentation Guide](#) as appropriate to prepare your presentations.
- **Missed Emails:** The following abstract submission site also contains a copy of all emails that the site sent to you automatically regarding both your abstract submissions and review results (the review results will be available at the beginning of July 2008). If your email spam filters delete the emails sent to you, you would always be able to access these emails using your usernames and passwords (see the "Email History" link after you log in). If you have more than one account, please check emails in all of your accounts.

Abstract Submission Link:

IMPORTANT: Please notice that after you have proofread your abstract, you should click the button, "**Submit My Abstract**", and then get an automatic confirmation email containing your abstract ID. If you do not receive such an email, your abstract has not been transmitted to us and you should login to the system to complete your submission. (Please **REFRESH** your browser now to view an updated page that contains correct links!)

The abstract submission deadline has now passed and no new submissions would be possible. However, you could still log in to existing accounts to check emails sent to you. To submit full papers to the conference proceedings, you should submit it via [Paper Submission](#) link after the site is open (please check the table on the Home page for the opening date).

Online Abstract Submission: http://submissions.miracd.com/ius2008_Abstract/ (Closed)

Questions on Abstract Submission: Phone: (866)341-9589; Email: IUS2008@mirasmart.com

2. Abstract Results

Abstract Results (Announced July 2, 2008)

Reminders for Conference Attendees:

- **Conference Registration:** Please follow the link "[Conference Registration](#)" to register for the conference as soon as possible if you have not done so yet so that we could prepare your registration materials early to avoid long lines and congestions around registration area during the conference.
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- **Technical Program of the Conference:** The [Condensed Program](#), [Full Program \(Program Book\)](#), [Abstract Book](#), and [Meeting Planner](#) are now available.

Abstract Rights Transfer to IEEE:

- **IMPORTANT:** When authors submitted abstracts via the linked abstract submission site below (deadline was May 4, 2008), it was understood that the authors had resolved their intellectual property right issues with their employers and any other parties involved, and have transferred their abstract rights to [IEEE](#). Authors who have concerns on their intellectual property rights of their abstracts should consult their employers and/or attorneys for legal advices.
- Since the abstract statuses (Accept/Reject) have been determined by the [Technical Program Committee](#) (TPC) and the abstracts accepted have been assembled into the final conference program ([Condensed Program](#), [Full Program \(Program Book\)](#), and [Abstract Book](#)), all accepted abstracts will be published both electronically and in print before the conference. The abstracts will also be accessible to attendees before the conference in the "[Meeting Planner](#)" to help attendees to prepare and/or individualize their conference programs, and to encourage more people to attend the conference.

Therefore, please notice that if some authors whose abstracts have been accepted but have not resolved their intellectual property issues regarding their abstracts yet, it is authors' responsibility to get legal advices from their employers, attorneys, and/or other resources to find a solution, such as filing a [provisional patent application](#) or obtaining other low-cost legal protections for researches to be published in their abstracts before **Friday, August 1, 2008**. For any abstracts that are rejected, withdrawn, or not successfully submitted, they will be kept confidential.

Notes on Abstract Results:

- **Oral or Poster Preference:** For 2008 IEEE International Ultrasonics Symposium, the presentation type that could be selected by authors during the abstract submission was either "Oral" or "Poster". Although the [Technical Program Committee](#) (TPC) has considered the authors' presentation preferences during the abstract evaluation process, the final decision on "Oral" or "Poster" of an abstract was made by the TPC. Please notice that whether an abstract is accepted or not by the conference depends solely on the quality of the abstract, not on authors' "Oral" or "Poster" selection.
- **Abstract Evaluations:** Your abstract has been evaluated by the TPC. The decision by the TPC whether an abstract is accepted, rejected, or combined with other abstracts is final. In addition, whether an abstract is selected for an oral or poster presentation by the TPC is also final. As stated in the [Call for Papers](#): "Prospective authors should note that poster sessions provide an alternative format which allows for greater flexibility and expanded audience interaction."
- **Presentation Guides:** If your abstracts are accepted, please check the [Oral Presentation Guide](#) and/or [Poster Presentation Guide](#) as appropriate to prepare your presentations. Please also prepare your proceedings papers (and multimedia contents if there are any) by checking the information in the link "[Paper Submission](#)" when it is available in late September or early October 2008.
- **Reasons for Rejections:** If your abstracts are rejected, the reasons for rejections, if there are any, have been included in the abstract result notification emails to you.
- **Missed Emails:** The following abstract result site also contains a copy of all emails that the site sent to you automatically regarding both your abstract submissions and review results. If your email spam filters delete the emails sent to you, you would always be able to access these emails using your usernames and passwords (see the "Email History" link after you log in). If you have more than one account, please check emails in all of your accounts.

Link to the Abstract Evaluation Results:

Please notice that the following linked site is the same as your "[Abstract Submission](#)" site when you submitted your abstracts and thus your user names and passwords are the same as those when you submitted the abstracts. Please **REFRESH** your browser now to view an updated page that contains correct links!

Link to the Abstract Evaluation Results: http://submissions.miracd.com/ius2008_Abstract/ (Closed)

If you have trouble for your accounts, please contact: Phone: (866)341-9589; Email:

IUS2008@mirasmart.com

Appendix K. Proceedings Paper Submission

Conference Proceedings Paper Submission

(Absolute Deadline: *Midnight, Sunday, November 2, 2008, [Beijing Time](#)*)

1. Regular Paper Submission

Reminders for Conference Attendees:

- **Conference Registration:** Please follow the link "[Conference Registration](#)" to register for the conference as soon as possible if you have not done so yet so that we could prepare your registration materials early to avoid long lines and congestions around registration area during the conference.
- **Visa Application:** For attendees who need a visa to enter China should request an official Letter of Invitation via the link "[Visa Application](#)" on the left pane of the conference website: http://ewh.ieee.org/conf/ius_2008/. This letter is necessary when you apply for a Business Visa. The United States nationals and people from many countries need a visa to enter China. Please prepare your visa application documents early since more documents than normal may be required due to the [Beijing Olympics](#). Please notice that the deadline for you to request the Letter of Invitation is: *Tuesday, September 30, 2008*. After the deadline, you may still request the letter but a timely delivery of the letter is not guaranteed.
- **Hotel Reservation:** Rooms of a group of hotels with discount rates have been blocked for attendees of the 2008 IEEE International Ultrasonics Symposium. These hotels are within a walking distance from the conference venue, the Beijing International Convention Center (BICC). Please notice that *Sunday, October 5, 2008* is the absolute deadline after which none of the hotels would guarantee to honor the discount rates. Please follow the link "[Conference Hotels](#)" to book hotels. All hotels are reserved on the "first come, first serve" basis. Attendees who could not find a suitable room in these hotels could take advantage of some rooms vacated by the hundreds of thousands of [Olympic](#) visitors through new subway routes, [Lines #8, #10, #5, and Airport Lines](#), that are built for the Olympics and connect BICC to the Center of Beijing.
- **Technical Program of the Conference:** The [Condensed Program](#), [Full Program \(Program Book\)](#), [Abstract Book](#), and [Meeting Planner](#) are now available.

Reminders for Presenting Authors:

- **Presenting Authors:** Presenting authors should follow closely the "[Oral Presentation Guide](#)" and "[Poster Presentation Guide](#)" as appropriate.

Introduction:

- **PDF-Based Context-Sensitive Multimedia Proceedings:** The 2008 IEEE International Ultrasonics Symposium (IUS) will publish PDF-based, context-sensitive multimedia conference proceedings based on the multimedia technique we developed for the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control ([TUFFC](#)). The multimedia addition to the conference proceedings will be the first in the 46-year history of the annual [IEEE International Ultrasonics Symposia](#). To accommodate an anticipated increase of contents due to multimedia, DVD, instead of CD proceedings will be produced. The DVD will be designed to not only allow the traditional PDF-based navigation, but also take advantage of the power of the web-based browsing and searching capability of the indexSMART™ technology of [Mira Digital Publishing](#), St. Louis, MO, USA. The DVD will also be placed on the website of the IEEE Ultrasonics, Ferroelectrics, and

Frequency Control (UFFC) Society after the conference for IEEE UFFC members to access. On web, all the multimedia contents will be accessible online directly via links embedded in PDF papers (similar to accessing the [multimedia contents](#) (5.6 MB) of a [paper](#) published in IEEE [TUFFC](#)). The papers will also be included in [IEEE Xplore](#). The print version of the proceedings will only be available through IEEE directly after the conference.

If you plan to include multimedia contents in your papers, in addition to reading all the instructions in this introduction section, please also follow the additional instructions that are in a later part of this page via the link "[Multimedia Paper Submission Steps](#)". The following is a list of resources for you to prepare multimedia papers (these resources can also be accessed through the section "[Instructions, Templates, and Multimedia Examples](#)"):

- **IEEE Paper Template:** An "[IEEE Paper Template](#)" in Microsoft Word format is for you to prepare papers.
- **Information for Authors:** The "[Information for Authors](#)" contains useful information for you to prepare conference proceedings papers.
- **Metadata Spreadsheet:** A Microsoft Excel "[Metadata Spreadsheet](#)" is for you to provide metadata required by IEEE for each multimedia file. The spreadsheet has been populated with metadata that correspond to the multimedia files of the multimedia example below to show you the meaning of each field in the spreadsheet.
- **A Multimedia Example:** "[A Multimedia Example](#)" with all of its [multimedia contents](#) (12.9 MB) is useful for authors to prepare multimedia papers and control the sizes of multimedia files. Please click on each icon in the example to play multimedia contents.
- **A Multimedia Example in Microsoft Word Format:** A Microsoft Word [document](#) of the multimedia example above is provided to help authors to add multimedia icons to their papers and make Hyper links to the icons.
- **A Published Multimedia Paper:** A [paper](#) published in IEEE [TUFFC](#) along with its [multimedia contents](#) (5.6 MB) are used as an example.
- **Multimedia Icons:** Multimedia [icons](#) are needed when you prepare multimedia papers.
- **A Multimedia Paper (2J-5) Prepared for the 2008 IEEE IUS:** A multimedia paper ([PDF version](#)) prepared for the 2008 IEEE IUS Proceedings along with its multimedia contents ([ZIP package](#)) (3.8 MB) and word processing file ([MS Word version](#)) are for your reference.
- **A Multimedia Paper (2J-5) Published in the 2008 IEEE IUS Proceedings:** A multimedia paper ([PDF version](#)) published in the 2008 IEEE IUS Proceedings along with its multimedia contents ([ZIP package](#)) (2.6 MB) are for your reference.
- **Who Should Submit Paper(s):** Only authors whose abstracts are accepted for presentation at the 2008 IEEE International Ultrasonics Symposium are requested to submit proceedings papers through the website in the "Paper Submission Link" below (please notice that the online submission is the only way you could submit your papers). The software system will automatically exclude any abstracts that are not in either the "[Program Book](#)" or "[Abstract Book](#)".
- **Paper Submission Deadline:** The deadline for paper submission is ***Midnight, Sunday, November 2, 2008, Beijing time***. THIS IS A FIXED DEADLINE. Please notice that this is the day BEFORE the Symposium starts and is a new requirement this year. No papers will be accepted for publication after this deadline (after the deadline, the website may automatically be turned off, making it impossible for you to submit a paper). The rigid deadline and moving the deadline to the beginning of the conference for 2008 IEEE IUS are a decision by related UFFC Committees. This would allow us to get the Symposium Proceedings to you in a timely manner as well as address concerns that there could be a potential that some works of others presented during the conference could be included in someone else's papers if the deadline were after the conference as in the previous years. ***Warnings*** of this change of deadline have also been included in the acceptance letters to authors on July 2, 2008 as well as given to authors in several other occasions, including this website (please see at the top of this page "Absolute Deadline" and the main page of the conference at "http://ewh.ieee.org/conf/ius_2008/"). (For 2008 IEEE IUS, a few papers have missed the deadline - please see the "Papers Not in Proceedings" chart in the "[Conference Statistics](#)" for detail.)

- **Eligibility for Publication of Submitted Papers:** Because the conference proceedings are a record of the conference papers that are actually presented, to have your papers included (published) in the proceedings, you must present AND defend the papers during the conference by yourself or by someone who is designated by you and is knowledgeable on the subjects of the papers. Please follow closely the ["Oral Presentation Guide"](#) and ["Poster Presentation Guide"](#) as appropriate, and introduce yourself to your ["Session Chairs"](#) so that your presentations will be counted to allow the inclusion of your papers in the proceedings. This requirement is also in the abstract acceptance letters sent to you on July 2, 2008. (For 2008 IEEE IUS, there are a few papers that are submitted but not presented - please see the "Papers Not in Proceedings" chart in the ["Conference Statistics"](#) for detail.)
- **Acceptable Word Processing Files:** Your paper should have a paper size of 11 inches by 8.5 inches (11" by 8.5" - US Letter) so that print proceedings can be produced properly. Please notice that no page numbers should be entered in your paper since the page numbers will be assigned according to the print proceedings. Please also pay attention to the margins in the template since conference specific texts such as the Digital Object Identifier (DOI) and IEEE copyright notice will be inserted into the header and footer areas. The side margins will allow your papers to be bounded properly in the print proceedings.
 - **Microsoft Word Files:** The file type preferred for the 2008 IEEE International Ultrasonics Symposium is Microsoft (MS) Word. This is to allow a most efficient way to process your papers by our paper submission software. In addition, if you use MS Word 2007 or newer version, please make sure that you use the "Compatibility Mode" of Word 2007 so that your paper could be properly handled by our software, which is ".doc" file type based, instead of ".docx". To enter the "Compatibility Mode", you could open Word 2007 and then click the Office Button (icon) on the upper-left corner of the Word. Then, select "Save As" -> "Word 97-2003 Document" -> enter filename -> click "Save". Compose your paper this way will allow you to produce a paper that is compatible with earlier versions of MS Word. (If you use Word 2007 to open a file that was produced by an earlier version of MS Word, such as the ["IEEE Paper Template"](#), the Word 2007 will automatically enter the "Compatibility Mode" that you can verify by looking for the "Compatibility Mode" indicator on the top bar near the file name in Word 2007.) When you finish the paper in the "Compatibility Mode" in Word 2007, please save it as the "Word 97-2003 Document" format as mentioned above with the "Save As" option. (Please see the ["IEEE Paper Template"](#) below for tools for your paper preparation.)
 - **LaTeX Files:** If you have difficulty in submitting MS Word file, you could submit a LaTeX file (".dar", ".d gz", ".dvi", ".tex", ".tgz", ".dvz", ".gz", ".tar", or ".taz"). If you submit a LaTeX file, please follow closely IEEE LaTeX templates for instructions on styles, formatting, and other preparation information (["IEEE Description of LaTeX Templates"](#) (63 KB), ["LaTeX Unix"](#) (655 KB), ["LaTeX Windows"](#) (674 KB), ["LaTeX Bibliography Unix"](#) (307 KB), ["LaTeX Bibliography Windows"](#) (309 KB)). Furthermore, your *final LaTeX paper* (printed out by a printer) should be of the same format, style, paper size, and fonts defined by IEEE in ["PDF template"](#) or ["Word template"](#) to be acceptable.
 - **Portable Document Files (PDF):** If neither MS Word nor LaTeX would work for you, as a final resort, you could submit a PDF file (avoid this option whenever possible because if there is an error in the PDF file, we will be limited to what we could do to help you fix the problem). If you have to submit a PDF file, you need to follow all instructions in the ["PDF template"](#), ensure proper margins (top 0.75", bottom 1", left 0.62", and right 0.62"), set correct paper size (11" by 8.5"), use proper fonts and font sizes (avoid using fonts such as "Traditional Chinese Fonts", "Japanese Fonts", and/or "Korean Fonts"), and MUST use IEEE PDF eXpress to convert your original documents to PDF before submitting it via the paper submission link in the later part of this page. Using IEEE PDF eXpress is important because it will ensure that your submitted PDF file is [IEEE Xplore](#) compatible. The IEEE PDF eXpress link is given by ["http://www.pdf-express.org/"](http://www.pdf-express.org/) and there are detailed instructions in the link to help you do the file conversion. The Conference ID you need to use for the IEEE PDF eXpress is *ius08x* (please notice that this Conference ID will expire on December 2, 2008). The IEEE PDF eXpress can also be visited by clicking on the icon below:



- **Name the File of Your Paper Properly:** Your paper must use the program label in the "[Program Book](#)" or "[Abstract Book](#)" as the file name for a proper and automatic identification of your paper during the production of DVD. For example, if the program label of a paper is "2J-5", which means the 5th paper in the oral session "2J. Beam Forming Algorithms and Strategies", the file name of your paper should be "[2J-5.doc](#)", where ".doc" means a Microsoft (MS) Word file. One way to name your file is to use the "Save As" command from the "File" (or Office Button in Word 2007) drop-down menu of the MS Word program. Similarly, if your paper has a program label of "P1A023-01", which means the first paper on Monday in a poster session "P1A. Photoacoustic Imaging", your paper should be named as "P1A023-01.doc". Please use capital letters for the program label part of your file name, and use the lower case for the file extension, such as ".doc". If you submit LaTeX or PDF papers, the filename requirements are the same as those for the Word file, except for the file extensions.
- **IEEE Paper Template in Microsoft Word Format:** The latest version of the template (11 inch by 8.5 inch) of proceedings papers from IEEE in Microsoft (MS) Word format can be downloaded via the link "[IEEE Paper Template](#)" below. The template will allow you to adhere to the correct formatting and styles, such as, margins, fonts, titles, footnotes, and references, required by an IEEE conference publication. The "[Information for Authors](#)" contains additional information for conference proceedings paper preparation and figure production. Templates for LaTeX and PDF papers are given in "[Acceptable Word Processing Files](#)" above.
- **Avoid Submitting Paper with Empty Figures:** When you insert any figures into your Microsoft Word paper, please do the following to include the figures instead of just placing links in your paper. In Microsoft Word program, click on the drop-down menu "Insert" -> "Picture -> "From File ...", an "Insert Picture" dialog box will pop up. On the right hand side of your "File Name" box, there will be an option called "Insert". Within the option, there are three choices: "Insert", "Link to File", and "Insert and Link". Please select the first choice. The second choice will only place in your paper a link to figures in your hard drive and the third will add a figure plus a link. Such links will be broken when you print your paper from another computer or submit your paper to a computer that do not have your original figures. (The links here mean that your original figures shown on the screen of your computer are not actually included in your paper and thus the figures could not be found and displayed once your paper is not in your computer.) Please notice that the instructions above are based on Microsoft Word Xp (Word 2002). If the version of your Word is different, the procedure above may be a little different.
- **Numbers of Pages Allowed without Charge:** Oral and poster authors may publish up to **4** pages (up to **10** pages for invited authors) without charge in the 2008 IEEE International Ultrasonics Symposium Proceedings. Up to **two extra pages** may be added at the author's expense (no page limits for invited authors as long as all pages over 10 are paid in full). Please pay **\$125** for each extra page. Please notice that the paper submission website may not allow you to complete the submission process without a correct amount of payment. Only a credit card (Visa, Master, American Express, or Discover) is acceptable for the payment. Any papers with a delinquent payment after the submission deadline will not be included in the proceedings.
- **Submission of Papers to IEEE TUFFC:** Authors are also encouraged to submit manuscripts expanded (more complete and with additional results) from the conference proceedings papers to the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control ([TUFFC](#)). Unlike the conference proceedings, the IEEE TUFFC is peer-reviewed and thus would allow a wider dissemination of your research results. To learn more about TUFFC and its manuscript submission procedures, please follow the link "[IEEE TUFFC](#)" on the left pane of the conference website at: http://ewh.ieee.org/conf/ius_2008/. Please notice that the submission of a manuscript to TUFFC is independent of submitting papers to the conference proceedings, and thus the rules here, such as the deadline, instructions, and paper style and formatting, may not apply to TUFFC.
- **IEEE Copyright Form:** IEEE Electronic Copyright Form needs to be filled out during the paper submission. The submission process will not continue without completing the copyright form. Papers submitted without the IEEE copyright form will not be published in the proceedings.
- **Website to Submit Your Papers:** The website to submit your papers is the same as that you used to submit your abstracts a few months ago (see "[Abstract Submission](#)" or "[Abstract Results](#)"). Therefore, your username and password will be the same as those you used when you submitted your abstracts. However, you should use the link below in this page to submit your papers.




- **Five Steps for Paper Submission** (if your paper contains multimedia contents, please follow [Multimedia Paper Submission Steps](#) instead - please notice that if your paper only contains color figures and you do not wish to include your original high-quality color arts through multimedia icon links, you could treat your paper as a regular paper without multimedia):
 1. **Download Microsoft Word Template (or LaTeX or PDF Template as Appropriate):** Download the "[IEEE Paper Template](#)" for conference papers in Microsoft (MS) Word format. If you submit a LaTeX or PDF paper, please download appropriate templates from "[Acceptable Word Processing Files](#)" above.
 2. **Prepare Your Paper:** Follow the instructions in the "[IEEE Paper Template](#)" (or other templates downloaded from the previous step) and the "[Information for Authors](#)" to prepare your paper. If you use MS Word 2007 or newer, please prepare the paper in the "Compatibility Mode" by following instructions in "[Acceptable Word Processing Files](#)" above.
 3. **Save Your File:** When finish, if you use an MS Word 2003 or earlier version, save your file as you normally do. If you use Word 2007 or newer, please make sure that you have produced the paper in the "Compatibility Mode" and save the paper in the "Word 97-2003 Document" format with the "Save As" option (selecting the "Word 97-2003 Document" type from the "Save As Type" box). (Please see the "[Acceptable Word Processing Files](#)" above for using the "Compatibility Mode" and saving files in the "Word 97-2003 Document" format in Word 2007.) If you submit a LaTeX or PDF paper, please save your file in an appropriate format as shown in "[Acceptable Word Processing Files](#)" above.
 4. **Name the File of Your Paper Properly:** In the "Save As" command above, enter the [program label](#) of your paper, such as "2J-5", "PS022-22", or "P1A023-01", etc, as the file name to avoid your paper being misplaced. If the program label of your paper is "2J-5", the file name of your paper should be "[2J-5.doc](#)". Please use capital letters for the program label part of your file name, and use the lower case for the file extension, such as ".doc". If you submit a LaTeX or PDF paper, please follow the same filename requirements (see "[Acceptable Word Processing Files](#)" above).
 5. **Online Paper Submission:** Submit your paper via the "[Paper Submission Link](#)" below and follow instructions inside (the 8 main steps that you will go through on the paper submission website are: "Authors" -> "Paper Information" -> "Paper Upload" -> "Multimedia Files" -> "Proofread" -> "Payment" -> "Submit" -> "IEEE Electronic Copyright"). Please do not upload any file in the "Multimedia Files" step since your paper does not contain any multimedia contents. During the submission of your paper, the submission website will automatically convert your Microsoft Word file into an IEEE Xplore-compatible PDF format for you to "Proofread". If you submit a LaTeX or PDF paper, you will also be able to view your submitted or converted paper.

2. Multimedia Paper Submission

Multimedia Paper Submission Steps:

1. **General:** If your paper contains multimedia contents, please read all information in the "[Introduction](#)" section above and then complete the following steps. If your paper does not have multimedia contents, please read the "[Introduction](#)" and then follow the "[Five Steps for Paper Submission](#)" above to submit the paper. If you have more than one multimedia paper, please do not mix any files of different papers together (each paper should be prepared and submitted separately in the steps below). The following steps for creating multimedia papers are based on Microsoft Windows operating system. For other operating systems, you might need to modify the steps accordingly. Please notice that if your paper only contains color figures and you do not wish to include your original high-quality color arts through multimedia icon links, you could treat your paper as a regular paper without multimedia and follow the "[Introduction](#)" and "[Five Steps for Paper Submission](#)" above to submit your paper. Please also notice that, for the 2008 IEEE International Ultrasonics Symposium, multimedia papers are only acceptable in Microsoft Word file format. This allows us to gain some

experiences in the first-year implementation of multimedia proceedings. In the future, this restriction could be removed and thus more authors could submit multimedia papers.

2. **Download Microsoft Word Template:** Download the "[IEEE Paper Template](#)" for conference papers in Microsoft (MS) Word format.
3. **Prepare Your Paper:** Follow the instructions in the "[IEEE Paper Template](#)" and the "[Information for Authors](#)" to prepare your paper. If you use MS Word 2007 or newer, please prepare the paper in the "Compatibility Mode" by following instructions in "[Acceptable Word Processing Files](#)" above.
4. **Save Your File:** When finish, if you use an MS Word 2003 or earlier version, save your file as you normally do. If you use Word 2007 or newer, please make sure that you have produced the paper in the "Compatibility Mode" and save the paper in the "Word 97-2003 Document" format with the "Save As" option (selecting the "Word 97-2003 Document" type from the "Save As Type" box). (Please see the "[Acceptable Word Processing Files](#)" above for using the "Compatibility Mode" and saving files in the "Word 97-2003 Document" format in Word 2007.)
5. **Name the File of Your Paper Properly:** In the "Save As" command above, enter the [program label](#) of your paper, such as "2J-5", "PS022-22", or "P1A023-01", etc, as the file name to avoid your paper being misplaced. If the program label of your paper is "2J-5", the file name of your paper should be "[2J-5.doc](#)". Please use capital letters for the program label part of your file name, and use the lower case for the file extension, such as ".doc".
6. **Produce Multimedia Files:** Please follow the guidelines in the "Multimedia Addition" section of the "[Information for Authors](#)" to prepare your multimedia files to be linked to your paper.
7. **Create a Folder for Multimedia Files:** Create a folder that has exactly the same name as your MS Word file. For example, if your Word file name is "[2J-5.doc](#)", your multimedia folder should be named "2J-5". Place all multimedia files inside the folder you have just created. Thus, in your computer hard drive, you should see two names in the SAME place (or folder): one is the Microsoft Word file, such as "[2J-5.doc](#)", and the other is a folder with the same name "2J-5". A proper naming of your folder for multimedia files is important to link your multimedia files to your paper such as "[2J-5.doc](#)" and avoid your files being misplaced during the DVD proceedings production.
8. **Acceptable File Types of Your Multimedia Files:** To minimize difficulties of playing your multimedia contents, the types of your multimedia files are limited to ".jpg", ".gif", ".mp3", and ".mpg". A detailed explanation of these file types are in the "Multimedia Addition" section of the "[Information for Authors](#)".
9. **Total Size of Your Multimedia Files:** To avoid a long downloading time via internet and to fit all contents into a single DVD, the total size of your multimedia files for each paper should not exceed 15 MB ("MB" means megabytes, and 1 MB is about 1000 KB). Both "[Information for Authors](#)" and "[A Multimedia Example](#)" contain information on how to control the sizes of your multimedia files.
10. **Downloading Multimedia Icons:** Download the three different multimedia icons ("Icon for color figures" , "Icon for sound only" , and "Icon for movies or animations with or without sound" ) from the link "[Multimedia Icons](#)" or http://www.ieee-uffc.org/tr/mexample_icons.zip.
11. **Adding Icons to Microsoft Word File:** After downloading the three types of multimedia icons from the previous step, please unzip the file first and then insert the icons into your Word document at desired locations of the texts (you could click your left mouse button at where you would like to insert an icon), at the end of figure legends, or at the end of table legends (see a published [multimedia paper](#) as an example for icon placement). To insert the icons, you could select "Picture" and "From File ..." from the pull-down menu "Insert" of your Word program, and then browse your hard drive to find the icons you have downloaded. After an icon is inserted, please double click on the icon to bring up a dialog, "Format Picture", and then resize (under the "Size" tab) the icon to a height of 0.15 inch and a width of 0.15 inch for the "Icon for color figures" and 0.17 inch width for both the "Icon for sound only" and "Icon for movies or animations with or without sound". This step would ensure having uniform icon sizes for all papers in the conference proceedings.
12. **Linking Multimedia Files to Icons:** To access your multimedia contents (files) from your paper, links have to be added to the icons you have placed in your Word document. To add a link, please click on the icon with the right button of your mouse and select "Hyperlink ...". Then, under "Link To" select "Existing File or Web Page" and browse through the multimedia folder (such as "2J-5") you have created in a previous step to find the file you would like to link to. The icons should represent the types ("Color Figure", "Sound Only", and

“Movie or Animation”) of multimedia files to be linked to respectively. Once you have made a link, the name of your corresponding multimedia file or folder should not be changed. Otherwise, the link you have just created will be broken. Please make sure all icons are linked. (If you use Word 2007 or newer version, please use the “Compatibility Mode” and save your paper in the “Word 97-2003 Document” format as described in “[Acceptable Word Processing Files](#)” above.)

13. **Check the Links in Your Word File:** After you have made the Word file with embedded links to icons, please place your mouse over each multimedia icon that contains a link for a few seconds to see where the icon is linked to. Then click the left button of your mouse on the icon while pressing down the “CTRL” key, you should be able to play a multimedia file if the link is made properly.
14. **Examples of Files with Linked Icons:** A [zip-compressed package](#) (12.9 MB) of the “[A Multimedia Example](#)” can be downloaded. After unzipping, in the folder, “mexample/”, there will be a Microsoft Word file, “mexample.doc”. All the multimedia icons in this file have been linked to files in a multimedia folder. Placing your mouse over the icons, you will be able to see where the icons are linked to. When click on the icons while pressing down the “CTRL” key, you can play the multimedia contents. In the unzipped folder, you can also find a PDF file, “mexample.pdf”. Clicking on each icon in the file, you can also play the multimedia contents. If you have not downloaded the multimedia icons yet, from the file, “mexample.doc”, you could copy the icons to your paper directly and then resize them as mentioned in a previous step. To see how the linked icons work in a published multimedia paper in IEEE [TUFFC](#), please download a [zip-compressed package](#) (5.6 MB) of the paper and then play the multimedia contents after you have unzipped it. A multimedia paper prepared for the 2008 IEEE IUS can be downloaded from “[2J-5.zip](#)” (3.8 MB) and a version that will appear in the 2008 IEEE IUS proceedings is at “[IUS2008-000003.zip](#)” (2.6 MB), where “000003” is the Paper ID corresponding to the Program Label “2J-5”. All of the files above can also be downloaded from the section “[Instructions, Templates, and Multimedia Examples](#)” below.
15. **Copy the Linked Word File to the Folder Containing Multimedia Files:** Make a copy of your linked Word file, such as, “[2J-5.doc](#)” into your multimedia folder, such as, “2J-5” as a backup so that we could recover your original “[2J-5.doc](#)” file if the “[2J-5.doc](#)” is corrupted during your paper submission process. (In the future, if in addition to the Word file, LaTeX or PDF files are allowed for multimedia papers, this step to save the original files would be helpful to find out how you have linked your multimedia icons during the DVD production because the links in your LaTeX or PDF papers could be altered by the software of the paper submission website.)
16. **Metadata Collection Required by IEEE for Each Multimedia File:** IEEE requires metadata for each multimedia file. An [example](#) of such metadata file in Microsoft Excel spreadsheet format has been made for you based on the [zip-compressed package](#) (12.9 MB) of the “[A Multimedia Example](#)”. Please use the spreadsheet example to produce metadata for each of your multimedia file. When finish, please save the spreadsheet in “Excel 97-2003” format if you use Excel 2007 or newer version. Please use the same file name as that of your Word file to avoid a misplacement of your spreadsheet (for example, if your Word file name is “[2J-5.doc](#)”, please use “2J-5.xls” for your metadata spreadsheet). After the metadata spreadsheet is completed, please move or cut/paste it into your multimedia folder. The spreadsheet has the following 7 columns:
 - A. **PDF File Name:** If your Word file name is “[2J-5.doc](#)”, type in “[2J-5.pdf](#)”.
 - B. **Multimedia Summary:** This is just a shortened version of the title of your paper that summarizes the entire paper as well as the multimedia files in the paper. For example, if the title of your paper is “Effects of data density of echo Fourier domain on quality of high frame rate imaging”, the summary could be “Echo data density and high frame rate imaging”.
 - C. **Multimedia File Name:** This is the name of your multimedia file such as “heart.mpg”.
 - D. **Multimedia Size:** This is the size of your multimedia file such as “80 KB”, where KB means kilobytes. In Windows, you could find the file size by right click on the file and then select “Properties” to see the file size in “KB” (not the file size on disk).
 - E. **Multimedia Type:** If your multimedia file name is “heart.mpg”, the file type should be “MPG”.
 - F. **Platform:** If your multimedia file is mainly run on Microsoft Windows, enter “Windows”. In addition to Windows, other popular computer platforms are “Macintosh” and “Linux”.
 - G. **Multimedia title:** If this multimedia file is linked to, say, Fig. 1 in the Word file, the title could be “movie for Fig. 1”. If it is related to a paragraph in your Word file, you could enter, for example, “animation for the 5th paragraph on the second page”.

17. **ZIP Compress Your Multimedia Folder:** After you have finished your paper and all steps above, please zip-compress your multimedia folder (such as "2J-5") into a single ".zip" file with the same name, such as, "2J-5.zip". When you finish, in your computer, you should see the following three names in the same folder: "[2J-5.doc](#)", "2J-5" folder, and "2J-5.zip". Please notice that the metadata spreadsheet ("2J-5.xls") is in the multimedia folder "2J-5".
18. **Check Your ZIP-Compressed File:** Double click on the ".zip" file you have created in the previous step to open it and then check to make sure all files you intend to submit are included to avoid submitting an empty zip package without noticing it.
19. **Software for ZIP-Compression:** There are many zip-compression software you could use to produce the ".zip" file. [QuickZip](#) is a free software for Windows systems. Alternatively, you could purchase [PKZIP](#), [WinZip](#), or [WinRAR](#). Please notice that the [StuffIt Expander](#) is a freeware but it only decompresses ".zip" files (in both Windows and MacOS operating systems).
20. **Online Paper Submission:** Submit both your Word file, such as, "[2J-5.doc](#)" and zip-compressed file, such as, "2J-5.zip" via the "[Paper Submission Link](#)" below and then follow the instructions inside (the 8 main steps that you will go through on the paper submission website are: "Authors" -> "Paper Information" -> "Paper Upload" -> "Multimedia Files" -> "Proofread" -> "Payment" -> "Submit" -> "IEEE Electronic Copyright"). During the submission of your paper, you will be asked to submit the paper (such as "[2J-5.doc](#)") first in the "Paper Upload" step, and then in "Multimedia Files" page, you should upload the multimedia file (such as "2J-5.zip"). Then, the submission website will automatically convert your Word file into an IEEE Xplore-compatible PDF format for you to "Proofread". Your submitted ".zip" file will be used to produce the multimedia DVD and be submitted to IEEE Xplore as well as to the IEEE UFFC Society "Digital Archive".

3. Paper Templates and Examples

Instructions, Templates, and Multimedia Examples (Posted September 25, 2008):

- **IEEE Paper Template:**

Please click on icon below to download the MS Word template:
:



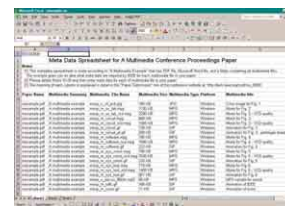
- **Information for Authors:**

Please click on icon below to download the PDF file:
:



- **Metadata Spreadsheet:**

Please click on icon below to download the MS Excel Spreadsheet:
:



- **A Multimedia Example:**

[Multimedia_Zipped](#) (12.9 MB).
[Microsoft Word File](#).

Please click on icon below to play multimedia online via links in PDF: :

- **A Published Multimedia Paper:**

[Multimedia_Zipped](#) (5.6 MB).

Please click on icon below to play multimedia online and see how a published multimedia paper looks like:

- **Multimedia Icons:**

[Icon_Zipped](#) package.

After inserting icons into your MS Word document, double click on them to set their height to 0.15 inches. :



- **A Multimedia Paper Prepared for the 2008 IEEE IUS (2J-5):**
[ZIP Package \(2J-5.zip\)](#) (3.8 MB).
[MS Word Document \(2J-5.doc\)](#).
 Multimedia contents can be played online via links in PDF:

- **A Multimedia Paper Published in the 2008 IEEE IUS Proceedings (2J-5):**
[ZIP Package](#) (2.6 MB).
 Multimedia contents can be played online via links in PDF:



Paper Submission Link:

IMPORTANT: Please notice that after you have proofread your paper, you should click the button, "**Submit My Paper**", and then get an automatic confirmation email containing your paper ID (the same ID number as your submitted abstract). If you do not receive such an email, your paper has not been transmitted to us and you should login to the system to complete your submission. (Please **REFRESH** your browser now to view an updated page that contains correct links!)

Online Paper Submission: <http://submissions.miracd.com/ius2008/> (Closed)

Questions on Paper Submission: Phone: (866)341-9589; Email: IUS2008@mirasmart.com

Appendix L. Student Paper Competition

1. Student Paper Competition Conditions

Student Paper Competition

Introduction:

This is the 8th year of the student paper competition (started from the [2001 IEEE International Ultrasonics Symposium](#) in Atlanta, Georgia, USA). The awards consist of a certificate, and are a prestigious addition to the student's CV. Students who are submitting abstracts for presentation are also invited to participate in this Student Paper Competition (see "Qualifications for Competition" below for conditions).

Abstracts submitted by students for the Student Paper Competition will be reviewed as usual by the Technical Program Committee ([TPC](#)). At that time the TPC will select [21 finalists](#) (9 from Group I, and 3 from each of Groups II to V) for the Student Paper Competition (roughly in proportion to the number of student abstracts submitted in each group). The finalists will be notified and asked to produce a poster of their papers to be displayed during a special student poster session that will be located in the foyer of the [2nd floor](#) of the Beijing International Convention Center (BICC). The poster is required independent of whether the student's paper has been selected as an oral presentation. The students should check the link, [Poster Presentation Guide](#), for the preparations of their posters. On the first day of the symposium, Monday, November 3, 2008, from 3:00 p.m. to 4:30 p.m., all Student Finalist Posters will be presented in a special section for judging by a panel of judges representing the paper's technical group. The posters will remain on display for the duration of the symposium (from Monday, November 3 to Wednesday, November 5, 2008).

[Seven awards](#) will be given and the winners will be honored during the [Tuesday Dinner/Shows](#) on November 4, 2008.

Qualifications for Competition:

- Student is first author
- Work is of high quality and done by the student
- Abstract clearly describes the work and includes results
- Student has not won the student prize award previously from any of the IEEE International Ultrasonics Symposia (correct information must be provided during the [abstract submission](#) to avoid problems later such as removal of the student from the competition finalists or retraction of the award)

Evaluation Criteria Used by Judges:

- Clarity of student's presentation
- Depth of student's knowledge
- Degree of the student's contribution to the project
- Relevancy of the work to the field

Prizes (Total 7) Will Be Given in the Following Five Areas of the Technical Program Committee:

- Medical Ultrasonics ([3 Awards](#))

- Sensors, NDE & Industrial Applications ([1 Award](#))
- Physical Acoustics ([1 Award](#))
- Microacoustics – SAW, FBAR, MEMS ([1 Award](#))
- Transducers & Transducer Materials ([1 Award](#))

2. Student Paper Competition Finalists

Student Paper Competition Finalists (21 in Total)

Student Paper Competition Finalists:

21 Student Paper Competition finalists have been selected during the 2nd [Technical Program Committee](#) meeting that was held from June 14-15, 2008 in Chicago, Illinois, USA. The finalists should check the award selection criteria and the requirements for their presentations at the link: [Student Paper Competition](#).

Photos and videos of the Student Paper Competition Finalists and the award winners are now available via "[Conference Photos/Videos](#)".

Note: The deadline, *Friday, August 1, 2008*, to resolve with your employers or any other concerned body for any intellectual property rights of the researches in the abstracts (please see "[Abstract Results](#)" for detail) has passed. The full abstracts of all the Student Paper Competition finalists are now available through the links below.

Group 1: Medical Ultrasonics (9 finalists):

- **[Finalist #1.1](#) (PS001-01) (3F-2) (Winner):** *Bo Wang (Presenter), Andrei Karpiouk, and Stanislav Emelianov, "Design of Catheter for Combined Intravascular Photoacoustic and Ultrasound Imaging,"* Biomedical Engineering, University of Texas at Austin, Austin, TX, USA. (Abstract ID: 309)
- **[Finalist #1.2](#) (PS002-02) (2F-6):** **Linsey C. Phillips (Presenter), *Alexander L. Klibanov, **Doug K. Bowles, *Brian R. Wamhoff, and *John A. Hossack, "Intra-Vascular Ultrasound (IVUS) Delivery of DNA Via Microbubble Carriers to an Injured Artery In vivo,"* *University of Virginia, Charlottesville, VA, USA, **University of Missouri, Columbia, MO, USA. (Abstract ID: 1094)
- **[Finalist #1.3](#) (PS003-03) (3E-5):** *Egon J.W. Merks (Presenter), Nicolaas Bom, Nico de Jong, and Antonius F.W. van der Steen, "Quantitative Bladder Volume Assessment on the Basis of Nonlinear Wave Propagation,"* Biomedical Engineering, Erasmus MC, Rotterdam, Netherlands. (Abstract ID: 291)
- **[Finalist #1.4](#) (PS004-04) (2D-3) (Winner):** *Hong Chen (Presenter), Andrew A. Brayman, Michael R. Bailey, and Thomas J. Matula, "Microbubble dynamics in microvessels: Observations of microvessel dilation, invagination and rupture,"* Center for Industrial and Medical Ultrasound, Applied Physics Laboratory, University of Washington, Seattle, WA, USA. (Abstract ID: 609)
- **[Finalist #1.5](#) (PS005-05) (2H-4):** **Adam Maxwell (Presenter), *Charles Cain, **Hitinder Gurm, ***J. Brian Fowlkes, and *Zhen Xu, "Non-invasive thrombolysis induced by histotripsy pulsed cavitation ultrasound therapy,"* *1Department of Biomedical Engineering, University of Michigan, Ann Arbor, Michigan, USA, **Department of Internal Medicine, University of Michigan, Ann Arbor, Michigan, USA, ***Department of Radiology, University of Michigan, Ann Arbor, Michigan, USA. (Abstract ID: 68)
- **[Finalist #1.6](#) (PS006-06) (2I-5):** **Jerome GATEAU (Presenter), **Laurent MARSAC, *Mathieu PERNOT, *Jean-Francois AUBRY, *Mickael TANTER, *Mathias FINK, "Reaching the optimal focusing and steering capabilities of transcranial HIFU arrays based on time reversal of acoustically induced cavitation bubble signature,"* *Laboratoire ondes et Acoustique, INSERM, CNRS UMR 7587, ESPCI, PARIS, France, **SUPERSONIC IMAGINE, Aix-en-Provence, France. (Abstract ID: 248)
- **[Finalist #1.7](#) (PS007-07) (2K-5):** *Shun-Li Wang (Presenter) and Pai-Chi Li, "High Frame Rate Adaptive Imaging Using Coherence Factor Weighting and the MVDR Method,"* National Taiwan University, Taipei, Taiwan. (Abstract ID: 1083)
- **[Finalist #1.8](#) (PS008-08) (1K-5) (Winner):** **Torbjørn Hergum (Presenter), *Thomas Renhult Skaug, **Knut Matre, and Hans Torp, "Estimation of Valvular Regurgitation Area by 3D HPRF Doppler,"*

*Department of circulation and medical imaging, Norwegian University of Science and Technology, Trondheim, Norway, **Institute of Medicine, University of Bergen, Bergen, Norway. (Abstract ID: 1040)

- **Finalist #1.9 (PS009-09) (2E-6): John Ballard (Presenter) and Emad Ebbini, "Image-Guided Refocusing of Dual-Mode Ultrasound Arrays(DMUAs),"** University of Minnesota, USA. (Abstract ID: 384)

Group 2: Sensors, NDE, and Industrial Application (3 finalists):

- **Finalist #2.1 (PS010-10) (5C-2): Donald McCann (Presenter), Mitchell Wark, Paul Millard, David Neivandt, and John Vetelino, "The Detection of Chemical and Biological Analytes Using a Monolithic Spiral Coil Acoustic Transduction Sensor,"** University of Maine, Orono, ME, USA. (Abstract ID: 131)
- **Finalist #2.2 (PS011-11) (5G-5) (Winner): *Sean Mc Sweeney (Presenter) and **WMD Wright, "Improving the Bandwidth of Air Coupled Capacitive Ultrasonic Transducers Using Selective Networks,"** *Electrical and Electronic Engineering Dept, University College Cork, National University of Ireland, Mallow, Cork, Ireland, **Electrical and Electronic Engineering, University College Cork, National University of Ireland, Cork, Cork, Ireland. (Abstract ID: 589)
- **Finalist #2.3 (PS012-12): Montserrat Parrilla (Presenter), Jose Brizuela, Jorge Camacho, Alberto Ibañez, Patricia Nevado, and Carlos Fritsch, "Dynamic focusing thorough arbitrary geometric interfaces,"** Instituto de Automática Industrial (CSIC), La Poveda (Arganda), Madrid, Spain. (Abstract ID: 154)

Group 3: Physical Acoustics (3 finalists):

- **Finalist #3.1 (PS013-13) (6E-5): Satyanarayan Bhuyan (Presenter) and Junhui Hu, "Wireless Drive of a Piezoelectric Plate by Dipole Antenna,"** Nanyang Technological University, Singapore. (Abstract ID: 72)
- **Finalist #3.2 (PS014-14) (6H-5) (Winner): Pierre-Adrien Mante (Presenter), Arnaud Devos, and Jean-François Robillard, "Towards thin film complete characterization using picosecond ultrasonics,"** IEMN-CNRS, France. (Abstract ID: 593)
- **Finalist #3.3 (PS015-15) (6H-6): *Taisuke Yoshida (Presenter), *Mami Matsukawa, and **Takahiko Yanagitani, "Simultaneous observation of induced longitudinal and shear acoustic phonons by Brillouin Scattering,"** *Faculty of Engineering, Doshisha University, Kyotanabe, Japan, **Department of Applied Physics, Nagoya Institute of Technology, Nagoya, Japan. (Abstract ID: 1015)

Group 4: Microacoustics - SAW, FBAW, MEMS (3 finalists):

- **Finalist #4.1 (PS016-16): Gunilla Wingqvist (Presenter), Lilia Arapan, Ventsislav Yantchev, and Ilia Katardjiev, "Temperature Compensation of Thin AlN Film Resonators utilizing the Lowest order Symmetric Lamb mode,"** Solid State Electronics, Uppsala University, Uppsala, Sweden. (Abstract ID: 620)
- **Finalist #4.2 (PS017-17) (4J-2): Yiliu Wang (Presenter), Ken-ya Hashimoto, Tatsuya Omori, and Masatsune Yamaguchi, "A Full-Wave Analysis of Surface Acoustic Waves Propagating on a SiO₂ Overlay/Metal Grating/Rotated YXLiNbO₃ Substrate Structure,"** Graduate School of Engineering, Chiba University, Chiba, Chiba, Japan. (Abstract ID: 217)
- **Finalist #4.3 (PS018-18) (4I-5) (Winner): Evgeny Milyutin (Presenter), and Paul Muralt, "Shear mode BAW resonator based on c-axis oriented AlN thin film,"** Ecole Polytechnique Federale de Lausanne, Switzerland. (Abstract ID: 522)

Group 5: Transducers and Transducer Materials (3 finalists):

- **Finalist #5.1 (PS019-19) (4D-3) (Winner): Hanne Martinussen (Presenter), Astrid Aksnes, and Helge E. Engan, "Investigation of charge diffusion in Capacitive Micromachined Ultrasonic Transducers (CMUTs) using optical interferometry,"** Electronics and Telecommunications, Norwegian University of Science and Technology, Trondheim, Norway. (Abstract ID: 274)

- [Finalist #5.2](#) (PS020-20) (3G-4): **Dawei Wu (Presenter), *Qifa Zhou, **Changgeng Liu, **Frank Djuth, and *K Kirk Shung, "High-frequency (>100MHz) Piezoelectric PZT Film Micromachined Ultrasonic Arrays,"* *NIH Transducer Resource Center and Department of Biomedical Engineering, University of Southern California, USA, **Geospace Research, Inc, USA. (Abstract ID: 858)
- [Finalist #5.3](#) (PS021-21): *Andrew Logan (Presenter) and John Yeow, "1-D CMUT Imaging Arrays Fabricated Using a Novel Wafer Bonding Process,"* Systems Design Engineering, University of Waterloo, Waterloo, Ontario, Canada. (Abstract ID: 418)

3. Student Paper Competition Winners

Student Paper Competition Winners (7 in Total)

Student Paper Competition Winners:

Seven winners of student paper competition were selected on Monday, November 3, 2008, from the 21 "[Student Paper Competition Finalists](#)" during the 2008 IEEE International Ultrasonics Symposium. The winners were also announced and honored during the [Banquet and Shows](#) of Tuesday evening, November 4, 2008.

Photos and videos of the ceremony of the winners of the student paper competition award are now available via "[Conference Photos/Videos](#)". The following is list of the award winners.

Group 1: Medical Ultrasonics (3 winners):

- [Finalist #1.1 \(PS001-01\) \(3F-2\)](#): *Bo Wang (Presenter), Andrei Karpiouk, and Stanislav Emelianov*, "**Design of Catheter for Combined Intravascular Photoacoustic and Ultrasound Imaging**," Biomedical Engineering, University of Texas at Austin, Austin, TX, USA. (Abstract ID: 309)
- [Finalist #1.4 \(PS004-04\) \(2D-3\)](#): *Hong Chen (Presenter), Andrew A. Brayman, Michael R. Bailey, and Thomas J. Matula*, "**Microbubble dynamics in microvessels: Observations of microvessel dilation, invagination and rupture**," Center for Industrial and Medical Ultrasound, Applied Physics Laboratory, University of Washington, Seattle, WA, USA. (Abstract ID: 609)
- [Finalist #1.8 \(PS008-08\) \(1K-5\)](#): **Torbjørn Hergum (Presenter), *Thomas Renhult Skaug, **Knut Matre, and Hans Torp*, "**Estimation of Valvular Regurgitation Area by 3D HPRF Doppler**," *Department of circulation and medical imaging, Norwegian University of Science and Technology, Trondheim, Norway, **Institute of Medicine, University of Bergen, Bergen, Norway. (Abstract ID: 1040)

Group 2: Sensors, NDE, and Industrial Application (1 winner):

- [Finalist #2.2 \(PS011-11\) \(5G-5\)](#): **Sean Mc Sweeney (Presenter) and **WMD Wright*, "**Improving the Bandwidth of Air Coupled Capacitive Ultrasonic Transducers Using Selective Networks**," *Electrical and Electronic Engineering Dept, University College Cork, National University of Ireland, Mallow, Cork, Ireland, **Electrical and Electronic Engineering, University College Cork, National University of Ireland, Cork, Cork, Ireland. (Abstract ID: 589)

Group 3: Physical Acoustics (1 winner):

- [Finalist #3.2 \(PS014-14\) \(6H-5\)](#): *Pierre-Adrien Mante (Presenter), Arnaud Devos, and Jean-François Robillard*, "**Towards thin film complete characterization using picosecond ultrasonics**," IEMN-CNRS, France. (Abstract ID: 593)

Group 4: Microacoustics - SAW, FBAW, MEMS (1 winner):

- [Finalist #4.3 \(PS018-18\) \(4I-5\)](#): *Evgeny Milyutin (Presenter), and Paul Muralt*, "**Shear mode BAW resonator based on c-axis oriented AlN thin film**," Ecole Polytechnique Federale de Lausanne, Switzerland. (Abstract ID: 522)

Group 5: Transducers and Transducer Materials (1 winner):

- **Finalist #5.1 (PS019-19) (4D-3):** *Hanne Martinussen (Presenter), Astrid Aksnes, and Helge E. Engan,* "Investigation of charge diffusion in Capacitive Micromachined Ultrasonic Transducers (CMUTs) using optical interferometry," Electronics and Telecommunications, Norwegian University of Science and Technology, Trondheim, Norway. (Abstract ID: 274)

Appendix M. Student Travel Support

Student Travel Support Award

1. Student Travel Support Conditions

Introduction:

The 2008 IEEE International Ultrasonics Symposium (IUS) will have a limited amount of funds to support student travels. If you are a student and are interested in getting such a support, please pay attention to the criteria in "[The Criteria for Student Travel Support](#)" for qualification. In addition, when submitting abstracts through our [abstract submission website](#) that is accessible from http://ewh.ieee.org/conf/ius_2008/, please make appropriate selections, provide all the information, and answer all the questions requested there (this may include basic information about your lab, your advisor, expected thesis completion date, and expected graduation date, etc). If you are submitting more than one abstract, you should provide the information for each of the abstracts submitted. If your request is approved, the money will be available at the Symposium registration desk. The amount of money for each student awarded may be different depending on the geographical location of the student. Awards will be made on a competitive basis (please see the criteria below). Award winners will be notified at about the same time as that of the abstract status notification (about two weeks after the end of the 2nd [Technical Program Committee](#) meeting, which will be held from June 14-15, 2008).

Please notice that the decisions on student travel support award are final. The awards are intended to partially defray the cost of the travel and are not intended to be sufficient to cover your entire travel expenses.

We look forward to your participation of the conference. See you in Beijing in November 2008.

The Criteria for Student Travel Support:

- Abstract is *accepted* and the student is the *presenter* of the abstract at the conference ([Student Paper Competition](#) Finalists may get a higher priority in getting the award given all other conditions are the same)
- The student is an IEEE as well as IEEE UFFC member (a valid IEEE membership # of the student should be provided during the abstract submission for verification). If you are not a member, please click the link, [Join IEEE UFFC](#), to join the IEEE UFFC society.
- The student has not previously received a travel support from any of the IEEE International Ultrasonics Symposia (the student must provide correct information during [abstract submission](#) to avoid the award being retracted later)
- Is still a student at the time of the conference (a valid student ID is needed to get the award money)
- Only one student from each lab or advisor could be supported

2. Student Travel Support Awardees

Students Approved for the Travel Support Award from the 2008 IEEE IUS:

The following students have been approved for the travel support award by the 2008 IEEE International Ultrasonics Symposium. The award notification emails have been sent to the students or the submitting authors on July 2, 2008.

To actually receive the award money, students should show clear evidence of both IEEE and IEEE UFFC memberships (such as receipts of both IEEE and IEEE UFFC memberships from an IEEE web account), present the IEEE membership card, and show valid student identification (ID). In addition, students should meet all the conditions listed above, "[The Criteria for Student Travel Support](#)", such as, the student must be a presenter of the abstract and have not received any travel support from any previous IEEE International Ultrasonics Symposia. The 2008 IEEE IUS reserves the right to retract the award for any student who does not meet the stated requirements above. When all the conditions above are met, the money will be available for the students to pick up on the registration desks in Beijing during the conference.

1. **4I-4: Alvaro Artieda (Presenter) and Paul Muralt, "Growth of AlN on SiO₂ for high-Q composite Thin Film Bulk Acoustic Wave Resonators,"** Ecole Polytechnique Federale de Lausanne, Switzerland. (Abstract ID: 534)
2. **2E-6 and PS009-09: John Ballard (Presenter) and Emad Ebbini, "Image-Guided Refocusing of Dual-Mode Ultrasound Arrays(DMUAs),"** 1University of Minnesota, USA. (Abstract ID: 384)
3. **4A-3: A.L. Bernassau (Presenter), D. Hutson, C.E.M. Démoré, and S. Cochran, "Characterisation of an Epoxy Composite Filler Suitable for Microfabrication Processes,"** Institute of Medical Science and Technology, United Kingdom. (Abstract ID: 290)
4. **3E-1: Cormac Cannon (Presenter), John Hannah, and Steve McLaughlin, "Mirrored Motion-Compensation for Complementary-Coded Medical Ultrasonic Imaging,"** Institute of Digital Communications, University of Edinburgh, Edinburgh, Lothians, United Kingdom. (Abstract ID: 373)
5. **2D-4: *Charles Caskey (Presenter), *Shengping Qin, **Paul Dayton, and *Katherine Ferrara, "Parameter space for microbubble wall interaction estimated from gel phantom,"** *Biomedical Engineering, University of California at Davis, USA, **Biomedical Engineering, University of North Carolina, USA. (Abstract ID: 614)
6. **2D-3 and PS004-04: Hong Chen (Presenter), Andrew A. Brayman, Michael R. Bailey, and Thomas J. Matula, "Microbubble dynamics in microvessels: Observations of microvessel dilation, invagination and rupture,"** Center for Industrial and Medical Ultrasound, Applied Physics Laboratory, University of Washington, Seattle, WA, USA. (Abstract ID: 609)
7. **P2A024-02: *Ruimin Chen (Presenter), **Dong-Guk Paeng, ***Naoki Matsuoka, ***Hossein Ameri, *Qifa Zhou, ***Mark Humayun, and *K. Kirk Shung, "Ultrasonic Doppler Measurements of Blood Flow Velocity of Rabbit Retinal Vessels with High-Frequency Angled Needle Transducer,"** *Department of Biomedical Engineering, University of Southern California, USA, **Marine Industrial Engineering, Cheju National University, Korea, Republic of, ***Doheny Eye Institute, University of Southern California, USA. (Abstract ID: 652)
8. **P3H081-02: *Peter Davulis (Presenter), **Amit Shyam, **Edgar Lara-Curzio, and *Mauricio Pereira da Cunha, "High Temperature Elastic Constants of Langatate from RUS Measurements up to 1100 deg-C,"** *Electrical and Computer Engineering, University of Maine, Orono, ME, USA, **High Temperature Materials Laboratory, Oak Ridge National Laboratory, Oak Ridge, TN, USA. (Abstract ID: 166)
9. **3F-2 and PS001-01: Bo Wang (Presenter) Andrei Karpiouk, and Stanislav Emelianov, "Design of Catheter for Combined Intravascular Photoacoustic and Ultrasound Imaging,"** Biomedical Engineering, University of Texas at Austin, Austin, TX, USA. (Abstract ID: 309)
10. **6G-6: *Sergeev Fedor (Presenter), **Georgy Mansfeld, *Sergey Alekseev, **Natalia Polzikova, and **Iosif Kotelyanskii, "VISCOSITY TENSOR COMPONENTS OF THE LANGATATE AND LANGASITE,"** *Moscow Institute of Physics and Technology, Moscow, Russian Federation, **Institute of Radioengineering and Electronics RAS, Moscow, Russian Federation. (Abstract ID: 970)
11. **2I-5 and PS006-06: *Jerome GATEAU (Presenter), **Laurent MARSAC, *Mathieu PERNOT, *Jean-Francois AUBRY, *Mickael TANTER, and *Mathias FINK, "Reaching the optimal focusing and steering capabilities of transcranial HIFU arrays based on time reversal of acoustically induced cavitation bubble signature,"** *Laboratoire ondes et Acoustique, INSERM, CNRS UMR 7587, ESPCI, PARIS, France, **SUPERSONIC IMAGINE, Aix-en-Provence, France. (Abstract ID: 248)
12. **P2C043-03: *Francesco Guidi (Presenter), *Riccardo Mori, **Hendrik Vos, **Nico de Jong, and *Piero Tortoli, "Ultrasound Induced Deflation: a method to study the behavior of single bubbles with varying**

- diameter,"** *Electronic and Telecommunication, University of Florence, Florence, FI, Italy, **Biomedical Engineering, Erasmus University, Rotterdam, Netherlands. (Abstract ID: 810)
13. **4D-5: *Gokce Gurun (Presenter), *Muhammad Shakeel Qureshi, *Mujdat Balantekin, *Rasim Guldiken, *Jaime Zahorian, *Sheng-Yu Peng, *Arindam Basu, **Mustafa Karaman, *Paul Hasler, and *Levent Degertekin, "Front-end CMOS electronics for monolithic integration with CMUT arrays: Circuit design and initial experimental results,"** *Georgia Institute of Technology, USA, **Isik University, Turkey. (Abstract ID: 616)
 14. **5F-5: Sevan Harput (Presenter), Ayhan Bozkurt, and Feysel Yalcin Yamaner, "Ultrasonic Phased Array Device for Acoustic Imaging in Air,"** Acoustic Group, Sabanci University, Istanbul, Turkey. (Abstract ID: 1043)
 15. **6F-1: Kevin Haworth (Presenter) and Oliver Kripfgans, "Initial Growth of Ultrasonically Vaporized Perfluorocarbon Microdroplets,"** Radiology, University of Michigan, Ann Arbor, MI, USA. (Abstract ID: 1119)
 16. **1K-5 and PS008-08: *Torbjørn Hergum (Presenter), *Thomas Renhult Skaug, **Knut Matre, and *Hans Torp, "Estimation of Valvular Regurgitation Area by 3D HPRF Doppler,"** *Department of circulation and medical imaging, Norwegian University of Science and Technology, Trondheim, Norway, **Institute of Medicine, University of Bergen, Bergen, Norway. (Abstract ID: 1040)
 17. **2K-3: *Iben Kraglund Holfort (Presenter), **Fredrik Gran, and *Joergen Arendt Jensen, "Investigation of Sound Speed Errors in Adaptive Beamforming,"** *Center for Fast Ultrasound Imaging, Technical University of Denmark, Kgs. Lyngby, Denmark, **GN ReSound A/S, Ballerup, Denmark. (Abstract ID: 302)
 18. **P1B031-04: *Fong Ming Hooi (Presenter), **Kai Thomenius, **Rayette A. Fisher, and *Paul L. Carson, "Optimization of Beams with Nonspherical Extended Depths of Focus for Reconfigurable 2D Arrays,"** *University of Michigan, Ann Arbor, MI, USA, **GE Global Research, Niskayuna, NY, USA. (Abstract ID: 844)
 19. **1J-5: *Congxian Jia (Presenter), *Ragnar Olafsson, **Kang Kim, ***Theodore J Kolias, ****Jonathan M Rubin, *****Hua Xie, *****Matthew O'Donnell, "2D Speckle Tracking vs DTI-derived Elasticity Imaging on an Isolated Rabbit Heart,"** *Biomedical Engineering, University of Michigan, Ann Arbor, MI, USA, **Cardiovascular Institute, University of Pittsburgh, Pittsburgh, PA, USA, ***Internal Medicine, University of Michigan, Ann Arbor, MI, USA, ****Radiology, University of Michigan, Ann Arbor, MI, USA, *****Philips Research North America, Briarcliff Manor, NY, USA, *****Bioengineering and Mechanical Engineering, University of Washington, Seattle, WA, USA. (Abstract ID: 966)
 20. **2D-1: *Klazina Kooiman (Presenter), **Marcel R. Böhmer, *Marcia Emmer, *Hendrik J. Vos, **Ceciel Chlon, ***William T. Shi, ***Christopher S. Hall, **Suzanne H.P.M. de Winter, ****Karin Schroën, *****Michel Versluis, *Nico de Jong, and *Annemieke van Wamel, "Oil-filled polymeric ultrasound contrast agent as local drug delivery system for lipophilic drugs,"** *Biomedical Engineering, Erasmus MC, Rotterdam, Netherlands, **Biomolecular Engineering, Philips Research Laboratories Eindhoven, Eindhoven, Netherlands, ***Philips Research North America, Briarcliff Manor, USA, ****Food and Bioprocess Engineering Group, Department of Agrotechnology and Food Sciences, Wageningen University, Wageningen, Netherlands, *****Applied Physics, Physics of Fluids, University of Twente, Enschede, Netherlands. (Abstract ID: 220)
 21. **3A-4: *Muyinatu Lediju (Presenter), *Michael Pihl, *Stephen Hsu, *Jeremy Dahl, **Caterina Gallippi, and *Gregg Trahey, "Magnitude, Origins, and Reduction of Abdominal Ultrasonic Clutter,"** *Biomedical Engineering, Duke University, Durham, NC, USA, **Biomedical Engineering, University of North Carolina, Chapel Hill, NC, USA. (Abstract ID: 396)
 22. **P2P139-05: Hyunjoo Lee (Presenter), Kwanky Park, Omer Oralkan, Mario Kupnik, and Butrus (Pierre) Khuri-Yakub, "The effect of parallelism of CMUT cells on phase noise for chem/bio sensor applications,"** E. L. Ginzton Laboratory, Stanford University, Stanford, CA, USA. (Abstract ID: 817)
 23. **1J-6: Wei-Ning Lee (Presenter), Jean Provost, Shougang Wang, Kana Fujikura, Jie Wang, and Elisa E. Konofagou, "In Vivo Validation of Myocardial Elastography at Variable Levels of Ischemia,"** Columbia University, New York, NY, USA. (Abstract ID: 1039)
 24. **6K-4: Mathieu Legros (Presenter), Guillaume Férin, Cyril Meynier, and Rémi Dufait, "Piezocomposite and CMUT Arrays Assessment Trough In Vitro Imaging Performances,"** Vermon S.A., Tours, France. (Abstract ID: 579)

25. **2K-5 and PS007-07: Shun-Li Wang (Presenter) and Pai-Chi Li, "High Frame Rate Adaptive Imaging Using Coherence Factor Weighting and the MVDR Method,"** National Taiwan University, Taipei, Taiwan. (Abstract ID: 1083)
26. **PS021-21: Andrew Logan (Presenter) and John Yeow, "1-D CMUT Imaging Arrays Fabricated Using a Novel Wafer Bonding Process,"** Systems Design Engineering, University of Waterloo, Waterloo, Ontario, Canada. (Abstract ID: 418)
27. **1J-2: *Richard G.P. Lopata (Presenter), *Maartje M. Nillesen, *Inge H. Gerrits, **Livia Kapusta, *Johan M. Thijssen, and Chris L. de Korte, "BiPlane Cardiac Strain Imaging: A Study on Valvular Aortic Stenosis,"** *Clinical Physics Laboratory, Department of Pediatrics, Radboud University Nijmegen Medical Centre, Nijmegen, Netherlands, **Children's Heart Centre, Radboud University Nijmegen Medical Centre, Netherlands. (Abstract ID: 227)
28. **P2M125-08: Dharshanie Mahadeva (Presenter), Roger C Baker, and Jim Woodhouse, "Clamp-on Ultrasonic Flowmeters,"** University of Cambridge, United Kingdom. (Abstract ID: 412)
29. **2H-4 and PS005-05: *Adam Maxwell (Presenter), *Charles Cain, **Hitinder Gurm, ***J. Brian Fowlkes, and *Zhen Xu, "Non-invasive thrombolysis induced by histotripsy pulsed cavitation ultrasound therapy,"** *Department of Biomedical Engineering, University of Michigan, Ann Arbor, Michigan, USA, **Department of Internal Medicine, University of Michigan, Ann Arbor, Michigan, USA, 3Department of Radiology, University of Michigan, Ann Arbor, Michigan, USA. (Abstract ID: 68)
30. **5C-2 and PS010-10: Donald McCann (Presenter), Mitchell Wark, Paul Millard, David Neivandt, and John Vetelino, "The Detection of Chemical and Biological Analytes Using a Monolithic Spiral Coil Acoustic Transduction Sensor,"** University of Maine, Orono, ME, USA. (Abstract ID: 131)
31. **3E-5 and PS003-03: Egon J.W. Merks (Presenter), Nicolaas Bom, Nico de Jong, and Antonius F.W. van der Steen, "Quantitative Bladder Volume Assessment on the Basis of Nonlinear Wave Propagation,"** Biomedical Engineering, ErasmusMC, Rotterdam, Netherlands. (Abstract ID: 291)
32. **5F-3: *Jun-ichi Kushibiki, *Mototaka Arakawa, and **Kenji Otsu (Presenter), "Measurement Model for Attenuation of Leaky Surface Acoustic Waves by the Line-Focus-Beam Ultrasonic Material Characterization System,"** *Electrical Engineering, Tohoku University, Sendai, Japan, **Biomedical Engineering, Tohoku University, Sendai, Japan. (Abstract ID: 972)
33. **2C-1: Thiên-Ly Pham (Presenter), Maryline Talmant, and Pascal Laugier, "How Ultrasound Bidirectional Axial Transmission Reflects Geometry of Long Bones?"** Université Pierre et Marie Curie Paris 6, CNRS, Laboratoire d'Imagerie Paramétrique, Paris, France. (Abstract ID: 583)
34. **2F-6 and PS002-02: *Linsey C. Phillips (Presenter), *Alexander L. Klibanov, **Doug K. Bowles, *Brian R. Wamhoff, and *John A. Hossack, "Intra-Vascular Ultrasound (IVUS) Delivery of DNA Via Microbubble Carriers to an Injured Artery In vivo,"** *University of Virginia, Charlottesville, VA, USA, **University of Missouri, Columbia, MO, USA. (Abstract ID: 1094)
35. **5J-2: *Christian Riesch (Presenter), **Erwin K. Reichel, *Franz Keplinger, and **Bernhard Jakoby, "Frequency response of a micromachined doubly-clamped vibrating beam for the measurement of liquid properties,"** *Institute of Sensor and Actuator Systems, Vienna University of Technology, Vienna, Austria, **Institute for Microelectronics and Microsensors, Johannes Kepler University, Linz, Austria. (Abstract ID: 46)
36. **4H-6: Thierry AUBERT (Presenter), Frederic SARRY, Omar Elmazria, Laurent BOUVOT, Badreddine ASSOUAR, and Pascal NICOLAY, "Extraction of COM parameters on Pt/LGS for high temperature SAW sensor,"** Laboratoire de Physique des Milieux Ionisés et Applications UMR 7040, Nancy University-CNRS, Vandoeuvre les Nancy, France. (Abstract ID: 530)
37. **2J-6: Chi Hyung Seo (Presenter) and Jesse T. Yen, "The effect of cross-correlation method on the dual apodization with cross-correlation algorithm,"** University of Southern California, USA. (Abstract ID: 657)
38. **3K-1: *Michael R. Sprague (Presenter), *David E. Goertz, **Emmanuel Chérin, *Raffi Karshafian, and *F. Stuart Foster, "Acoustic Characterisation of Individual Targeted Microbubbles with High-Frequency Ultrasound,"** *Department of Medical Biophysics, University of Toronto, Canada, **Sunnybrook Health Sciences Centre, Toronto, Canada. (Abstract ID: 991)
39. **2F-3: *Kun-Che Tsai (Presenter), **Lih-Hwa Hwang, *Shu-Jyuan Yang, **Che-kang Liao, *Win-Li Lin1, Ming-Jium Shieh, ***Wen-Shiang Chen, "Enhancement of Antiangiogenic Gene Therapy on Hepatocellular Carcinoma by Endostatin and Sonoporation,"** *Institute of Biomedical Engineering,

- National Taiwan University, Taipei, Taiwan, **Institute of Microbiology, National Taiwan University, Taipei, Taiwan, ***Department of Physical Medicine and Rehabilitation, National Taiwan University Hospital, Taipei, Taiwan. (Abstract ID: 447)
40. **2C-3: *Maria Vavva (Presenter), **Vasilios Protopappas, ***Leonidas Gergidis, ***Antonios Charalambopoulos, **Dimitrios Fotiadis, and ****Demos Polyzos, "A theoretical and experimental study of bone's microstructural effect on the dispersion of ultrasonic guided waves,"** *Material Science and Engineering, University of Ioannina, Ioannina, Ioannina, Greece, **Unit of Medical Technology and Intelligent Information Systems, University of Ioannina, Greece, ***Material Science and Engineering, University of Ioannina, Greece, ****Mechanical Engineering and Aeronautics, University of Patras, Greece. (Abstract ID: 551)
 41. **P1D065-07: Bo Wang (Presenter) and Dong C. Liu, "Semi-Implicit Scheme based Nonlinear Diffusion Method in Ultrasound Speckle Reduction,"** 1Computer Science College, Sichuan University, Chengdu, Sichuan, China. (Abstract ID: 687)
 42. **P2O133-04: *Hao Wang (Presenter), **Weibiao Wang, ***Jiming Lin, *Xianglong Shi, *Haodong Wu, and *Yongan Shui, "Precise Extraction of P-matrix as Frequency Dependent Function for Leaky Surface Acoustic Wave,"** *Key Laboratory of Modern Acoustics, Institute of Acoustics, Nanjing University, Nanjing, Jiangsu, China, **Shoulder Electronics Limited, Wuxi, Jiangsu, China, ***Information and Communication College, Guilin University of Electronic Technology, Guilin, Guangxi, China. (Abstract ID: 964)
 43. **1A-2: *Mengli Wang (Presenter), *Jingkuang Chen, *Xiaoyang Cheng, **Tongsheng Zhang, and ***Xueyuan Liu, "A Bi-directional, Real-time Blood Flowmeter using an Implantable CMUT Array,"** *Electrical Engineering, university of new mexico, USA, **Department of Neurology, university of new mexico, USA, ***The Eastman Kodak Company, USA. (Abstract ID: 628)
 44. **4J-2 and PS017-17: Yiliu Wang (Presenter), Ken-ya Hashimoto, Tatsuya Omori, and Masatsune Yamaguchi, "A Full-Wave Analysis of Surface Acoustic Waves Propagating on a SiO₂ Overlay/Metal Grating/Rotated YX-LiNbO₃ Substrate Structure,"** Graduate School of Engineering, Chiba University, Chiba, Chiba, Japan. (Abstract ID: 217)
 45. **P1I099-08: Derek Wright (Presenter) and Richard Cobbold, "Properties of a Phononic Crystal with Band-Gaps and Anomalous Ultrasound Refraction,"** Inst. Biomat. Biomed. Eng., University of Toronto, Toronto, Ontario, Canada. (Abstract ID: 1051)
 46. **3G-4 and PS020-20: *Dawei Wu (Presenter), *Qifa Zhou, **Changgeng Liu, **Frank Djuth, *K Kirk Shung, "High-frequency (>100MHz) Piezoelectric PZT Film Micromachined Ultrasonic Arrays,"** *NIH Transducer Resource Center and Department of Biomedical Engineering, University of Southern California, USA, **Geospace Research, Inc, USA. (Abstract ID: 858)
 47. **5D-6: *Kuo-Ting Wu (Presenter), **Makiko Kobayashi, and **Cheng-Kuei Jen, "Smart Screws as Load and Temperature Probes,"** *Electrical and Computer Engineering, McGill University, Canada, **Industrial Materials Institute, National Research Council Canada, Canada. (Abstract ID: 1066)
 48. **P3B036-07: *Yuichiro Yaoi (Presenter), **Kazufumi Yamamoto, *Takaaki Koizumi, *Mami Matsukawa, **Kaoru Yamazaki, **Akira Nagano, "Anisotropy of ultrasonic longitudinal wave in the cortical bone of bovine femur,"** *Doshisha University, Kyotanabe, Kyoto, Japan, **Hamamatsu University School of Medicine, Hamamatsu, Shizuoka, Japan. (Abstract ID: 597)
 49. **1F-2: Liang Zhai (Presenter), Jeremy Dahl, and Kathy Nightingale, "Towards Three-dimensional Acoustic Radiation Force Impulse (ARFI) Imaging of Human Prostates in vivo,"** Biomedical Engineering, Duke University, USA. (Abstract ID: 978)
 50. **1A-4: *Fuxing Zhang (Presenter), **Craig Lanning, *Luciano Mazzaro, *Bryan Rech, *Jiusheng Chen, ***S. James Chen, *Robin Shandas, and **Robin Shandas, "Systematic Validation of the Echo Particle Image Velocimetry Technique using a Patient Specific Carotid Bifurcation Model,"** *Dept. of Mechanical Engineering, University of Colorado at Boulder, Boulder, CO, USA, **Dept. of Pediatric Cardiology, The Children's Hospital, Aurora, CO, USA, ***Division of Cardiology, Univ. of Colorado Health Science Center, Aurora, CO, USA. (Abstract ID: 637)

Appendix N. Guides for Oral and Poster Presenters

1. Oral Presentations

Guidelines for Oral Presentations and Speaker Ready Room

Observing Your Allotted Time:

- The total time allotted to each speaker is 15 minutes. You should plan to speak for 12 minutes and leave 3 minutes for questions.
- Invited speakers have twice this time, 30 minutes in total.
- There is NO EXCUSE for using more than your allotted time. Rehearse your presentation several times; projecting slides and doing anything else you would otherwise expect to do at the meeting. It is a discourtesy to your audience, the [Session Chair](#) and the other speakers to exceed your allotted time. The [Session Chairs](#) are instructed to adhere to the printed schedule for the session. With parallel sessions this is critical to the overall success of the conference.

Organization of Oral Sessions:

- There are six parallel sessions in the conference and an abstract label (in either the Program or Abstract Book) includes information of a session. For example, the abstract label "**1A-1**" has the following meaning: The number "1" before the letter "A" represents the first of the 6 parallel sessions and the session will stay in the same room during the three days of the conference (please notice that the parallel sessions "3-6", which will be in different rooms on the first day, Monday, November 3, 2008, of the conference, are an exception to this rule). The letter "A" (A-Z) is a session label that may indicate a different research topic (each session will be one-and-a-half hour long). The number "1" after the dash is the abstract sequence number within the session. Best efforts are made by the [Technical Program Committee](#) to minimize conflicts of topics among the parallel sections.

Avoiding Technical Problems:

- **Audio and Video Equipment Provided at the Conference:** The conference will be equipped with a computer video projector and a computer that is connected to the projector for each oral presentation room. A manual video switch will be provided to allow several computers to be hooked before each session starts. Normal audio equipment such as microphones will be provided.
- **Software Used in the Conference:** The computers at the Beijing International Convention Center (BICC) are equipped with *Windows XP* as well as *Microsoft Office 2002 (Office Xp)*, which includes the *PowerPoint 2002 (Xp)*. The PowerPoint is the preferred projection software offered at the conference. If the PowerPoint versions in your computers are newer than that used in the conference, please save your presentations in the older version for compatibility. Otherwise, your PowerPoint files may NOT be readable by the conference computers!
- **Avoid Font Problems:** Since your computer may have sophisticated fonts (such as special equation symbols) that the conference computers do not have, it is suggested that when you save your PowerPoint presentations, use "Save As" from your "File" pull-down menu. When a dialog box pops up, click on the "Tools" menu on that dialog box and select "Save Options". Then, check the option "Embed true type fonts". Click "OK" and

then click "Save". This allows you to include the fonts you are using in your presentations to minimize the font incompatibility problems. Otherwise, any fonts that are not recognized by the conference computers would be incomprehensible. In addition to the default ".ppt" file format, we suggest that you also save a copy of your presentations in the ".pps" (PowerPoint Show) format for safe (the ".pps" version may also include some of the special fonts in your presentations). If you have a full version of [Adobe Acrobat](#), we suggest you also save (or print) your presentations into a ".pdf" format and thus you will be able to use the free [Adobe Reader](#) software to present in case nothing else would work.

- **Movies or Videos:** If you have movies or videos, the best way to present them properly is to use your own laptop computers since the conference computers may not have the [Code/Decode](#) (Codec) software that is necessary to play your movies or videos. If you do not wish to bring your own computers, you may have to convert all of your movies and videos to the [Moving Picture Experts Group 1 \(MPEG1\)](#) format to ensure a cross-platform compatibility. In addition, the movie or video files should be placed where the links in your presentations are pointing to. To make it easy, you could place the movies and videos in the same folder as your ".ppt" or ".pps" files when you prepare your presentations and then copy all these files together to a folder or the desktop of the conference computers.
- **USB Thumb Drives:** Nowadays it is convenient to save your PowerPoint presentations in a [USB 2.0](#) thumb drive. The conference computers will be equipped with the [USB 2.0 interfaces](#). However, some USB drives may have security or driver issues that may prevent the drives from being recognized by the conference computers. Please scan your USB drives to remove [viruses](#) if there are any before you bring them to the conference.
- **CD or DVD Backup:** You could also save a copy of your presentation on a [CD-R, CD-RW, DVD+/-R, or DVD+/-RW](#) as a backup in case your USB thumb drives do not work with the conference computers (such as missing drivers or having security protections). When you use CD or DVD media, you should "close" (not be able to add any more files) them to increase the chance that these media could be read by the conference computers. If you use DirectCD to save your presentations, please make sure they are readable in a computer without DirectCD software installed.
- **VGA Adapters:** The conference computer projectors will be equipped only with a standard 15-pin analog [Video Graphic Array \(VGA\)](#) connector. If you decide to bring your laptop computers that do not have a VGA port, it is your responsibility to bring all necessary video output adapters with you so that your computers can be connected to the projectors (your computer vendors usually sell or ship such converters with your computers). In addition, the highest resolution of the computer projectors is [1024 x 768](#) pixels and the resolution of your laptop computers may need to be adjusted properly.
- **110V-220V Voltage Converters:** China uses 220V/50Hz as its power standard. If your laptop computers do not work with 220V/50Hz, it is your responsibility to bring all necessary power converters. In addition, please plug the power adapters into the [power strips](#) so that your laptop computers will not run out of power during your presentations. Please also notice that the plug of the power adapter of your laptop computer may not necessarily fit with the 220V power strip. In this case, [international converters/adaptors](#) ([1](#), [2](#), [3](#)) may be needed for you to use the power strips.
- **Backup Your Laptop Computers:** We suggest you make a copy of your presentations on a USB thumb drive in case your computers are damaged, lost, or cannot be used for whatever reasons.

Things Must Be Done or Notice before Your Presentations:

- The schedule of the [Speaker Ready](#) room ([Conference Room 310](#)) is as follows:

Saturday, November 1: 2:00 p.m. - 5:00 p.m. (for short courses speakers).

Sunday, November 2: 7:30 a.m. - 12:00 noon; 1:00 p.m. - 5:00 p.m.

Monday-Wednesday (November 3-5): 7:30 a.m. - 5:00 p.m.

- One day before your presentation, please go to the Speaker Ready room located at [Conference Room 310](#) at the [3rd floor](#) of the Beijing International Convention Center (BICC) to test the compatibility between your USB thumb drives and the conference computers (check if the drivers for the USB thumb drives could be

installed properly), if your CD or DVD will work, if the PowerPoint software of the conference computers is compatible with your presentations, if your movies or videos will play on the conference computer, and/or test the compatibility between your laptop computers and the computer projectors. To avoid last-minute technical issues of your presentations, please prepare backups of the presentations in different storage media and formats as mentioned above, "Avoiding Technical Problems". Please notice that it is the presenters' responsibility to be familiar with the operations of their own laptop computers.

- On the day of your presentation, please plan to arrive at your session at least fifteen minutes before the start of the session. This will give you time to introduce yourself to the [Session Chair](#), familiarize yourself with the podium controls, the session computers, and other equipment, and verify that your presentation projects correctly. It is distracting and wastes precious time when a speaker fumbles with or misuses the Audio/Visual (A/V) equipment.
- AN ORAL PRESENTATION THAT IS NOT PRESENTED DURING THE SCHEDULED TIME SLOT AND SESSION BY YOURSELF OR BY SOMEONE DESIGNATED BY YOU WILL NOT BE INCLUDED IN THE CONFERENCE PROCEEDINGS, ALTHOUGH YOU MAY HAVE SUBMITTED THE PAPER TO THE CONFERENCE. TALKS SHOULD NOT BE MOVED TO ANY OPEN SLOTS. THIS WILL ALLOW ATTENDEES TO SWITCH AMONG PARALLEL SESSIONS.

Good Practices:

- Show no more than 1 slide per minute of speaking time. This means approximately 10-12 slides MAXIMUM for the 12 minutes of presentation at the symposium. Remember, the last three minutes of the presentation are for questions from the audience. It detracts from the quality of the presentation to flash numerous graphs, equations, or tables on the screen in rapid sequence in an effort to squeeze a presentation into its allotted time.
- Make the letters on your slides BIG ENOUGH. Suggested minimum font is 14.
- Put no more than 12 lines of text or 4 curves on any slide.
- Avoid lengthy tabulations of numerical data and limit equations to those for which the terms can be properly defined.
- When you display a curve, tell the audience what they should be looking for in order to grasp the point you are trying to make. The audience will not have time to figure it out for themselves.
- Use repetition in your talk to ensure the facts are understood by the audience.
- In addition to the body of the talk, present an introduction and a summary or conclusion.
- Include only information or data that can be properly explained in the allotted time.
- Your audience needs time to interpret the data that you present. While you are very familiar with the data displayed, the audience is not. Describe the abscissa, coordinates, units and the legend for each curve.
- Repeat any questions that are posed to you.
- If a question requires a lengthy reply, suggest that you and the person asking the question meet after the presentation. Then take the discussion out of the meeting room.

2. Poster Presentations

Guidelines for Poster Presentations

Locate Your Poster Boards:

- Posters are arranged in the foyers of both the 2nd and the 3rd floors of the Beijing International Convention Center (BICC).
- To locate your poster board, understanding the format of the poster label of your abstract is a key. For example, the poster label, "**P2A123-01**", has the following meaning: "PS", "P1", "P2", and "P3" represent the [Student Competition Finalist](#), the first, the second, and the third day posters, respectively; "123" after the letter "A" means the Poster Board Location #123 (each side of a double-sided board is counted as one board location), which you can use to locate the board with the poster map (see the link "[Condensed Program](#)") that will be included in both the [Full Program \(Program Book\)](#) and [Abstract Book](#) (the *poster map* can also be found via the link, "[BICC Floor Plan / Location](#)", and will be shown in the Beijing International Convention Center (BICC)); the letter "A" (A-Z), after "P1", "P2", or "P3" is a session number, which is different for a different research topic; the number "01" after the dash "-" is your poster sequential number within Session A.

Please notice that the 21 posters of the [Student Competition Finalists](#) should be displayed for the duration of the conference (3 days), although they will be defended only on the first day, Monday, November 3, 2008, from 3:00 p.m. - 4:30 p.m.

Important Information for Presenters:

- The area (excluding frames) of the poster board in BICC is about **94 cm (37") high x 190 cm (75") wide**. Your poster should not exceed **165 cm** (about 65") wide to allow poster board location # and labels (such as 050 and P1A050-003) to be placed on a top corner of the board. Two such poster areas may be available for an invited poster presenter (for 2008 IEEE IUS, there will be no invited posters).
- Posters may be mounted using **double-sided thin tape**. (The board is made of laminated three-layer hard wood with white hard plastic coating. The surfaces of the board are **glossy** with a fine texture. See the photos below. Therefore, pins should not be used to avoid damaging the boards.) The tapes will be available from the conference registration desk. Please do not use a foam tape that would be difficult to clean after the conference.



A Sample Poster Board (Click Image to Enlarge!)



Poster Board Surface (Click Image to Enlarge!)

- The designated poster presentation time is from 3:00 p.m. to 4:30 p.m. every day from Monday, November 3, to Wednesday, November 5, 2008. Each poster presenter is required to defend his/her poster during this time for the paper to be included in the conference proceedings.
- There is only one poster session per day and the poster board is available from 8:00 a.m. to 6:30 p.m. Therefore, we recommend that you post your poster around 8:00 a.m. and take it off shortly before 6:30 p.m. This will maximize the exposure of your research results since some attendees, for various reasons, may not have a chance to view your posters during the designated poster presentation time.
- Posters (except for the [Student Competition Finalists](#)) should not be left overnight. The Conference Organizing Committee will not be responsible for lost posters if they are left overnight. Posters left on the boards after 6:30 p.m. will be removed.
- Please plan to arrive at least 15 minutes before the start of your poster session.
- Please introduce yourself to the [Session Chair](#). If you have someone else defending your poster presentation, please have that person introduce himself or herself to the [Session Chair](#). POSTER PRESENTATIONS THAT ARE NOT DEFENDED (MEANING THEY DO NOT HAVE SOMEONE KNOWLEDGEABLE OF THE CONTENT OF THE PRESENTATION PRESENT) WILL NOT BE INCLUDED IN THE CONFERENCE PROCEEDINGS, ALTHOUGH YOU MAY HAVE SUBMITTED THEM TO THE CONFERENCE.

Good Practices:

- Simply posting the pages of your written version of the proceedings paper is NOT an effective Poster Paper Presentation. Posters need to be prepared specifically according to the following for effective presentations.
- The title of your poster paper should be done in block letters which are AT LEAST 8 to 10 cm (3 to 4 inches) high.
- All text must be easily readable from a distance of 1 to 2 meters. Make the lettering at least 1 cm high, smaller lettering will not be legible from a distance of 1 to 2 meters.
- All graphs and charts should be AT LEAST 25 X 30 cm (approximately 8.5 x 11 inches) or larger.
- It is a good idea to sequentially number your materials in the poster. This will indicate to the viewer a logical progression through your Poster Paper Presentation.
- Provide an introduction (outline) and a summary or conclusion for your Poster Paper Presentation.
- Prepare your Poster Paper Presentation carefully so that it can be used as the basis to explain and answer questions from the viewers.
- It is helpful to have copies of the written version of your paper available for those viewers who may want to study specifics of your work in more detail.
- Have your business cards available for those who may wish to contact you at a later date.
- Bring along a tablet of blank paper that you may use for a discussion of technical details relating to your poster paper.

Appendix O. Session Chairs

Session Chairs

1. Duties

Duties of Session Chairs of ORAL Sessions (a list of [session chairs](#) is available below):

Preparation:

- Arrive at your session approximately 15-20 minutes early and familiarize yourself with the equipment (computer projector, video switch, microphone, pointer, timer, and lighting, etc). The "[Condensed Program](#)" and the "[Floor Plan](#)" may help you to locate the sessions at the Beijing International Convention Center (BICC).
- Introduce yourself to the authors, make sure all authors are present.
- Introduce yourself to the projectionist if there is any. Make sure there is a proper setup of the computer projector with computers.

Handling Session Summary Form:

- Bring with you copies of the [Session Summary Form](#) that can be downloaded by clicking on the link and fill the form out at the end of your session (the number of copies of the form you need depends on the number of sessions you will chair, please click the link [session chairs](#) and search your last name to find how many sessions you will chair). This is very important because any paper that is not presented at the allotted date and time by the presenter or by someone who is knowledgeable on the subject of the presentation and is designated by the presenter will **NOT** be included in the conference Proceedings. If you have forgotten to bring the form with you, please pick up a copy at the conference registration desk.
- Submit the [Session Summary Form](#) to the conference registration desk.

Preparation Timing:

- Contributed Papers: 12 minutes for each presentation, 3 minutes for questions and answers.
- Invited Papers: 25 minute for each presentation, 5 minutes for questions and answers.
- Keep the session on time to allow participants to "session hop" and catch other papers of interest to them.

Notes:

- Make any appropriate announcements such as authors should not distribute preprints during the session.
- Please inform the [Technical Program Chair](#) or the [General Chair](#) for any problems if necessary.

Duties of Session Chairs of POSTER Sessions (a list of [session chairs](#) is available below):

Preparation:

- Arrive at your session approximately 15-20 minutes early and familiarize yourself with the poster area. The poster layout and your session location can be found with the presentation labels in your session. The presentation labels (such as "P1A025-03") are shown in both "[Full Program \(Program Book\)](#)" and "[Abstract](#)

[Book](#)", and the numbering rule of the presentation labels is described in detail in the "[Guidelines for Poster Presentations](#)". The "[Condensed Program](#)" and the "[Floor Plan](#)" may also help you to locate the sessions at the Beijing International Convention Center (BICC).

- Introduce yourself to the authors, make sure all authors are present.
- Make sure that each author has located and setup his/her poster board. If an author needs poster hardware such as removable double-sided tapes, please direct them to the conference registration desk for help.

Handling Session Summary Form:

- Bring with you copies of the [Session Summary Form](#) that can be downloaded by clicking on the link and fill the form out at the end of your session (the number of copies of the form you need depends on the number of sessions you will chair, please click the link [session chairs](#) and search your last name to find how many sessions you will chair). This is very important because any paper that is not presented at the allotted date and time by the presenter or by someone who is knowledgeable on the subject of the presentation and is designated by the presenter will **NOT** be included in the conference Proceedings. If you have forgotten to bring the form with you, please pick up a copy at the conference registration desk.
- Submit the [Session Summary Form](#) to the conference registration desk.

Notes:

- There is only one poster session per day and the poster boards are available from 8:00 a.m. to 6:30 p.m. Therefore, we recommend that authors post their poster around 8:00 a.m. and take it off shortly before 6:30 p.m. This will maximize the exposure of the research results of the poster since some attendees, for various reasons, may not have a chance to view the posters during the designated poster presentation time. Authors are requested to be present at their posters at the times indicated in the program (for at least 90 minutes).
- Remind the authors that posters (except for the [Student Competition Finalists](#)) should not be left overnight. The Conference Organizing Committee will not be responsible for lost posters if they are left overnight. Posters left on the boards after 6:30 p.m. will be removed.
- Please inform the [Technical Program Chair](#) or the [General Chair](#) for any problems if necessary.

2. Use of Session Summary Form

Session Summary Form:

Session Summary Form for Session Chairs:

(Posted July 19, 2008)

(Please click on the icon below to download the PDF version and print it out)



The image shows a 'Session Summary Form' for the 2008 IEEE International Ultrasonics Symposium. The form is titled '2008 IEEE International Ultrasonics Symposium (Including Short Courses & Tutorials)' and is dated November 2-5, 2008, at the Beijing International Convention Center, Beijing, China. It is sponsored by the IEEE Ultrasonics, Ferroelectrics, & Frequency Control Society. The form includes a 'Session Chair' section with fields for 'Session Chair Name' and 'Session Chair Signature'. It also has a section for 'Estimated Maximum Number of People in the Session' and a table for listing papers (1-6) with columns for 'Label', 'Name', and 'Presentation Label'. There is a 'Comments or Suggestions' section at the bottom.

3. List of Session Chairs

List of Session Chairs (Use Search to Find Your Name) - Total 105 Sessions:

Color Codes of Technical Groups:

- **Group I (RED):** Medical Ultrasonics.
- **Group II (ORANGE):** Sensors, NDE & Industrial Applications .
- **Group III (GREEN):** Physical Acoustics .
- **Group IV (VIOLET):** Microacoustics – SAW, FBAR, MEMS .
- **Group V (BLACK):** Transducers & Transducer Materials .

Oral Sessions:

Monday, November 3, 2008 (10:30 a.m. - 12:00 noon):

- **1A. Blood Flow Measurements:** Jorgen Arendt Jensen, *Technical University of Denmark, Denmark.*
- **2A. Tissue Characterization:** Shin-ichiro Umemura, *Tohoku University, Sendai, Japan.*
- **3A. Imaging Systems and Methods:** Jeff Ketterling, *Riverside Research Institute, NY, USA.*
- **4A. Transducer Materials Characterization:** Yongrae Roh, *Kyungpook National University, South Korea.*
- **5A. Material Properties I:** Jan Brown, *JB Consulting, MA, USA.*
- **6A. Thin Film & Device Characterization:** Jidong Dai, *RF Monolithics, USA.*

Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.):

- **1B. High-Frequency and Small Animal Imaging:** Yoshifumi Saijo, *Tohoku University, Sendai, Japan.*
- **2B. Bone I:** Keith Wear, *US Food and Drug Administration, USA.*
- **3B. Ultrasonic Motors - Technology Advances:** Ji Wang, *Ningbo University, Ningbo, China.*
- **4B. Single Crystals I:** Sandy Cochran, *Univ. of Dundee, UK.*
- **5B. NDE Signal Processing:** Ramazan Demirli, *Canfield Scientific, USA.*
- **6B. Advances in Materials & Propagation:** Jan H. Kuypers, *University of California Berkeley, CA, USA.*

Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.):

- **1C. Shear Wave and Shear Strain Imaging:** James Greenleaf, *Mayo Clinic College of Medicine, MN, USA.*
- **2C. Bone II:** Pascal Laugier, *Université Paris VI, Paris, France.*
- **3C. Phononic Crystals I - Bandgap & Focusing:** Yook-Kong Yong, *Rutgers University, NJ, USA.*
- **4C. Single Crystal II:** Clyde Oakley, *W. L. Gore, USA.*
- **5C. Bulk Acoustic Wave Sensors:** John Vetelino, *University of Maine, ME, USA*
- **6C. SAW Devices:** Victor Plessky, *GVR Trade SA, Switzerland.*

Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.):

- **1D. Elasticity Imaging: Applications:** Matthew O'Donnell, *University of Washington, WA, USA.*
- **2D. Contrast Agents: Targeting and Therapeutics:** Tom Matula, *Applied Physics Laboratory, University of Washington, USA .*
- **3D. Medical Signal Processing I:** Ton van der Steen, *Erasmus Medical Center, The Netherlands.*
- **4D. cMUTs:** Omer Oralkan, *Stanford University, CA, USA.*
- **5D. Industrial Measurement:** Jiromaru Tsujino, *Kanagawa University, Yokohama, Japan.*
- **6D. Bulk Wave Resonators - I:** John D. Larson III, *Avago Technology, USA.*

Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon):

- **1E. Clinical Cancer Imaging:** Stuart Foster, *University of Toronto, Canada.*
- **2E. Arrays and Therapeutic Devices:** Shin Umemura, *Kyoto University, Japan.*
- **3E. Medical Signal Processing II:** Pai-Chi Li, *National Taiwan University, Taipei, Taiwan.*
- **4E. cMUT Modeling:** Paul Reynolds, *Weidlinger Associates Inc, USA.*
- **5E. Flow Measurements:** Edward Haeggstorm, *Institute of Physics, University of Helsinki, Finland.*
- **6E. Ultrasonic Wave Propagation - I:** Georg Mansfeld, *Russian Academy of Sciences, Russia.*

Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.):

- **1F. 3-D Elasticity Imaging:** Anne Hall, *General Electric Medical Systems, USA.*
- **2F. Ultrasound Mediated Delivery of Therapeutic Agents:** Larry Crum, *University of Washington, WA, USA.*
- **3F. Photoacoustic Imaging:** Georg Schmitz, *Ruhr-Universität Bochum, Germany.*
- **4F. SAW vs BAW:** Rich Ruby, *Avago Technologies, USA.*
- **5F. Acoustic Imaging and Microscopy:** David Greve, *Carnegie Mellon, USA.*
- **6F. Ultrasonic Motors & Droplet Processing:** Takefumi Kanda, *Okayama University, Japan.*

Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.):

- **1G. Visco-elasticity:** Mickael Tanter, *Laboratoire Ondes et Acoustique, ESPCI, France.*
- **2G. Therapeutic Ultrasound:** Kullervo Hynynen, *University of Toronto, Canada.*
- **3G. High Frequency Transducers:** Jian Yuan, *Boston Scientific, USA.*
- **4G. Acoustic MEMS Devices:** Daniel Hauden, *FEMTO-ST Besancon, France.*
- **5G. NDE Phased Arrays:** Robert Addison, *Rockwell Science Center, USA.*
- **6G. Material Properties II - Crystals & Composites:** Bikash Sinha, *Schlumberger Inc., USA.*

Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.):

- **1H. Cardiac Imaging:** James Miller, *Washington University in Saint Louis, USA.*
- **2H. Cavitation Therapy:** Zhen Xu, *University of Michigan, MI, USA.*
- **3H. Transducer Modeling and Design:** Reinhard Lerch, *Univ Erlangen, Germany*
- **4H. Device Modelling :** Clemens Ruppel, *EPCOS AG, Germany.*

- **5H. Material and Defect Characterization:** Roman Maev, *University of Windsor, Canada.*
- **6H. Optical & RF Ultrasonic Effects:** Robert Aigner, *TriQuint Semiconductor, USA*

Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon):

- **1I. Cardiovascular Imaging:** Chris de Korte, *Radboud University Nijmegen Medical Centre, The Netherlands.*
- **2I. Therapeutic Monitoring and Guidance:** Emad Ebbini, *University of Minnesota, USA.*
- **3I. Polymers for Transducers:** K Shung, *University of Southern California, CA, USA.*
- **4I. BAW Materials & Devices:** Gernot Fattinger, *SAWTEK, USA.*
- **5I. Wave Propagation:** Massimo Pappalardo, *University di Roma TRE, Italy.*
- **6I. Ultrasonic MEMS:** Amit Lal, *Cornell University, USA.*

Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.):

- **1J. Cardiovascular Elastography:** Jan D'hooge, *Catholic University of Leuven, Belgium.*
- **2J. Beam Forming Algorithms and Strategies:** Kai Thomenius, *GE Global Research, USA.*
- **3J. Microbubbles: Theory and Characterization:** Ayache Bouakaz, *INSERM, Université Tours, France.*
- **4J. Multilayer SAW Propagation:** Mauricio Pereira da Cunha, *University of Maine, ME, USA.*
- **5J. Liquid and Gas Sensing:** Mario Kupnik, *Stanford University, USA.*
- **6J. Energy Harvesting & Magnetoelectrics:** Mark Schafer, *Sonic Tech, PA, USA.*

Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.):

- **1K. Vector Velocity Imaging:** Hans Torp, *Norwegian University of Science and Technology, Norway.*
- **2K. Adaptive Beam Forming:** Sverre Holm, *University of Oslo, Norway.*
- **3K. Contrast Agent Imaging: Methods and Applications:** Nico de Jong, *Erasmus Medical Centre and University of Twente, The Netherlands.*
- **5K. Acoustic Wave Sensors:** Pierre Khuri-Yakub, *Stanford University, CA, USA.*
- **6K. Medical Arrays:** L. Scott Smith, *GE Global Research, USA.*

Poster Sessions:

Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.):

- **P1A. Photoacoustic Imaging:** Xueding Wang, *University of Michigan, MI, USA.*
- **P1B. Medical Beamforming:** John Hossack, *University of Virginia, USA.*
- **P1C. Medical Imaging:** Olivier Basset, *CREATIS, Université Lyon I, France.*
- **P1D. Medical Signal Processing:** Svetoslav Nikolov, *Technical University of Denmark, Denmark.*
- **P1E. Transducer Modelling:** Levent Degertekin, *Georgia Institute of Technology, GA, USA.*
- **P1F. Piezoelectric & Ferroelectric Materials:** Levent Degertekin, *Georgia Institute of Technology, GA, USA.*
- **P1G. Sonar Propagation and Detection:** Valery Proklov, *IRE RAS, Russia.*
- **P1H. Ultrasonic Motor Applications:** Takefumi Kanda, *Okayama University, Japan.*
- **P1I. Phononic Crystals II:** Jan Brown, *JB Consulting, MA, USA.*
- **P1J. NDE Signal Processing:** Jafar Saniie, *Illinois Institute of Technology, IL, USA.*
- **P1K. NDE Applications:** Larry Kessler, *Sonoscan, USA.*
- **P1L. BAW Modeling:** Alexandre Volatier, *TriQuint Semiconductor, USA.*
- **P1M. Microwave Acoustic Devices for Wireless Front Ends:** Robert Weigel, *University of Erlangen, Germany.*

Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.):

- **P2A. Blood Flow:** Jorgen Arendt Jensen, *Technical University of Denmark, Denmark.*
- **P2B. Improvements in Contrast Imaging:** Piero Tortoli, *Università degli Studi di Firenze, Italy.*
- **P2C. Contrast Agents: Modeling and Characterization:** Jonathan Mamou, *Riverside Research Institute, New York, USA.*
- **P2D. Bioeffects:** Chris Hall, *Philips Research North America, USA .*
- **P2E. High Frequency Techniques:** K Shung, *University of Southern California, CA, USA.*
- **P2F. 3D / Cardiac Imaging:** Hiroshi Kanai, *Tohoku University, Japan.*
- **P2G. Medical Imaging Transducers:** K Shung, *University of Southern California, CA, USA.*
- **P2H. Nonlinear Propagation:** Valery Proklov, *IRE RAS, Russia.*
- **P2I. Ultrasonic Wave Propagation II:** Ji Wang, *Ningbo University, Ningbo, China.*
- **P2J. Ultrasonic Motor Innovations:** Oliver Kripfgans, *University of Michigan, MI, USA.*
- **P2K. Acoustic Wave Sensors:** Jacqueline Hines, *Applied Sensor Research and Development Corporation, USA.*
- **P2L. Acoustical Imaging and Signal Processing:** Erdal Oruklu, *Illinois Institute of Technology, IL, USA.*
- **P2M. NDE Methods:** Kentaro Nakamura, *Tokyo Institute of Technology, Japan.*
- **P2N. Thin Film & Device Fabrication:** Bob Potter, *Vectron International, USA.*
- **P2O. SAW Simulation :** Ken-ya Hashimoto, *Chiba University, Japan.*
- **P2P. Sensors and ID-Tags Based on SAW:** Victor Plessky, *GVR Trade SA, Switzerland.*

Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.):

- **P3A. Tissue Characterization - Technologies:** James Miller, *Washington University in Saint Louis, USA.*
- **P3B. Tissue Characterization - In Vivo Applications:** Stanislav Emelianov, *University of Texas at Austin, TX, USA.*
- **P3C. Elastography:** Chris de Korte, *Radboud University Nijmegen Medical Centre, The Netherlands.*
- **P3D. Therapeutic Ultrasound Applications:** Greg Clement, *Brigham & Women's Hospital, USA.*
- **P3E. Therapeutic Ultrasound Technologies:** Nobuki Kudo, *Hokkaido University, Japan.*
- **P3F. MUT Transducers:** Qifa Zhou, *University of Southern California, CA, USA.*
- **P3G. Material Characterisation and Fabrication Technology:** Qifa Zhou, *University of Southern California, CA, USA.*
- **P3H. Material Properties III:** Yook-Kong Yong, *Rutgers University, NJ, USA.*
- **P3I. Bulk Wave Effects & Devices:** John D. Larson III, *Avago Technologies, USA.*
- **P3J. BAW & MEMS Materials & Devices:** Dave Feld, *Avago Technologies, USA.*
- **P3K. Thin-Film & Propagation:** Don Malocha, *University of Central Florida, FL, USA.*

Appendix P. Session Summary Form

Appendix P:

Session Summary Form



2008 IEEE International Ultrasonics Symposium

(Including Short Courses & Tutorials)

November 2-5, 2008

Beijing International Convention Center, Beijing, China

Sponsored by the IEEE Ultrasonics, Ferroelectrics, & Frequency Control Society
In Cooperation with the Acoustical Society of China and the Institute of Acoustics, Chinese Academy of Sciences



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(General Chair)
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Toledo, Ohio 43606, U.S.A.
jilu@eng.utoledo.edu

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Technical Chair

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Session Summary Form (for Session Chairs)

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Please Submit the Form to the Conference Registration Desk

Session Label (1A, 1B, P1A, P1B, etc.): _____

Session Chair Name: _____

Session Chair Signature: _____

Estimated Maximum Number of People in the Session: _____

Indicate the papers (**name** of the first author and **Presentation Label** such as PS022-22) that are **NOT** presented in this session. These papers will not be included in the conference proceedings:

1. Label: _____ Name: _____ 2. Label: _____ Name: _____

3. Label: _____ Name: _____ 4. Label: _____ Name: _____

5. Label: _____ Name: _____ 6. Label: _____ Name: _____

Comments or Suggestions:

Appendix Q. Paper Browser

Appendix Q:

Paper Browser

Browsing Full Papers via Oral and Poster Sessions

Browse Proceedings Papers According to Sessions:

NOTES (Please Read These Notes First):

1. Full papers and abstracts of papers can be browsed from the sessions below by clicking on the "[Full Paper PDF]" and "[Abstract]" (please notice that abstracts will be opened in a separate browser window) links respectively. If a paper has multimedia contents, there will be a link "[Multimedia_zipped]" also for you to download the entire multimedia package (for multimedia package or any ZIP files in other pages, please right click your mouse and then select "Save Target As" or "Save Link As" to save the file to your hard drive because the contents of the ZIP files are not designed to work on the screen - please see "[Paper Submission](#)" for details of multimedia ZIP files). The layout of this page is similar to the "[Full Program](#)" of the 2008 IEEE International Ultrasonics Symposium (IUS) and the "[Session Chairs](#)" page with features such as [color codes](#) to help users to have a faster overview of the papers of interest.
2. Please notice that not all the authors whose abstracts are accepted for presentation in the 2008 IEEE IUS have submitted the full papers and some papers have been removed from the conference proceedings for various reasons (please see the "[Conference Statistics](#)" for the number of papers that are not included in the conference proceedings). For missing papers, you could visit the "[Abstract Book](#)" using the session information in the "[Condensed Program](#)" or the "[Full Program](#)".
3. For other browsing and searching options (such as "Paper Title", "Author", "Session Title", "Presentation Type", "Key Words", and "Session Label") across all the papers in the DVD, please go back to the "[Mira indexSmart](#)® [DVD Menu](#)" and then check the browsing and searching frame near its top if it is not already shown on top of this page. Alternatively, you could use an HTML version of the Main Menu "[Main Menu \(HTML\)](#)" that may be more browser friendly.
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MULTIMEDIA CONTENTS (in the conference proceedings):

Multimedia Papers (please right click your mouse and then select "Save Target As" or "Save Link As" to save "[Multimedia_Zipped]" to your hard drive):

- **2J-5. Effects of Data Density of Echo Fourier Domain on Quality of High Frame Rate Imaging.** (ID: 3) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia_Zipped](#) (2.6 MB)] 
Jian-yu Lu (*, **)
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0235; pp.974-977.
- **3A-1. 3-D Laparoscopic Imaging.** (ID: 631) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia_Zipped](#) (3.3 MB)] 
Michael Zipparo (**), *Clyde Oakley* (*), *Rich Denny*, *Said Azim*, *V Balannik*, *S Soferman*, *Michael Berman*, *R Nechushtai*, *D Kopelman*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0011; pp.40-44.
- **3C-6. General analytical scheme for determining the characteristic caustic points in phonon focusing patterns of cubic crystals.** (ID: 53) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia_Zipped](#) (1 MB)] 
Litian Wang (*, **)
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0063 pp.257-260.
- **5G-1. Reduction of Grating Lobes in SAFT Images.** (ID: 50) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia_Zipped](#) (2.4 MB)] 
Carlos Julián Martín (*, **), *Oscar Martínez*, *Alberto Octavio*, *Gregorio Godoy*, *Luis Gómez-Ullate*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0172; pp.721-724.
- **5G-2. Influence of SAFT Activation Sequence in 2D Arrays Performance.** (ID: 402) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia_Zipped](#) (0.8 MB)] 
Carlos Martín (*, **), *Oscar Martínez*, *Alberto Octavio*, *Francisco Montero*, *Luis Gómez-Ullate*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0173; pp.725-728.
- **P1K107-04. Design method for big 2-D ultrasonic arrays with controlled grating lobes levels.** (ID: 15) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia_Zipped](#) (1.9 MB)] 
Javier Rodrigo Villazón Terrazas (*, **), *Alberto Ibáñez Rodríguez*, *Montserrat Parrilla Romero*,



Patricia Nevado Carvajal

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0370; pp.1520-1523.

Multimedia Contents of the Plenary Talk:

- **Acoustics of Traditional Chinese Theatrical Buildings.** [[PDF Slides](#) (17 MB)] [[PowerPoint Slides](#) (36 MB)] [[MPEG Movie Clip](#) (25 MB)] 
Jiqing Wang

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- **Group I (RED):** Medical Ultrasonics.
 - **Group II (ORANGE):** Sensors, NDE & Industrial Applications.
 - **Group III (GREEN):** Physical Acoustics.
 - **Group IV (VIOLET):** Microacoustics – SAW, FBAR, MEMS.
 - **Group V (BLACK):** Transducers & Transducer Materials.
-

ORAL SESSIONS (Titles):

Monday, November 3, 2008 (10:30 a.m. - 12:00 noon):

- [[Session](#)] **1A. Blood Flow Measurements:** Jorgen Arendt Jensen, *Technical University of Denmark, Denmark.*
- [[Session](#)] **2A. Tissue Characterization:** Shin-ichiro Umemura, *Tohoku University, Sendai, Japan.*
- [[Session](#)] **3A. Imaging Systems and Methods:** Jeff Ketterling, *Riverside Research Institute, NY, USA.*
- [[Session](#)] **4A. Transducer Materials Characterization:** Yongrae Roh, *Kyungpook National University, South Korea.*
- [[Session](#)] **5A. Material Properties I:** Jan Brown, *JB Consulting, MA, USA.*
- [[Session](#)] **6A. Thin Film & Device Characterization:** Jidong Dai, *RF Monolithics, USA.*

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- [[Session](#)] **2B. Bone I:** Keith Wear, *US Food and Drug Administration, USA.*

- [[Session](#)] **3B. Ultrasonic Motors - Technology Advances:** Ji Wang, *Ningbo University, Ningbo, China.*
- [[Session](#)] **4B. Single Crystals I:** Sandy Cochran, *Univ. of Dundee, UK.*
- [[Session](#)] **5B. NDE Signal Processing:** Ramazan Demirli, *Canfield Scientific, USA.*
- [[Session](#)] **6B. Advances in Materials & Propagation:** Jan H. Kuypers, *University of California Berkeley, CA, USA.*

Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.):

- [[Session](#)] **1C. Shear Wave and Shear Strain Imaging:** James Greenleaf, *Mayo Clinic College of Medicine, MN, USA.*
- [[Session](#)] **2C. Bone II:** Pascal Laugier, *Université Paris VI, Paris, France.*
- [[Session](#)] **3C. Phononic Crystals I - Bandgap & Focusing:** Yook-Kong Yong, *Rutgers University, NJ, USA.*
- [[Session](#)] **4C. Single Crystal II:** Clyde Oakley, *W. L. Gore, USA.*
- [[Session](#)] **5C. Bulk Acoustic Wave Sensors:** John Vetelino, *University of Maine, ME, USA*
- [[Session](#)] **6C. SAW Devices:** Victor Plessky, *GVR Trade SA, Switzerland.*

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- [[Session](#)] **2D. Contrast Agents: Targeting and Therapeutics:** Tom Matula, *Applied Physics Laboratory, University of Washington, USA .*
- [[Session](#)] **3D. Medical Signal Processing I:** Ton van der Steen, *Erasmus Medical Center, The Netherlands.*
- [[Session](#)] **4D. cMUTs:** Omer Oralkan, *Stanford University, CA, USA.*
- [[Session](#)] **5D. Industrial Measurement:** Jiromaru Tsujino, *Kanagawa University, Yokohama, Japan.*
- [[Session](#)] **6D. Bulk Wave Resonators I:** John D. Larson III, *Avago Technology, USA.*

Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon):

- [[Session](#)] **1E. Clinical Cancer Imaging:** Stuart Foster, *University of Toronto, Canada.*
- [[Session](#)] **2E. Arrays and Therapeutic Devices:** Shin Umemura, *Kyoto University, Japan.*
- [[Session](#)] **3E. Medical Signal Processing II:** Pai-Chi Li, *National Taiwan University, Taipei, Taiwan.*
- [[Session](#)] **4E. cMUT Modeling:** Paul Reynolds, *Weidlinger Associates Inc, USA.*
- [[Session](#)] **5E. Flow Measurements:** Edward Haeggstorm, *Institute of Physics, University of Helsinki, Finland.*
- [[Session](#)] **6E. Ultrasonic Wave Propagation I:** Georg Mansfeld, *Russian Academy of Sciences, Russia.*

Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.):

- [[Session](#)] **1F. 3-D Elasticity Imaging:** Anne Hall, *General Electric Medical Systems, USA.*
- [[Session](#)] **2F. Ultrasound Mediated Delivery of Therapeutic Agents:** Larry Crum, *University of Washington, WA, USA.*

- [\[Session\]](#) **3F. Photoacoustic Imaging:** Georg Schmitz, *Ruhr-Universität Bochum, Germany.*
- [\[Session\]](#) **4F. SAW vs BAW:** Rich Ruby, *Avago Technologies, USA.*
- [\[Session\]](#) **5F. Acoustic Imaging and Microscopy:** David Greve, *Carnegie Mellon, USA.*
- [\[Session\]](#) **6F. Ultrasonic Motors & Droplet Processing:** Takefumi Kanda, *Okayama University, Japan.*

Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.):

- [\[Session\]](#) **1G. Visco-elasticity:** Mickael Tanter, *Laboratoire Ondes et Acoustique, ESPCI, France.*
- [\[Session\]](#) **2G. Therapeutic Ultrasound:** Kullervo Hynynen, *University of Toronto, Canada.*
- [\[Session\]](#) **3G. High Frequency Transducers:** Jian Yuan, *Boston Scientific, USA.*
- [\[Session\]](#) **4G. Acoustic MEMS Devices:** Daniel Hauden, *FEMTO-ST Besancon, France.*
- [\[Session\]](#) **5G. NDE Phased Arrays:** Robert Addison, *Rockwell Science Center, USA.*
- [\[Session\]](#) **6G. Material Properties II - Crystals & Composites:** Bikash Sinha, *Schlumberger Inc., USA.*

Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.):

- [\[Session\]](#) **1H. Cardiac Imaging:** James Miller, *Washington University in Saint Louis, USA.*
- [\[Session\]](#) **2H. Cavitation Therapy:** Zhen Xu, *University of Michigan, MI, USA.*
- [\[Session\]](#) **3H. Transducer Modeling and Design:** Reinhard Lerch, *Univ Erlangen, Germany*
- [\[Session\]](#) **4H. Device Modelling:** Clemens Ruppel, *EPCOS AG, Germany.*
- [\[Session\]](#) **5H. Material and Defect Characterization:** Roman Maev, *University of Windsor, Canada.*
- [\[Session\]](#) **6H. Optical & RF Ultrasonic Effects:** Robert Aigner, *TriQuint Semiconductor, USA*

Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon):

- [\[Session\]](#) **1I. Cardiovascular Imaging:** Chris de Korte, *Radboud University Nijmegen Medical Centre, The Netherlands.*
- [\[Session\]](#) **2I. Therapeutic Monitoring and Guidance:** Emad Ebbini, *University of Minnesota, USA.*
- [\[Session\]](#) **3I. Polymers for Transducers:** K Shung, *University of Southern California, CA, USA.*
- [\[Session\]](#) **4I. BAW Materials & Devices:** Gernot Fattinger, *SAWTEK, USA.*
- [\[Session\]](#) **5I. Wave Propagation:** Massimo Pappalardo, *University di Roma TRE, Italy.*
- [\[Session\]](#) **6I. Ultrasonic MEMS:** Amit Lal, *Cornell University, USA.*

Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.):

- [\[Session\]](#) **1J. Cardiovascular Elastography:** Jan D'hooge, *Catholic University of Leuven, Belgium.*
- [\[Session\]](#) **2J. Beam Forming Algorithms and Strategies:** Kai Thomenius, *GE Global Research, USA.*
- [\[Session\]](#) **3J. Microbubbles: Theory and Characterization:** Ayache Bouakaz, *INSERM, Université Tours, France.*
- [\[Session\]](#) **4J. Multilayer SAW Propagation:** Mauricio Pereira da Cunha, *University of Maine, ME, USA.*
- [\[Session\]](#) **5J. Liquid and Gas Sensing:** Mario Kupnik, *Stanford University, USA.*

- [[Session](#)] **6J. Energy Harvesting & Magnetoelectrics:** Mark Schafer, *Sonic Tech, PA, USA*.

Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.):

- [[Session](#)] **1K. Vector Velocity Imaging:** Hans Torp, *Norwegian University of Science and Technology, Norway*.
- [[Session](#)] **2K. Adaptive Beam Forming:** Sverre Holm, *University of Oslo, Norway*.
- [[Session](#)] **3K. Contrast Agent Imaging: Methods and Applications:** Nico de Jong, *Erasmus Medical Centre and University of Twente, The Netherlands*.
- [[Session](#)] **5K. Acoustic Wave Sensors:** Pierre Khuri-Yakub, *Stanford University, CA, USA*.
- [[Session](#)] **6K. Medical Arrays:** L. Scott Smith, *GE Global Research, USA*.

POSTER SESSIONS (Titles):

Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.):

- [[Session](#)] **PS. Student Competition Finalists** (also see the link "[Competition Finalists](#)").
- [[Session](#)] **P1A. Photoacoustic Imaging:** Xueding Wang, *University of Michigan, MI, USA*.
- [[Session](#)] **P1B. Medical Beamforming:** John Hossack, *University of Virginia, USA*.
- [[Session](#)] **P1C. Medical Imaging:** Olivier Basset, *CREATIS, Université Lyon I, France*.
- [[Session](#)] **P1D. Medical Signal Processing:** Svetoslav Nikolov, *Technical University of Denmark, Denmark*.
- [[Session](#)] **P1E. Transducer Modelling:** Levent Degertekin, *Georgia Institute of Technology, GA, USA*.
- [[Session](#)] **P1F. Piezoelectric & Ferroelectric Materials:** Levent Degertekin, *Georgia Institute of Technology, GA, USA*.
- [[Session](#)] **P1G. Sonar Propagation and Detection:** Valery Proklov, *IRE RAS, Russia*.
- [[Session](#)] **P1H. Ultrasonic Motor Applications:** Takefumi Kanda, *Okayama University, Japan*.
- [[Session](#)] **P1I. Phononic Crystals II:** Jan Brown, *JB Consulting, MA, USA*.
- [[Session](#)] **P1J. NDE Signal Processing:** Jafar Saniie, *Illinois Institute of Technology, IL, USA*.
- [[Session](#)] **P1K. NDE Applications:** Larry Kessler, *Sonoscan, USA*.
- [[Session](#)] **P1L. BAW Modeling:** Alexandre Volatier, *TriQuint Semiconductor, USA*.
- [[Session](#)] **P1M. Microwave Acoustic Devices for Wireless Front Ends:** Robert Weigel, *University of Erlangen, Germany*.

Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.):

- [[Session](#)] **P2A. Blood Flow:** Jorgen Arendt Jensen, *Technical University of Denmark, Denmark*.
- [[Session](#)] **P2B. Improvements in Contrast Imaging:** Piero Tortoli, *Università degli Studi di Firenze, Italy*.
- [[Session](#)] **P2C. Contrast Agents: Modeling and Characterization:** Jonathan Mamou, *Riverside Research Institute, New York, USA*.
- [[Session](#)] **P2D. Bioeffects:** Chris Hall, *Philips Research North America, USA*.
- [[Session](#)] **P2E. High Frequency Techniques:** K Shung, *University of Southern California, CA, USA*.
- [[Session](#)] **P2F. 3D / Cardiac Imaging:** Hiroshi Kanai, *Tohoku University, Japan*.

- [[Session](#)] **P2G. Medical Imaging Transducers:** K Shung, *University of Southern California, CA, USA.*
- [[Session](#)] **P2H. Nonlinear Propagation:** Valery Proklov, *IRE RAS, Russia.*
- [[Session](#)] **P2I. Ultrasonic Wave Propagation II:** Ji Wang, *Ningbo University, Ningbo, China.*
- [[Session](#)] **P2J. Ultrasonic Motor Innovations:** Oliver Kripfgans, *University of Michigan, MI, USA.*
- [[Session](#)] **P2K. Acoustic Wave Sensors:** Jacqueline Hines, *Applied Sensor Research and Development Corporation, USA.*
- [[Session](#)] **P2L. Acoustical Imaging and Signal Processing:** Erdal Oruklu, *Illinois Institute of Technology, IL, USA.*
- [[Session](#)] **P2M. NDE Methods:** Kentaro Nakamura, *Tokyo Institute of Technology, Japan.*
- [[Session](#)] **P2N. Thin Film & Device Fabrication:** Bob Potter, *Vectron International, USA.*
- [[Session](#)] **P2O. SAW Simulation:** Ken-ya Hashimoto, *Chiba University, Japan.*
- [[Session](#)] **P2P. Sensors and ID-Tags Based on SAW:** Victor Plessky, *GVR Trade SA, Switzerland.*

Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.):

- [[Session](#)] **P3A. Tissue Characterization - Technologies:** James Miller, *Washington University in Saint Louis, USA.*
- [[Session](#)] **P3B. Tissue Characterization - In Vivo Applications:** Stanislav Emelianov, *University of Texas at Austin, TX, USA.*
- [[Session](#)] **P3C. Elastography:** Chris de Korte, *Radboud University Nijmegen Medical Centre, The Netherlands.*
- [[Session](#)] **P3D. Therapeutic Ultrasound Applications:** Greg Clement, *Brigham & Women's Hospital, USA.*
- [[Session](#)] **P3E. Therapeutic Ultrasound Technologies:** Nobuki Kudo, *Hokkaido University, Japan.*
- [[Session](#)] **P3F. MUT Transducers:** Qifa Zhou, *University of Southern California, CA, USA.*
- [[Session](#)] **P3G. Material Characterisation and Fabrication Technology:** Qifa Zhou, *University of Southern California, CA, USA.*
- [[Session](#)] **P3H. Material Properties III:** Yook-Kong Yong, *Rutgers University, NJ, USA.*
- [[Session](#)] **P3I. Bulk Wave Effects & Devices:** John D. Larson III, *Avago Technologies, USA.*
- [[Session](#)] **P3J. BAW & MEMS Materials & Devices:** Dave Feld, *Avago Technologies, USA.*
- [[Session](#)] **P3K. Thin-Film & Propagation:** Don Malocha, *University of Central Florida, FL, USA.*

ORAL SESSIONS:

Monday, November 3, 2008 (10:30 a.m. - 12:00 noon):

1A. Blood Flow Measurements:

Chair: Jorgen Arendt Jensen, *Technical University of Denmark, Denmark.*

Time: Monday, November 3, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 3.

11:00- **1A-2. A Bi-directional, Real-time Blood Flowmeter using an Implantable CMUT Array.**

- 11:15. (ID: 628) [[Full Paper PDF](#)] [[Abstract](#)]
 Mengli Wang (*, **), Jingkuang Chen, Xiaoyang Cheng, Tongsheng Zhang, Xueyuan Liu
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0001; pp.1-4.
- 11:15-11:30. **1A-3. Duplex scanning using sparse data sequences.** (ID: 118) [[Full Paper PDF](#)] [[Abstract](#)]
 Sara Klingenberg Møllenbach (*), Jørgen Arendt Jensen (**)
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0002; pp.5-8.
- 11:30-11:45. **1A-4. Systematic Validation of the Echo Particle Image Velocimetry Technique using a Patient Specific Carotid Bifurcation Model.** (ID: 637) [[Full Paper PDF](#)] [[Abstract](#)]
 Faxing Zhang (*), Craig Lanning, Luciano Mazzaro, Bryan Rech, Jiusheng Chen, S. James Chen, Robin Shandas (**), Robin Shandas
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0003; pp.9-12.
- 11:45-12:00. **1A-5. Monitoring X-ray Contrast Agent Injections with Doppler Ultrasound.** (ID: 247) [[Full Paper PDF](#)] [[Abstract](#)]
 Lars Hoff (*, **), Knut Brabrand, Nicolay Berard-Andersen, Gjermund Fjeld Olsen, Svein Medhus
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0004; pp.13-16.

2A. Tissue Characterization:

Chair: Shin-ichiro Umemura, Tohoku University, Sendai, Japan.

Time: Monday, November 3, 2008 (10:30 a.m. - 12:00 noon); **Room:** 201A/B/C.

- 10:30-10:45. **2A-1. Signed Echo Imaging of Carotid Arteries.** (ID: 1012) [[Full Paper PDF](#)] [[Abstract](#)]
 Shin-ichiro Umemura (**), Takashi Azuma
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0005; pp.17-20.
- 10:45-11:00. **2A-2. Viscoelasticity of lung tissue with surface wave method.** (ID: 765) [[Full Paper PDF](#)] [[Abstract](#)]
 Xiaoming Zhang (*, **), Randall Kinnick, James Greenleaf
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0006; pp.21-23.
- 11:00-11:15. **2A-3. Texture analysis of ultrasound liver images with contrast agent to characterize the fibrosis stage.** (ID: 627) [[Full Paper PDF](#)] [[Abstract](#)]
 Olivier Basset (**), Francois Duboeuf, Bertrand Delhay, Elisabeth Brusseau, Christian Cachard, Jean-Pierre Tasu
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0007; pp.24-27.
- 11:15-11:30. **2A-4. Computer aided detection of prostate cancer based on GDA and predictive deconvolution.** (ID: 532) [[Full Paper PDF](#)] [[Abstract](#)]
 Simona Maggio, Luca De Marchi (*, **), Martino Alessandrini, Nicolo Speciale
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0008; pp.28-31.
- 11:30-11:45. **2A-5. Improving the quality of QUS imaging using full angular spatial compounding.** (ID: 1016) [[Full Paper PDF](#)] [[Abstract](#)]
 Roberto J. Lavarello (**), Jose R. Sanchez, Michael L. Oelze


Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0009; pp.32-35.

- 11:45-12:00. **2A-6. Using resolution enhancement compression to reduce variance of scatterer size estimates from ultrasonic backscattered signals.** (ID: 446) [[Full Paper PDF](#)] [[Abstract](#)]
*Jose R. Sanchez (**), Darren Pocci, Michael L. Oelze*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0010; pp.36-39.

3A. Imaging Systems and Methods:

Chair: Jeff Ketterling, *Riverside Research Institute, NY, USA.*

Time: Monday, November 3, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 5A.

- 10:30-10:45. **3A-1. 3-D Laparoscopic Imaging.** (ID: 631) [[Full Paper PDF](#)] [[Abstract](#)]
 [[Multimedia_Zipped](#) (3.3 MB)] 
*Michael Zipparo (**), Clyde Oakley (*), Rich Denny, Said Azim, V Balannik, S Soferman, Michael Berman, R Nechushtai, D Kopelman*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0011; pp.40-44.
- 10:45-11:00. **3A-2. An Inertial-Optical Tracking System for Portable, Quantitative, 3D Ultrasound.** (ID: 582) [[Full Paper PDF](#)] [[Abstract](#)]
*A. M. Goldsmith (**), P. C. Pedersen, T. L. Szabo*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0012; pp.45-49.
- 11:15-11:30. **3A-4. Magnitude, Origins, and Reduction of Abdominal Ultrasonic Clutter.** (ID: 396) [[Full Paper PDF](#)] [[Abstract](#)]
Muyinatu Lediju (, **), Michael Pihl, Stephen Hsu, Jeremy Dahl, Caterina Gallippi, Gregg Trahey*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0013; pp.50-53.
- 11:45-12:00. **3A-6. Ultrasound Breast Imaging using Full Angle Spatial Compounding: In-vivo results.** (ID: 341) [[Full Paper PDF](#)] [[Abstract](#)]
Christian Hansen (, **), Markus Hollenhorst, Nils Hüttebräuker, Alexander Schasse, Wilko Wilkening, Lothar Heuser, Gernot Schulte-Altdorneburg, Helmut Ermert*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0014; pp.54-57.

4A. Transducer Materials Characterization:

Chair: Yongrae Roh, *Kyungpook National University, South Korea.*

Time: Monday, November 3, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 5B.

- 10:45-11:00. **4A-2. Fundamental Performance Characterisation of High Frequency Piezocomposites made with Net-shape Viscous Polymer Processing for Medical Ultrasound Transducers.** (ID: 594) [[Full Paper PDF](#)] [[Abstract](#)]
*Duncan MacLennan (**), Christine Demore, George Corner (*), Tim Button, Jocelyn Elgoyhen, Hana Hughes, Carl Meggs, Sandy Cochran*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0015; pp.58-61.
- 11:00- **4A-3. Characterisation of an Epoxy Filler for Piezocomposite Material Compatible with**
 Created: July 6, 2009 Q.9. Jian-yu Lu, Ph.D., General Chair and Web Master

- 11:15. **Microfabrication Processes.** (ID: 290) [[Full Paper PDF](#)] [[Abstract](#)]
*A.L. Bernassau (**), D. Hutson, C.E.M. Démore, S. Cochran*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0016; pp.62-65.
- 11:15-11:30. **4A-4. Method for Curvature Measurements with Ultrasound.** (ID: 572) [[Full Paper PDF](#)] [[Abstract](#)]
Elfgard Kuehncke (, **), Michael Lenz, Hans-Georg Trier, Jörg Sorber, Gerald Gerlach*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0017; pp.66-69.
- 11:45-12:00. **4A-6. PZT piezoelectric thick film with enhanced electrical properties for high frequency ultrasonic transducer applications.** (ID: 782) [[Full Paper PDF](#)] [[Abstract](#)]
*Benpeng Zhu, Dawei Wu, Qifa Zhou (**), K.Krik Shung*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0018; pp.70-73.

5A. Material Properties I:

Chair: Jan Brown, *JB Consulting, MA, USA.*

Time: Monday, November 3, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 5C.

- 10:45-11:00. **5A-2. High Frequency Propagation Measurements in Microstructured Solids.** (ID: 470) [[Full Paper PDF](#)] [[Abstract](#)]
Andrew Dawson (), Paul Harris, Roger Young, Gideon Gouws (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0019; pp.74-77.
- 11:30-12:00. **5A-4. Applications of sonic waves in the estimation of petrophysical, geophysical and geomechanical properties of subsurface rocks.** (Invited) (ID: 304) [[Full Paper PDF](#)] [[Abstract](#)]
Vivian Pistre (), Bikash Sinha (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0020; pp.78-85.

6A. Thin Film & Device Characterization:

Chair: Jidong Dai, *RF Monolithics, USA.*

Time: Monday, November 3, 2008 (10:30 a.m. - 12:00 noon); **Room:** 307.

- 10:45-10:45. **6A-1. Analysis of Resonant SAW – Plate BAW Interaction in Periodical Couplers.** (ID: 299) [[Full Paper PDF](#)] [[Abstract](#)]
Ventsislav Yantchev (, **), Victor Plessky, Ilia Katardjiev*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0021; pp.86-89.
- 10:45-11:00. **6A-2. Pure-shear mode BAW resonator consisting of (11-20) textured AlN films.** (ID: 706) [[Full Paper PDF](#)] [[Abstract](#)]
Takahiko Yanagitani (, **), Masato Kiuchi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0022; pp.90-93.
- 11:00-11:15. **6A-3. Study on the Frequency Dependence of Lateral Energy Leakage in RF BAW Device by Fast-Scanning Laser Probe System.** (ID: 123) [[Full Paper PDF](#)] [[Abstract](#)]
Nan Wu (, **), Keisuke Kashiwa, Ken-ya Hashimoto, Tatsuya Omori, Masatsune Yamaguchi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0023; pp.94-97.

- 11:15- **6A-4. Improvement of liquid-phase SH-SAW sensor device on 36[deg]Y-X LiTaO₃**

- 11:30. **substrate.** (ID: 749) [[Full Paper PDF](#)] [[Abstract](#)]
Takashi Kogai (*, **), *Hiromi Yatsuda*, *Showko Shiokawa*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0024; pp.98-101.
- 11:30-11:45. **6A-5. Nanoparticle patterning on 128-YX-LN substrates: the effects of surface acceleration and boundary layer streaming.** (ID: 485) [[Full Paper PDF](#)] [[Abstract](#)]
Ming Tan (*, **), *James Friend*, *Leslie Yeo*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0025; pp.102-107.
- 11:45-12:00. **6A-6. Wafer-Level Packaged SAW Filters with Resistance to Transfer Molding.** (ID: 86) [[Full Paper PDF](#)] [[Abstract](#)]
Toru Fukano (*, **), *Yoshihiro Okubo*, *Junya Nishii*, *Ikuo Obara*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0026; pp.108-111.

Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.):

1B. High-Frequency and Small Animal Imaging:

Chair: Yoshifumi Saijo, *Tohoku University, Sendai, Japan.*

Time: Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 3.

- 13:30-13:45. **1B-1. Vital Observation and Featuring Techniques of Functional Cell-Surface Proteins Using Acoustic Impedance Microscope.** (ID: 929) [[Full Paper PDF](#)] [[Abstract](#)]
Sachiko Yoshida (*, **), *Shiho Masaki*, *Seiji Iwasa*, *Kazuto Kobayashi*, *Naohiro Hozumi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0027; pp.112-115.
- 13:45-14:00. **1B-2. ECG-gated imaging of a mouse heart using a 40-MHz annular array.** (ID: 444) [[Full Paper PDF](#)] [[Abstract](#)]
Jeffrey A. Ketterling (*, **), *Orlando Aristizabal*, *Daniel H. Turnbull*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0028; pp.116-119.
- 14:00-14:30. **1B-3. Micro-ultrasound Takes Off (In the Biological Sciences).** (Invited) (ID: 590) [[Full Paper PDF](#)] [[Abstract](#)]
F. Stuart Foster (*, **)
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0029; pp.120-125.
- 14:30-14:45. **1B-4. 40 MHz Annular-Array In Utero Imaging of Mouse Embryos with Chirp Coded Excitation.** (ID: 109) [[Full Paper PDF](#)] [[Abstract](#)]
Orlando Aristizabal (**), *Jonathan Mamou* (*), *Daniel H. Turnbull*, *Jeffrey A. Ketterling*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0030; pp.126-129.
- 14:45-15:00. **1B-5. 3D Small Animal Imaging with High-Frequency Ultrasound (20 MHz) Using Limited-Angle Spatial Compounding.** (ID: 653) [[Full Paper PDF](#)] [[Abstract](#)]
Joern Opretzka (*, **), *Michael Vogt*, *Helmut Ermert*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0031; pp.130-133.

2B. Bone I:**Chair:** Keith Wear, *US Food and Drug Administration, USA.***Time:** Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** 201A/B/C.

- 13:30-13:45. **2B-1. Frequency dependence of backscatter from thin, oblique, finite-length cylinders measured with a focused transducer – with applications in cancellous bone.** (ID: 192) [[Full Paper PDF](#)] [[Abstract](#)]
Keith Wear (, **), Gerald Harris*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0032; pp.134-136.
- 13:45-14:00. **2B-2. Measurement artifacts in sonometry of cancellous bone: the relative impact of phase cancellation and interference on measurements of phase-distorting phantoms.** (ID: 406) [[Full Paper PDF](#)] [[Abstract](#)]
Adam Bauer, Christian Anderson, Mark Holland, James Miller (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0033; pp.137-141.
- 14:30-14:45. **2B-5. Microstructural simulation of ultrasonic wave propagation through vertebral trabecular bone samples.** (ID: 801) [[Full Paper PDF](#)] [[Abstract](#)]
Liesbet Goossens (, **), Jef Vanderoost, Siegfried Jaecques, Steven Boonen, Jan D'hooge, G. Harry van Lenthe, Walter Lauriks, Georges Van der Perre*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0034; pp.142-145.
- 14:45-15:00. **2B-6. Propagation of ultrasonic longitudinal wave in the cancellous bone covered by the subchondral bone of bovine femur.** (ID: 1047) [[Full Paper PDF](#)] [[Abstract](#)]
Takaaki Koizumi (), Kazufumi Yamamoto, Yoshiki Nagatani, Hiroki Soumiya, Takashi Saeki, Yuichiro Yaoi, Mami Matsukawa (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0035; pp.146-149.
- 3B. Ultrasonic Motors - Technology Advances:**
Chair: Ji Wang, *Ningbo University, Ningbo, China.*
Time: Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 5A.
- 13:30-13:45. **3B-1. Configuration of a screw-shaped ultrasonic motor.** (ID: 670) [[Full Paper PDF](#)] [[Abstract](#)]
Atsuyuki Suzuki (, **), Yusuke Nakamura, Tetsugi Ueoka, Jiromaru Tsujino*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0036; pp.150-153.
- 14:00-14:15. **3B-3. The measurement on vibration friction coefficient of ultrasonic motor.** (ID: 229) [[Full Paper PDF](#)] [[Abstract](#)]
*Jin Yi Liew, Yu Chen (**), Tie Ying Zhou*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0037; pp.154-156.
- 14:30-14:45. **3B-5. Design and Fabrication of a Linear Ultrasonic Motor Using Push-Pull type L-B Hybrid Langevin Transducer with Single Foot.** (ID: 666) [[Full Paper PDF](#)] [[Abstract](#)]
*Shengjun Shi (**), Weishan Chen, Yingxiang Liu, Junkao Liu, Tao Xie*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0038; pp.157-160.

4B. Single Crystals I:

Chair: Sandy Cochran, *Univ. of Dundee, UK.*

Time: Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 5B.

- 14:00-14:15. **4B-2. Micromachined High-frequency PMN-PT Single Crystal Ultrasound Transducer for Medical Imaging.** (ID: 317) [[Full Paper PDF](#)] [[Abstract](#)]
Jue Peng, Sient Ting Lau, Jiyan Dai (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0039; pp.161-163.
- 14:15-14:30. **4B-3. Micromachined PMN-PT Single Crystal Composite Transducers -- 15-75 MHz PC-MUT.** (ID: 132) [[Full Paper PDF](#)] [[Abstract](#)]
XIAONING JIANG (, **), Kevin Snook, An Cheng, Wesley Hackenberger, Xuecang Geng*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0040; pp.164-167.
- 14:30-15:00. **4B-4. Vibration mode and relevant ultrasonic applications of ferroelectric single crystals Pb(Mg_{1/3}Nb_{2/3})O₃-PbTiO₃.** (Invited) (ID: 877) [[Full Paper PDF](#)] [[Abstract](#)]
Haosu Luo (), Dan Zhou (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0041; pp.168-170.

5B. NDE Signal Processing:

Chair: Ramazan Demirli, *Canfield Scientific, USA.*

Time: Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 5C.

- 13:30-13:45. **5B-1. Ultrasonic Signal Compression Using Wavelet Packet Decomposition and Adaptive Thresholding.** (ID: 486) [[Full Paper PDF](#)] [[Abstract](#)]
Erdal Oruklu (, **), Namitha Jayakumar, Jafar Saniie*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0042; pp.171-175.
- 13:45-14:00. **5B-2. Sparse deconvolution of ultrasonic NDE traces ---- a preliminary study.** (ID: 152) [[Full Paper PDF](#)] [[Abstract](#)]
Guangming Zhang (, **), David Harvey, Derek Braden*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0043; pp.176-179.
- 14:00-14:15. **5B-3. Special probe waveforms for flaw detection at “hot spots”.** (ID: 1068) [[Full Paper PDF](#)] [[Abstract](#)]
David Greve (, **), Irving Oppenheim*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0044; pp.180-183.
- 14:15-14:30. **5B-4. S-Transform Applied To Ultrasonic Nondestructive Testing.** (ID: 1030) [[Full Paper PDF](#)] [[Abstract](#)]
*Muhammad malik (**), Jafar Saniie*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0045; pp.184-187.
- 14:30-14:45. **5B-5. Ultrasonic Guided-Waves Characterization with Warped Frequency Transforms.** (ID: 297) [[Full Paper PDF](#)] [[Abstract](#)]
Luca De Marchi (, **), Alessandro Marzani, Salvatore Caporale, Nicolo Speciale*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0046; pp.188-191.

- 14:45-15:00. **5B-6. Estimation of Chemical Reaction Kinetics Using Ultrasound.** (ID: 343) [[Full Paper PDF](#)] [[Abstract](#)]
Johan E. Carlson (, **), Veli-Matti Taavitsainen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0047; pp.192-195.

6B. Advances in Materials & Propagation:

Chair: Jan H. Kuypers, *University of California Berkeley, CA, USA.*

Time: Monday, November 3, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** 307.

- 13:30-13:45. **6B-1. Fabrication of SHF range SAW devices on AlN/Diamond-substrate.** (ID: 147) [[Full Paper PDF](#)] [[Abstract](#)]
Tatsuya Omori (, **), Atsushi Kobayashi, Yuya Takagi, Ken-ya Hashimoto, Masatsune Yamaguchi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0048; pp.196-200.

- 13:45-14:00. **6B-2. Large Q.f Product for HBAR using smart cut™ reported LiNbO₃ on LiNbO₃ substrate.** (ID: 228) [[Full Paper PDF](#)] [[Abstract](#)]
*Mathieu Pijolat (**), Jean Sebastien Moulet, Alexandre Reinhardt, Emmanuel Defaÿ, Denis Mercier, Chrystel Deguet, Dorian Gachon, Sylvain Ballandras, Marc Aïd, Bruno Ghyselen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0049; pp.201-204.

- 14:00-14:15. **6B-3. High Temperature Stability of Langasite Surface Acoustic Wave Devices.** (ID: 292) [[Full Paper PDF](#)] [[Abstract](#)]
*Mauricio Pereira da Cunha (**), Robert Lad, Thomas Moonlight, George Bernhardt, David Frankel*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0050; pp.205-208.

- 14:15-14:30. **6B-4. SAW-Relevant Material Properties of Langasite in the Temperature Range from 25 to 750 °C: New Experimental Results.** (ID: 533) [[Full Paper PDF](#)] [[Abstract](#)]
*Ismail Shrena (**), Jochen Bardong, Martin Schmitt, David Eisele, Elena Mayer, Leonhard Michael Reindl*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0051; pp.209-212.

- 14:30-14:45. **6B-5. Thin Films of PZT- based Ternary Perovskite Compounds for MEMS.** (ID: 425) [[Full Paper PDF](#)] [[Abstract](#)]
Kiyotaka Wasa (), Isaku Kanno, Hidetoshi Kotera, Norihiro Yamauchi, Tomoaki Matsuhima, Kiyotaka Wasa (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0052; pp.213-216.

Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.):

1C. Shear Wave and Shear Strain Imaging:

Chair: James Greenleaf, *Mayo Clinic College of Medicine, MN, USA.*

Time: Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 3.

- 16:45-17:00. **1C-2. Rapid Shear Wave Measurement for SDUV with Broadband Excitation Pulses and Non-Uniform Sampling.** (ID: 846) [[Full Paper PDF](#)] [[Abstract](#)]
Yi Zheng (, **), Aiping Yao, Shigao Chen, James Greenleaf*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0053; pp.217-220.
- 17:00-17:15. **1C-3. Shear Wave Induced Resonance: a new excitation mode for dynamic elastography imaging.** (ID: 619) [[Full Paper PDF](#)] [[Abstract](#)]
Anis Hadj Henni (, **), Cedric Schmitt, Guy Cloutier*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0054; pp.221-224.
- 17:15-17:30. **1C-4. Simultaneous imaging of artery-wall strain and blood flow realized by high frame rate acquisition of RF echoes.** (ID: 673) [[Full Paper PDF](#)] [[Abstract](#)]
Hideyuki Hasegawa (, **), Hiroshi Kanai*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0055; pp.225-228.

2C. Bone II:

Chair: Pascal Laugier, *Université Paris VI, Paris, France.*


Time: Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** 201A/B/C.

- 16:30-16:45. **2C-1. How Does Ultrasound Bidirectional Axial Transmission Reflect Geometry of Long Bones?.** (ID: 583) [[Full Paper PDF](#)] [[Abstract](#)]
*Thien-Ly Pham (**), Maryline Talmant, Pascal Laugier*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0056; pp.229-232.
- 16:45-17:00. **2C-2. Simulation of Propagation Characteristics of Ultrasonic Guided Waves in Fractured Long Bone.** (ID: 236) [[Full Paper PDF](#)] [[Abstract](#)]
Kailiang Xu (, **), Dean Ta (**), Weiqi Wang, Petro Moilanen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0057; pp.233-236.
- 17:00-17:15. **2C-3. A theoretical and experimental study of bone's microstructural effect on the dispersion of ultrasonic guided waves.** (ID: 551) [[Full Paper PDF](#)] [[Abstract](#)]
Maria Vavva (), Vasilios Protopappas, Leonidas Gergidis, Antonios Charalambopoulos, Dimitrios Fotiadis (**), Demos Polyzos*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0058; pp.237-240.
- 17:30-17:45. **2C-5. A Minute Bone Bending Angle Measurement Method using Echo-Tracking for Assessment of Bone Strength In Vivo.** (ID: 79) [[Full Paper PDF](#)] [[Abstract](#)]
Ryoichi Sakai (, **), Koichi Miyasaka, Eiichi Minagawa, Toshiki Ohtsuka, Akimitsu Harada, Yoshihiro Yoshikawa, Juntaro Matsuyama, Kenji Tobita, Kozo Nakamura, Isao Ohnishi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0059; pp.241-244.

3C. Phononic Crystals I - Bandgap & Focusing:

Chair: Yook-Kong Yong, *Rutgers University, NJ, USA.*

Time: Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 5A.

- 17:00-17:15. **3C-3. Band gap analysis of two-dimensional phononic crystals based on boundary element method.** (ID: 333) [[Full Paper PDF](#)] [[Abstract](#)]
*Feng-lian Li, Yue-sheng Wang (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0060; pp.245-248.
- 17:15-17:30. **3C-4. Band structure of evanescent waves in phononic crystals.** (ID: 882) [[Full Paper PDF](#)] [[Abstract](#)]
Vincent Laude (, **), Boujemaa Aoubiza, Younes Achaoui, Sarah Benchabane, Abdelkrim Khelif*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0061; pp.249-252.
- 17:30-17:45. **3C-5. Negative refraction of transverse waves in an elastic phononic crystal.** (ID: 575) [[Full Paper PDF](#)] [[Abstract](#)]
Anne-Christine HLADKY (, **), Jérôme VASSEUR, Bertrand DUBUS, Bahram DJAFARI-ROUHANI, Bruno MORVAN, TINEL Alain, Didace EKEOM*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0062; pp.253-256.
- 17:45-18:00. **3C-6. General analytical scheme for determining the characteristic caustic points in phonon focusing patterns of cubic crystals.** (ID: 53) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia Zipped](#) (1 MB)] 
Litian Wang (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0063 pp.257-260.

4C. Single Crystal II:

Chair: Clyde Oakley, *W. L. Gore, USA.*

Time: Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 5B.

- 17:00-17:15. **4C-2. Elastic, Piezoelectric and Dielectric Properties of PIN-PMN-PT Crystals Grown by Bridgman Method.** (ID: 465) [[Full Paper PDF](#)] [[Abstract](#)]
Jun Luo (, **), Shujun Zhang, Thomas Shrout, Wesley Hackenberger*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0064; pp.261-264.
- 17:15-17:30. **4C-3. Frequency Dependent Properties of High Permittivity PMNT Piezoelectric for Ultrasonic Transducer Applications.** (ID: 606) [[Full Paper PDF](#)] [[Abstract](#)]
Shujun Zhang (, **), Hyeong Jae Lee, Xiaoning Jiang, Jun Luo, Eugene Gerber, Nadine Smith, Thomas Shrout*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0065; pp.265-268.
- 17:45-18:00. **4C-5. Improved Properties of Piezoelectric Crystals in the Lead Indium Niobate-Lead Magnesium Niobate-Lead Titanate.** (ID: 680) [[Full Paper PDF](#)] [[Abstract](#)]
Jian Tian (, **), Pengdi Han, James Carroll, David Payne*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0066; pp.269-271.

5C. Bulk Acoustic Wave Sensors:

Chair: John Vetelino, *University of Maine, ME, USA.*

Time: Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 5C.

- 17:15-17:30. **5C-3. Lateral Field Excitation of Well Structures in Quartz.** (ID: 449) [[Full Paper PDF](#)] [[Abstract](#)]
Shane Winters (, **), George Bernhardt, David Frankel, John Vetelino*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0067; pp.272-275.
- 17:30-17:45. **5C-4. Novel electrode configurations of lateral field Excited acoustic wave devices on (yxl)-58&[deg] LiNbO₃.** (ID: 482) [[Full Paper PDF](#)] [[Abstract](#)]
*Wenyan Wang, Chao Zhang (**), Zhitian Zhang, Yan Liu, Guanping Feng, Gang Jing*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0068; pp.276-279.
- 17:45-18:00. **5C-5. More Comprehensive Model of Quartz Crystal Microbalance Response to Viscoelastic Loading.** (ID: 285) [[Full Paper PDF](#)] [[Abstract](#)]
*Raimund Bruenig (**), Manfred Weihnacht, Hagen Schmidt, Glen Guhr*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0069; pp.280-283.

6C. SAW Devices:

Chair: Victor Plessky, *GVR Trade SA, Switzerland.*

Time: Monday, November 3, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** 307.

- 16:30-16:45. **6C-1. Ring Waveguide Resonator on SAW – Quality Factor vs Electrode Structure Properties.** (ID: 63) [[Full Paper PDF](#)] [[Abstract](#)]
Sergey Biryukov (, **), Hagen Schmidt, Manfred Weihnacht*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0070; pp.284-287.
- 16:45-17:00. **6C-2. SAW Band Rejection Filters for Mobile Digital Television.** (ID: 29) [[Full Paper PDF](#)] [[Abstract](#)]
Thomas Bauer (, **), Matthias Jungkunz, Karl Wagner*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0071; pp.288-291.
- 17:00-17:15. **6C-3. Low Loss SAW RF ID Tags for Space Sensor Applications.** (ID: 785) [[Full Paper PDF](#)] [[Abstract](#)]
Nancy Saldanha (, **), Donald Malocha*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0072; pp.292-295.
- 17:15-17:30. **6C-4. Two-finger (TF) SPUDT cells.** (ID: 122) [[Full Paper PDF](#)] [[Abstract](#)]
*Guenther Martin (**), Sergey Biryukov, Hagen Schmidt, Bernd Steiner, Bert Wall (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0073; pp.296-299.
- 17:30-17:45. **6C-5. SAW ID-tag for industrial application with large data capacity and anticollision capability.** (ID: 74) [[Full Paper PDF](#)] [[Abstract](#)]
Gudrun Bruckner (, **), Rene Fachberger*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0074; pp.300-303.
- 17:45-18:00. **6C-6. The OmniSAW device concept: Omnidirectional band gap for SAW.** (ID: 912) [[Full Paper PDF](#)] [[Abstract](#)]
Abdelkrim Khelif (, **), Abdelkrim Choujaa, Jean-yves Rauch, Valérie Petrini, Hanane*

Moubchir, Sarah Benchabane, Vincent Laude

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0075; pp.304-307.

Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.):

1D. Elasticity Imaging: Applications:

Chair: Matthew O'Donnell, *University of Washington, WA, USA.*

Time: Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 3.

- 08:30-08:45. **1D-1. Ablation Monitoring with a Regularized 3D Elastography Technique.** (ID: 1170) [[Full Paper PDF](#)] [[Abstract](#)]
*Hassan Rivaz (**), Ioana Fleming, Michael Choti, Gregory Hager, Emad Boctor (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0076; pp.308-312.
- 08:45-09:00. **1D-2. Comparison of Ultrasound Strain Images with Multi-modality Imaging Techniques in Liver RF Ablation Assessment: Initial Ex vivo and Clinical Results.** (ID: 630) [[Full Paper PDF](#)] [[Abstract](#)]
*Anna Fernandez (**), Orpheus Kolokythas, Thomas Gauthier, Daniel Herzka, Abhay Patil, Hua Xie*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0077; pp.313-316.
- 09:00-09:15. **1D-3. Assessment of the elastic properties of heterogeneous tissues using transient elastography: Application to the liver.** (ID: 508) [[Full Paper PDF](#)] [[Abstract](#)]
Cécile Bastard (, **), Yassine Mofid, Jennifer Oudry, Jean-Pierre Remenieras, Véronique Miette, Laurent Sandrin*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0078; pp.317-320.
- 09:15-09:30. **1D-4. ShearWaveTM Elastography: a new real time ultrasound imaging mode for assessing quantitatively soft tissue viscoelasticity.** (ID: 973) [[Full Paper PDF](#)] [[Abstract](#)]
Jeremy Bercoff (, **), Aline Criton, Claude Cohen-Bacrie, Jacques Souquet, Mickael Tanter, Thomas Deffieux, Jean Luc Gennisson, Mathias Fink, Valérie Juhan, Anne Colavolpe, Dominique Amy, Alexandra Athanasiou*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0079; pp.321-324.
- 09:30-09:45. **1D-5. Ultrasound Displacement Estimation Combining Viterbi Processing and Phase Rotated Correlation Coefficient Filter.** (ID: 1079) [[Full Paper PDF](#)] [[Abstract](#)]
*Lingyun Huang (**), Yael Petrank, Congxian Jia, Sheng-Wen Huang, Matthew O'Donnell*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0080; pp.325-328.
- 09:45-10:00. **1D-6. An Algorithm for Strain Reconstruction from Irregularly Sampled, Incomplete Measurements.** (ID: 14) [[Full Paper PDF](#)] [[Abstract](#)]
*Mikhail Danilouchkine (**), Frits Mastik, Antonius van der Steen (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0081; pp.329-332.

2D. Contrast Agents: Targeting and Therapeutics:

Chair: Tom Matula, *Applied Physics Laboratory, University of Washington, USA.*

Time: Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** 201A/B/C.

- 08:30-08:45. **2D-1. Oil-filled polymeric ultrasound contrast agent as local drug delivery system for lipophilic drugs.** (ID: 220) [[Full Paper PDF](#)] [[Abstract](#)]
Klazina Kooiman (, **), Marcel R. Böhmer, Marcia Emmer, Hendrik J. Vos, Ceciel Chlon, William T. Shi, Christopher S. Hall, Suzanne H.P.M. de Winter, Karin Schroën, Michel Versluis, Nico de Jong, Annemieke van Wamel*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0082; pp.333-336.
- 08:45-09:00. **2D-2. Ultrasound Activated Paclitaxel Delivery in Mice Using a Combined Therapy and Imaging Probe System.** (ID: 411) [[Full Paper PDF](#)] [[Abstract](#)]
William Shi (, **), Marcel Bohmer, Muzafer Celebi, Annemieke van Wamel, Chien Ting Chin, Ceciel Chlon, Alexander Klivanov, Christopher Hall*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0083; pp.337-340.
- 09:15-09:30. **2D-4. Parameter space for microbubble wall interaction estimated from gel phantom.** (ID: 614) [[Full Paper PDF](#)] [[Abstract](#)]
Charles Caskey (), Shengping Qin, Paul Dayton, Katherine Ferrara (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0084; pp.341-344.
- 09:30-09:45. **2D-5. Micro Bubble Adhesion to Target Wall by Frequency Sweep of Ultrasonic Pumping Wave.** (ID: 567) [[Full Paper PDF](#)] [[Abstract](#)]
*Yoshiki Yamakoshi (**), Takashi Miwa*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0085; pp.345-348.
- 09:45-10:00. **2D-6. Adherence of Platelet and Fibrin Targeted Ultrasound Contrast Bubbles to Human Blood Clots In Vitro.** (ID: 1056) [[Full Paper PDF](#)] [[Abstract](#)]
Savitha Fernandes, Flemming Forsberg (, **), Samuel Gilmore, Sergiy Shevchuk, Arthur Kerschen, Terry Matsunaga, Reena Zutshi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0086; pp.349-352.

3D. Medical Signal Processing I: Ton van der Steen, *Erasmus Medical Center, The Netherlands.*

Chair: Ton van der Steen, *Erasmus Medical Center, The Netherlands.*

Time: Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** 305A/B/C.

- 08:30-08:45. **3D-1. Oriented Demodulation and Frequency Splitting for Directive Filtering Based Compounding.** (ID: 739) [[Full Paper PDF](#)] [[Abstract](#)]
*Paul Liu (**), Dong Liu*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0087; pp.353-356.
- 08:45-09:00. **3D-2. A new frequency compounding technique for super harmonic imaging.** (ID: 224) [[Full Paper PDF](#)] [[Abstract](#)]
Guillaume Matte (, **), Paul van Neer, Jerome Borsboom, Martin Verweij, Nico de Jong*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0088; pp.357-360.

- 09:00-09:15. **3D-3. Segmentation of Speckle-Reduced 3D Medical Ultrasound Images.** (ID: 626) [[Full Paper PDF](#)] [[Abstract](#)]
Peder Pedersen (, **), John David Quartararo, Thomas Szabo*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0089; pp.361-366.
- 09:15-09:30. **3D-4. Ultrasonic Molecular Imaging of Primordial Angiogenic Vessels in the Papilloma Virus Transgenic Mouse with $\alpha_v\beta_3$ -Integrin Targeted Nanoparticles Using Renyi Entropy-Based Signal Detection.** (ID: 791) [[Full Paper PDF](#)] [[Abstract](#)]
Kirk Wallace (, **), Jon Marsh, Lewis Thomas, Robert Neumann, Jeffery Arbeit, Gregory Lanza, Samuel Wickline*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0090; pp.367-370.
- 09:30-09:45. **3D-5. Multi-Frequency Processing for Lumen Enhancement with Wideband Intravascular Ultrasound.** (ID: 608) [[Full Paper PDF](#)] [[Abstract](#)]
Wenguang Li (, **), Rory Carrillo, Jian Yuan, Tat-Jin Teo, Lewis(Tom) Thomas*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0091; pp.371-374.
- 09:45-10:00. **3D-6. Green's Function Method for Modeling Nonlinear Three-dimensional Pulsed Acoustic Fields in Diagnostic Ultrasound Including Tissue-like Attenuation.** (ID: 789) [[Full Paper PDF](#)] [[Abstract](#)]
Jacob Huijssen (), Martin D. Verweij (**), Nico De Jong*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0092; pp.375-378.

4D. cMUTs:

Chair: Omer Oralkan, Stanford University, CA, USA.

Time: Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 2A.

- 08:30-08:45. **4D-1. Analysis of Charge Effects in High Frequency CMUTs.** (ID: 552) [[Full Paper PDF](#)] [[Abstract](#)]
Kjersti Midtbø (, **), Arne Rønnekleiv*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0093; pp.379-382.
- 08:45-09:00. **4D-2. Analysis of the Charging Problem in Capacitive Micro-machined Ultrasonic Transducers.** (ID: 112) [[Full Paper PDF](#)] [[Abstract](#)]
S. Machida (, **), S. Migitaka, T. Kobayashi, H. Tanaka, K. Hashiba, H. Enomoto, Y. Tadaki*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0094; pp.383-385.
- 09:15-09:30. **4D-4. Single chip CMUT arrays with integrated CMOS electronics: Fabrication Process Development and Experimental Results.** (ID: 816) [[Full Paper PDF](#)] [[Abstract](#)]
*Jaime Zahorian, Rasim Guldiken, Gokce Gurun, Muhammad Shakeel Qureshi, Mujdat Balantekin, Paul Hasler (**), F. Levent Degertekin (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0095; pp.386-389.
- 09:30-09:45. **4D-5. Front-end CMOS electronics for monolithic integration with CMUT arrays: Circuit design and initial experimental results.** (ID: 616) [[Full Paper PDF](#)] [[Abstract](#)]
*Gokce Gurun (**), Muhammad Shakeel Qureshi, Mujdat Balantekin, Rasim Guldiken, Jaime Zahorian, Sheng-Yu Peng, Arindam Basu, Mustafa Karaman, Paul Hasler, Levent Degertekin*

(*)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0096; pp.390-393.

09:45-
10:00.**4D-6. Fabrication and Characterization of Surface Micromachined CMUT with a Bossed Membrane.** (ID: 814) [[Full Paper PDF](#)] [[Abstract](#)]*Mengli Wang (*, **), Jingkuang Chen, Xiaoyang Cheng, Chuan Li, Xueyuan Liu*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0097; pp.394-397.

5D. Industrial Measurement:**Chair:** Jiromaru Tsujino, *Kanagawa University, Yokohama, Japan.***Time:** Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 2B.08:30-
08:45.**5D-1. Ultrasonic Velocity Measurement for Analysis of Brick Structure.** (ID: ID: 16) [[Full Paper PDF](#)] [[Abstract](#)]*Tadashi Kojima (*), Hiroshi Haya, Kuniyuki Minegishi, Ri Nguyen, Tadashi Kojima (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0098; pp.398-401.

08:45-
09:00.**5D-2. PiQC - A Process integrated Quality Control for Nondestructive Evaluation of Ultrasonic Wire Bonds.** (ID: 538) [[Full Paper PDF](#)] [[Abstract](#)]*Sebastian Hagenkötter (*, **), Michael Brökelmann, Hans J. Hesse*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0099; pp.402-405.

09:00-
09:15.**5D-3. Evaluating technology of spot weld quality for coated high strength steel sheet based on ultrasonic guide wave.** (ID: 200) [[Full Paper PDF](#)] [[Abstract](#)]*Zhenhua Chen (**), Yaowu Shi, Haiyan Zhao*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0100; pp.406-409.

09:15-
09:30.**5D-4. Modeling and Measurement of Piezoelectric Ultrasonic Transducers for Transmitting Guided Waves in Rails.** (ID: 352) [[Full Paper PDF](#)] [[Abstract](#)]*Philip Loveday (*, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0101; pp.410-413.

09:30-
09:45.**5D-5. Ultrasonic imaging of solid railway wheels.** (ID: 157) [[Full Paper PDF](#)] [[Abstract](#)]*Montserrat Parrilla, Patricia Nevado (**), Alberto Ibáñez, Jorge Camacho, José Brizuela, Carlos Fritsch*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0102; pp.414-417.

09:45-
10:00.**5D-6. Making Screws as Axial Load and Temperature Probes Using Integrated Ultrasonic Transducer.** (ID: 1066) [[Full Paper PDF](#)] [[Abstract](#)]*Kuo-Ting Wu (**), Makiko Kobayashi, Cheng-Kuei Jen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0103; pp.418-421.

6D. Bulk Wave Resonators I:**Chair:** John D. Larson III, *Avago Technology, USA.***Time:** Tuesday, November 4, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 2C.

- 08:30-09:00. **6D-1. Theory, and Experimental Verifications of the Resonator Q and Equivalent Electrical Parameters due to Viscoelastic, Conductivity and Mounting Supports Losses.** (Invited) (ID: 258) [[Full Paper PDF](#)] [[Abstract](#)]
Yook-Kong Yong (*, **), Mihir Patel, Masako Tanaka
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0104; pp.422-430.
- 09:00-09:15. **6D-2. After 60 Years: A New Formula for Computing Quality Factor is Warranted.** (ID: 1121) [[Full Paper PDF](#)] [[Abstract](#)]
Reed Parker, Richard Ruby, David Feld (**), Paul Bradley, Shim Dong
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0105; pp.431-436.
- 09:15-09:30. **6D-3. Constancy on Quality Factor of Dual-T Quartz Crystal Resonator Circuit.** (ID: 732) [[Full Paper PDF](#)] [[Abstract](#)]
Takehiko Adachi (*, **), Daisuke Akamatsu, Koichi Hirama, Yasuhiko Nakagawa, Takeshi Yanagisawa
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0106; pp.437-438.
- 09:30-09:45. **6D-4. UNIQUE PROPERTIES OF HBAR CHARACTERISTICS.** (ID: 950) [[Full Paper PDF](#)] [[Abstract](#)]
Georgy Mansfeld (**), Sergey Alekseev, Natalia Polzikova
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0107; pp.439-442.
- 09:45-10:00. **6D-5. Three operation modes of acoustic wave devices with a lateral field exictation structure.** (ID: 1147) [[Full Paper PDF](#)] [[Abstract](#)]
Wenyan Wang, Chao Zhang (**), Zhitian Zhang, Yan Liu, Guanping Feng, Gang Jing
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0108; pp.443-446.

Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon):

1E. Clinical Cancer Imaging:

Chair: Stuart Foster, *University of Toronto, Canada.*

Time: Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 3.

There are no full papers submitted for this invited clinical session (1E-1, 1E-2, and 1E-3). Please see the [Abstract Book](#) for abstracts.

2E. Arrays and Therapeutic Devices:

Chair: Shin Umemura, *Kyoto University, Japan.*

Time: Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon); **Room:** 201A/B/C.

- 10:30-10:45. **2E-1. Electronically steerable large-scale ultrasound phased-array for noninvasive transcranial therapy.** (ID: 802) [[Full Paper PDF](#)] [[Abstract](#)]
Junho Song (*), Kullervo Hynynen (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0109; pp.447-450.

10:45-
11:00.

2E-2. Radiation force localization of HIFU therapeutic beams coupled with MR-Elastography treatment monitoring – In vivo application to the rat brain –. (ID: 1055)

[[Full Paper PDF](#)] [[Abstract](#)]

Benoit Larrat (, **), Mathieu Pernot, Jean-François Aubry, Ralph Sinkus, Mickael Tanter, Mathias Fink*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0110; pp.451-454.

11:00-
11:15.

2E-3. Molecular focusing of high-intensity ultrasound: Time-reversal focusing applied to targeted ultrasound contrast agents. (ID: 541) [[Full Paper PDF](#)] [[Abstract](#)]

Olivier Couture (, **), Mickael Tanter, Mathias Fink*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0111; pp.455-458.

11:15-
11:30.

2E-4. Design and Test of a Monolithic Ultrasound-Image-guided HIFU Device using Annular CMUT Rings. (ID: 1052) [[Full Paper PDF](#)] [[Abstract](#)]

Mengli Wang (, **), Jingkuang Chen, Xiaoyang Cheng, Jui-Ching Cheng, Pai-Chi Li*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0112; pp.459-462.

11:30-
11:45.

2E-5. Space-filling, aperiodic array ultrasonic therapy transducers. (ID: 461) [[Full Paper PDF](#)] [[Abstract](#)]

Balasundar Raju (), Christopher Hall (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0113; pp.463-466.

3E. Medical Signal Processing II:

Chair: **Pai-Chi Li**, *National Taiwan University, Taipei, Taiwan.*

Time: Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon); **Room:** 305A/B/C.

10:30-
10:45.

3E-1. Mirrored Motion-Compensation for Complementary-Coded Medical Ultrasonic Imaging. (ID: 373) [[Full Paper PDF](#)] [[Abstract](#)]

*Cormac Cannon (**), John Hannah, Steve McLaughlin*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0114; pp.467-470.

10:45-
11:00.

3E-2. 3D Cardiac Motion Estimation using RF Signal Decorrelation. (ID: ID: 1054) [[Full Paper PDF](#)] [[Abstract](#)]

Christopher D. Garson (, **), Yinbo Li, John A. Hossack*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0115; pp.471-474.

11:00-
11:15.

3E-3. Reducing Peak Hopping Artifacts in Ultrasonic Strain Estimation with the Viterbi Algorithm. (ID: 296) [[Full Paper PDF](#)] [[Abstract](#)]

Yael Petrank (), Lingyun Huang, Matthew O'Donnell, Yael Petrank, Lingyun Huang, Matthew O'Donnell (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0116; pp.475-478.

11:15-
11:30.

3E-4. Precision of Needle Tip Localization Using a Receiver in the Needle. (ID: 568) [[Full Paper PDF](#)] [[Abstract](#)]

*Svetoslav I. Nikolov (**), Jørgen A. Jensen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0117; pp.479-482.

11:45-
12:00.

3E-6. 2D Filter Design for the Reduction of Beamforming Artifacts in Coarsely-sampled Imaging Apertures. (ID: 457) [[Full Paper PDF](#)] [[Abstract](#)]

Yayun Wan (*), Emad Ebbini (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0118; pp.483-486.

4E. cMUT Modeling:

Chair: Paul Reynolds, *Weidlinger Associates Inc, USA.*

Time: Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 2A.

10:30-
10:45.

4E-1. Finite Element Analysis of Stress Stiffening Effects in CMUTs. (ID: 835) [[Full Paper PDF](#)] [[Abstract](#)]

Mario Kupnik (*, **), Ira O. Wygant, Butrus T. Khuri-Yakub

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0119; pp.487-490.

10:45-
11:00.

4E-2. Calculation of equivalent parameters in CMUT 1-D theoretical model. (ID: 277) [[Full Paper PDF](#)] [[Abstract](#)]

Wenchao Zhou (**), Ting Yu, Fengqi Yu

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0120; pp.491-495.

11:00-
11:15.

4E-3. Fast and Accurate CMUT Modeling using Equivalent Circuits with Lumped Parameters. (ID: 536) [[Full Paper PDF](#)] [[Abstract](#)]

Arne Rønnekleiv (*, **)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0121; pp.496-499.

11:15-
11:30.

4E-4. Beam Structure for CMUT with Desired Frequency Spectrum. (ID: 12) [[Full Paper PDF](#)] [[Abstract](#)]

Hiroki Tanaka (*), Takashi Azuma (**), Shuntaro Machida, Kunio Hashiba, Takashi Kobayashi

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0122; pp.500-503.

11:30-
11:45.

4E-5. Optimum design of circular CMUT membranes for high quality factor in air. (ID: 1090) [[Full Paper PDF](#)] [[Abstract](#)]

Kwan Kyu Park (*, **), Hyunjoo Jenny Lee, Paul Cristman, Mario Kupnik, Omer Oralkan, Butrus (Pierre) T. Khuri-Yakub

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0123; pp.504-507.

5E. Flow Measurements:

Chair: Edward Haeggstorm, *Institute of Physics, University of Helsinki, Finland.*

Time: Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 2B.

10:30-
11:00.

5E-1. New Developments in Ultrasonic Gas Analysis and Flowmetering. (Invited) (ID: 1017) [[Full Paper PDF](#)] [[Abstract](#)]

Saul Jacobson (*, **)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0124; pp.508-516.

- 11:00-11:15. **5E-2. A New Calibration Method for Ultrasonic Clamp-On Transducers.** (ID: 234) [[Full Paper PDF](#)] [[Abstract](#)]
Oliver Keitmann-Curdes (, **), Bernhard Funck*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0125; pp.517-520.
- 11:30-11:45. **5E-4. An Ultrasound-actuated Micropump that Uses Nanoporous One-Way Membrane as Nozzle-Diffuser.** (ID: 720) [[Full Paper PDF](#)] [[Abstract](#)]
Chen Chao, Ching-Hsiang Cheng (, **), Zongbin Liu, Mo Yang, Wallace W. F. Leung*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0126; pp.521-524.

6E. Ultrasonic Wave Propagation I:

Chair: Georg Mansfeld, *Russian Academy of Sciences, Russia.*

Time: Tuesday, November 4, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 2C.

- 10:45-11:00. **6E-2. The acoustoelastic effect of Love waves in elastic-plastic deformed layered rocks.** (ID: 733) [[Full Paper PDF](#)] [[Abstract](#)]
*Jinxia Liu (**), Zhiwen Cui, Kexie Wang (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0127; pp.525-528.
- 11:00-11:15. **6E-3. Diffraction divergence of SH_0 wave in thin piezoelectric plate of lithium niobate.** (ID: 975) [[Full Paper PDF](#)] [[Abstract](#)]
*Boris Zaitsev (**), Andrei Teplykh (*), Iren Kuznetsova*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0128; pp.529-531.
- 11:15-11:30. **6E-4. High frequency wave propagation in structured materials: modelling results.** (ID: 471) [[Full Paper PDF](#)] [[Abstract](#)]
Roger Young (, **), Paul Harris, Andrew Dawson, Frederic Lecarpentier*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0129; pp.532-535.

Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.):

1F. 3-D Elasticity Imaging:

Chair: Anne Hall, *General Electric Medical Systems, USA.*

Time: Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 3.

- 13:30-13:45. **1F-1. Three Dimensional Elastic Modulus Reconstruction for Non-invasive, Quantitative Monitoring of Tissue Scaffold Mechanical Property Changes.** (ID: 610) [[Full Paper PDF](#)] [[Abstract](#)]
*Michael Richards (**), Claire Jeong, Scott Hollister, Jonathan Rubin, Kang Kim*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0130; pp.536-539.
- 13:45-14:00. **1F-2. Three-Dimensional Acoustic Radiation Force Impulse (ARFI) Imaging of Human Prostates *in vivo*.** (ID: 978) [[Full Paper PDF](#)] [[Abstract](#)]
*Liang Zhai (**), Jeremy Dahl, John Madden, Vladimir Mouraviev, Thomas Polascik, Mark*

Palmeri, Kathy Nightingale

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0131; pp.540-543.

14:15- **1F-4. 3D Strain Imaging Method Adapted to Large Deformations and Freehand Scanning.**
14:30. (ID: 351) [[Full Paper PDF](#)] [[Abstract](#)]

Jean-François Deprez (, **), Elisabeth Brusseau, Olivier Basset*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0132; pp.544-547.

14:30- **1F-5. Deconvolution and elastography based on 3D ultrasound. (Invited)** (ID: 111) [[Full](#)
15:00. [Paper PDF](#)] [[Abstract](#)]

Richard Prager (, **), Andrew Gee, Graham Treece, Nick Kingsbury, Joel Lindop, Henry Gomersall, Ho-Chul Shin*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0133; pp.548-557.

2F. Ultrasound Mediated Delivery of Therapeutic Agents:

Chair: Larry Crum, *University of Washington, WA, USA.*

Time: Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** 201A/B/C.

13:45- **2F-2. The size of sonoporation pores on the cell membrane.** (ID: 1131) [[Full Paper PDF](#)]
14:00. [[Abstract](#)]

*Yun Zhou, Ronald Kumon, Jianmin Cui, Cheri Deng (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0134; pp.558-561.

14:00- **2F-3. Enhancement of Gene Therapy on Hepatocellular Carcinoma by Sonoporation --**
14:15. **Parameter Studies.** (ID: 447) [[Full Paper PDF](#)] [[Abstract](#)]

Kun-Che Tsai (), Lih-Hwa Hwang, Shu-Jyuan Yang, Che-kang Liao, Win-Li Lin, Ming-Jium Shieh, Wen-Shiang Chen (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0135; pp.562-565.

14:30- **2F-5. Noncavitational Nonporative Ultrasound Elicits Marked In Vivo Augmentation of**
14:45. **Tumor Drug Delivery with Targeted Perfluorocarbon Nanoparticles.** (ID: 795) [[Full Paper PDF](#)] [[Abstract](#)]

Steven Baldwin, Neelesh Soman, Gregory Lanza, Samuel Wickline (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0136; pp.566-569.

3F. Photoacoustic Imaging:

Chair: Georg Schmitz, *Ruhr-Universität Bochum, Germany.*

Time: Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** 305A/B/C.

14:00- **3F-3. Development of a multi-modal tissue diagnostic system combining high frequency**
14:15. **ultrasound and photoacoustic imaging with lifetime fluorescence spectroscopy.** (ID: 676)
[[Full Paper PDF](#)] [[Abstract](#)]

Yang Sun, Douglas Stephens (), Jesung Park, Yinghua Sun, Jonathan Cannata, Kirk Shung, Laura Marcu (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0137; pp.570-573.

14:15- **3F-4. Picosecond Ultrasonics in a Single Biological Cell.** (ID: 241) [[Full Paper PDF](#)]
14:30. [[Abstract](#)]

Mathieu Ducouso, Clement Rossignol (, **), Bertrand Audoin, Fabien Guillemot, Marie-Christine Durrieu*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0138; pp.574-577.

14:45- **3F-6. Selective Detection of Cancer using Multi-wavelength Photoacoustic Imaging and**
15:00. **Bioconjugated Gold Nanoparticles.** (ID: 999) [[Full Paper PDF](#)] [[Abstract](#)]

Srivalleesha Mallidi (, **), Justina Tam, Timothy Larson, Andrei Karpiouk, Konstantin Sokolov, Stanislav Emelianov*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0139; pp.578-571.

4F. SAW vs BAW:

Chair: Rich Ruby, *Avago Technologies, USA.*

Time: Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 2A.

13:30- **4F-1. SAW and BAW Technologies for RF Filter Applications: A Review of the Relative**
14:00. **Strengths and Weaknesses.** (Invited) (ID: 405) [[Full Paper PDF](#)] [[Abstract](#)]

Robert Aigner (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0140; pp.582-589.

14:00- **4F-2. High Selectivity SAW Duplexer for W-CDMA Band VIII.** (ID: 350) [[Full Paper PDF](#)]
14:15. [[Abstract](#)]

Andreas Bergmann (, **), Andreas Waldherr, Hans-Peter Kirschner, Karl Wagner*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0141; pp.590-593.

14:15- **4F-3. Suppression of Transverse Mode Spurious of SAW Resonator on an SiO₂/Al/LiNbO₃**
14:30. **Structure for Wideband CDMA Applications.** (ID: 155) [[Full Paper PDF](#)] [[Abstract](#)]

Hiroyuki Nakamura (, **), Hidekazu Nakanishi, Tetsuya Tsurunari, Ken Matsunami, Yukio Iwasaki, Ken-ya Hashimoto, Masatsune Yamaguchi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0142; pp.594-597.

14:30- **4F-4. K-Band Ladder Filters Employing Air-Gap type Thin Film Bulk Acoustic**
14:45. **Resonators.** (ID: 315) [[Full Paper PDF](#)] [[Abstract](#)]

Tsuyoshi Yokoyama (, **), Motoaki Hara, Masanori Ueda, Yoshio Satoh*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0143; pp.598-601.

14:45- **4F-5. BAW PCS-Duplexer Chipset and Duplexer Applications.** (ID: 981) [[Full Paper PDF](#)]
15:00. [[Abstract](#)]

Gernot Fattinger (, **), Alexandre Volatier, Robert Aigner, Fabien Dumont*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0144; pp.602-606.

5F. Acoustic Imaging and Microscopy:

Chair: David Greve, *Carnegie Mellon, USA.*

Time: Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 2B.

- 13:30-13:45. **5F-1. Probabilistic Mud Slowness Estimation From Sonic Array Data.** (ID: 754) [[Full Paper PDF](#)] [[Abstract](#)]
Henri-Pierre Valero (*), *Hugues Djikpesse* (**), *Sinha Bikash*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0145; pp.607-610.
- 14:00-14:15. **5F-3. Measurement Model for Attenuation of Leaky Surface Acoustic Waves by the Line-Focus-Beam Ultrasonic Material Characterization System.** (ID: 972) [[Full Paper PDF](#)] [[Abstract](#)]
Jun-ichi Kushibiki, *Mototaka Arakawa*, *Kenji Otsu* (**), *Sho Yoshida*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0146; pp.611-614.
- 14:15-14:30. **5F-4. Scanning acoustic microscopy an application for evaluating varnish layer conditions non-destructively.** (ID: 1014) [[Full Paper PDF](#)] [[Abstract](#)]
Sebastian Brand (*, **), *Peter Czurratis*, *Kay Raum*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0147; pp.615-618.
- 14:30-14:45. **5F-5. Ultrasonic Phased Array Device for Real-Time Acoustic Imaging in Air.** (ID: 1043) [[Full Paper PDF](#)] [[Abstract](#)]
Sevan Harput (*, **), *Ayhan Bozkurt*, *Feysel Yalcin Yamaner*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0148; pp.619-622.

6F: Ultrasonic Motors & Droplet Processing:

Chair: Takefumi Kanda, *Okayama University, Japan.*

Time: Tuesday, November 4, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 2C.

- 13:30-13:45. **6F-1. Initial Growth of Ultrasonically Vaporized Perfluorocarbon Microdroplets.** (ID: 1119) [[Full Paper PDF](#)] [[Abstract](#)]
Kevin Haworth (*, **), *Oliver Kripfgans*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0149; pp.623-626.
- 13:45-14:00. **6F-2. Droplets generation by a torsional bolt-clamped Langevin-type transducer and micropore plate.** (ID: 414) [[Full Paper PDF](#)] [[Abstract](#)]
Takuya Harada (*, **), *Naoyuki Ishikawa*, *Takefumi Kanda*, *Koichi Suzumori*, *Yoshiaki Yamada*, *Ken-Ichiro Sotowa*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0150; pp.627-630.
- 14:00-14:15. **6F-3. Acoustic trapping of small particles on the surface of a vibrating rod.** (ID: 73) [[Full Paper PDF](#)] [[Abstract](#)]
Yanyan Liu (*), *Junhui Hu* (**)
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0151; pp.631-634.
- 14:15-14:30. **6F-4. FE Analysis and Experimental Characterization of a High Torque Travelling Wave Ultrasonic Motor.** (ID: 31) [[Full Paper PDF](#)] [[Abstract](#)]
Antonio Iula (**), *Giulio Bollino*, *Antonio Corbo*, *Massimo Pappalardo*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0152; pp.635-638.
- 14:45- **6F-6. Structure Design Method of Bar-structure Linear Ultrasonic Motors.** (ID: 214) [[Full](#)

15:00. [Paper PDF](#) [\[Abstract\]](#)
 Zhiyuan Yao (*), Dong Yang, Xin Wu (**), Chunsheng Zhao
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0153; pp.639-642.

Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.):

1G. Visco-elasticity:

Chair: Mickael Tanter, *Laboratoire Ondes et Acoustique, ESPCI, France.*

Time: Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 3.

- 16:30-16:45. **1G-1. Dynamic Micro-Elastography applied to the viscoelastic characterization of a mimicking artery and a porcine aorta.** (ID: 646) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
 Cedric Schmitt (*, **), Anis Hadj Henni, Guy Cloutier
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0154; pp.643-646.
- 16:45-17:00. **1G-2. Investigating the Effects of Viscosity on Focused, Impulsive, Acoustic Radiation Force Induced Shear Wave Morphology.** (ID: 1077) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
 Michael Wang (*, **), Mark Palmeri, Ned Rouze, Maritza Hobson, Kathryn Nightingale
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0155; pp.647-650.
- 17:00-17:15. **1G-3. Skin viscoelasticity with surface wave method.** (ID: 651) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
 Xiaoming Zhang (*, **), Randall Kinnick, Mark Pittelkow, James Greenleaf
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0156; pp.651-653.
- 17:15-17:30. **1G-4. Quantification of Liver Stiffness and Viscosity with SDUV: *In Vivo* Animal Study.** (ID: 460) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
 Shigao Chen (*, **), Matthew Urban, Yi Zheng, Aiping Yao, James Greenleaf
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0157; pp.654-657.
- 17:30-17:45. **1G-5. Measuring Viscoelastic Properties with *in-situ* Ultrasonically Induced Microbubbles.** (ID: 1074) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
 Rei Asami (*, **), Teiichiro Ikeda, Takashi Azuma, Hideki Yoshikawa, Ken-ichi Kawabata
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0158; pp.658-661.

2G. Therapeutic Ultrasound:

Chair: Kullervo Hynynen, *University of Toronto, Canada.*

Time: Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** 201A/B/C.

- 16:30-16:45. **2G-1. Optimum Protocols in the Design of 2-D Spherical-Sectioned Phased-Array for 3-D Focused Ultrasound Surgery.** (ID: 713) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
 Mingzhu Lu (**), Mingxi Wan, Xiaodong Wang
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0159; pp.662-665.
- 16:45- **2G-2. Thermal Efficiency in Sonotherapy Array Design.** (ID: 658) [\[Full Paper PDF\]](#)

17:00. [\[Abstract\]](#)
Douglas N. Stephens (, **), Dustin E. Kruse, Chun-Yen Lai, Arif S. Ergun, Stephen Barnes, Katherine W. Ferrara*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0160; pp.666-669.

17:00-17:15. **2G-3. Modulating tumor blood flow with pulsed low intensity ultrasound and microbubbles.** (ID: 641) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
David Goertz (, **), Raffi Karshafian, Kullervo Hynynen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0161; pp.670-673.

17:15-17:30. **2G-4. A Prototype Design of a Low-Frequency Hemispherical Ultrasound Phased-Array System for Transcranial Blood-Brain Barrier (BBB) Disruption.** (ID: 683) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
*Hao-Li Liu (**), Heng-Wen Chen, Zhen-Hao Kuo, I-Hong Chen, Wen-Cheng Huang*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0162; pp.674-677.

3G. High Frequency Transducers:

Chair: Jian Yuan, *Boston Scientific, USA.*

Time: Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** 305A/B/C.

16:30-16:45. **3G-1. Stiffness controlled SU-8-based nanocomposites: application for matching layer for 1 GHz ultrasonic transducer conception.** (ID: 124) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Sheng-Xiang Wang (, **), Julien Carlier, Assane Ndieguene, Pierre Campistron, Dorothee Callens-Debavelaere, Soyer Caroline, Bertrand Nongaillard, Xing-Zhong Zhao*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0163; pp.678-681.

16:45-17:00. **3G-2. 60MHz PMN-PT based 1-3 Composite Transducer for IVUS Imaging.** (ID: 413) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
*Jian Yuan (**), Sorah Rhee, Xiaoning Jiang*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0164; pp.682-685.

17:00-17:15. **3G-3. Development of High Frequency Linear Arrays using Interdigital Bonded Composites.** (ID: 394) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Jonathan Cannata (, **), Jay Williams, Chang-Hong Hu, K. Kirk Shung*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0165; pp.686-689.

17:30-17:45. **3G-5. High-Frequency (50MHz - 100MHz) Medical Ultrasound Transducer Arrays Produced by Micromachining Bulk PZT Materials.** (ID: 889) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Changgeng Liu (, **), Dawei Wu, Qifa Zhou, Frank Djuth, Kirk Shung*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0166; pp.690-693.

4G. Acoustic MEMS Devices:

Chair: Daniel Hauden, *FEMTO-ST Besancon, France.*

Time: Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 2A.



16:30- **4G-1. A Review of the Recent Development of MEMS and Crystal Oscillators and Their**

- 17:00. **Impacts on the Frequency Control Products Industry.** (*Invited*) (ID: 407) [[Full Paper PDF](#)] [[Abstract](#)]
C.S. Lam (*, **)
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0167; pp.694-704.
- 17:00-17:15. **4G-2. Internal Phase Inversion Narrow Bandwidth MEMS Filter.** (ID: 441) [[Full Paper PDF](#)] [[Abstract](#)]
Jize Yan (*), Ashwin Seshia (**), Kim Le Phan, Joost Van Beek
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0168; pp.705-708.
- 17:15-17:30. **4G-3. A Layered SAW Device Using Phononic-Crystal Reflective Gratings.** (ID: 415) [[Full Paper PDF](#)] [[Abstract](#)]
Tsung-Tsong Wu (**), Wei-Shan Wang, Jia-Hong Sun (*)
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0169; pp.709-712.
- 17:30-17:45. **4G-4. Fully-Differential Mechanically-coupled PZT-on-Silicon Filters.** (ID: 133) [[Full Paper PDF](#)] [[Abstract](#)]
Hengky Chandralalim (*, **), Sunil Bhawe, Ronald Polcawich, Jeff Pulskamp, Daniel Judy, Roger Kaul, Madan Dubey
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0170; pp.713-716.
- 17:45-18:00. **4G-5. Piezoelectrically transduced Single-Crystal-Silicon Plate Resonators.** (ID: 235) [[Full Paper PDF](#)] [[Abstract](#)]
Antti Jaakkola (*, **), Olli Holmgren, Kimmo Kokkonen, Piia Rosenberg, Samuli Asmala, James Dekker, Arto Nurmela, Tuomas Pensala, Tommi Riekkinen, Tomi Mattila, Ari Alastalo
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0171; pp.717-720.

5G. NDE Phased Arrays:

Chair: Robert Addison, Rockwell Science Center, USA.

Time: Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 2B.

- 16:30-16:45. **5G-1. Reduction of Grating Lobes in SAFT Images.** (ID: 50) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia Zipped](#) (2.4 MB)] 
Carlos Julián Martín (*, **), Oscar Martínez, Alberto Octavio, Gregorio Godoy, Luis Gómez-Ullate
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0172; pp.721-724.
- 16:45-17:00. **5G-2. Influence of SAFT Activation Sequence in 2D Arrays Performance.** (ID: 402) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia Zipped](#) (0.8 MB)] 
Carlos Martín (*, **), Oscar Martínez, Alberto Octavio, Francisco Montero, Luis Gómez-Ullate
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0173; pp.725-728.
- 17:15-17:30. **5G-4. Non-Crosstalk Real-Time Ultrasonic Range System with Optimized Chaotic Pulse Position-Width Modulation Excitation.** (ID: 702) [[Full Paper PDF](#)] [[Abstract](#)]
Zhen-Jing Yao (*), Qing-Hao Meng (**), Gen-Wang Li, Pu Lin
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0174; pp.729-732.

- 17:45-18:00. **5G-6. Application of a pseudo-3D modeling to Lamb waves generation by a surface-bonded apodized transducer: Experimental results.** (ID: 559) [[Full Paper PDF](#)] [[Abstract](#)]
*jamal assaad (**), Emmnuel Moulin, Najib Abou Leyla, Sebastien Grondel, Fredric Jenot, Mustapha Baouahi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0175; pp.733-736.

6G. Material Properties II - Crystals & Composites:

Chair: Bikash Sinha, Schlumberger Inc., USA.

Time: Tuesday, November 4, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 2C.

- 16:30-16:45. **6G-1. Study on Acoustical Physical Constants of ZnO Single Crystal Using the Ultrasonic Microspectroscopy Technology.** (ID: 767) [[Full Paper PDF](#)] [[Abstract](#)]
*Tomoya Tanaka, Yuji Ohashi (**), Mototaka Arakawa, Jun-ichi Kushibiki, Noboru Sakagami*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0176; pp.737-740.
- 17:30-17:45. **6G-5. Determination of the Absolute Orientation of Langatate Crystals Using X-ray Diffraction.** (ID: 625) [[Full Paper PDF](#)] [[Abstract](#)]
Blake Sturtevant (, **), Mauricio Pereira da Cunha, Robert Lad*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0177; pp.741-744.
- 17:45-18:00. **6G-6. VISCOSITY TENSOR COMPONENTS OF THE LANGATATE AND LANGASITE.** (ID: 970) [[Full Paper PDF](#)] [[Abstract](#)]
Sergeev Fedor (), Georgy Mansfeld, Sergey Alekseev, Natalia Polzikova, Iosif Kotelyanskii (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0178; pp.745-748.

Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.):

1H. Cardiac Imaging:

Chair: James Miller, Washington University in Saint Louis, USA.

Time: Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 3.

- 08:30-08:45. **1H-1. Cardiac Monitoring Using Transducers Attached Directly to the Heart.** (ID: 918)
 [[Full Paper PDF](#)] [[Abstract](#)]
Lars Hoff (, **), Andreas Espinoza, Halfdan Ihlen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0179; pp.749-752.
- 08:45-09:00. **1H-2. Adaptive Dynamic Grid Interpolation: A Robust, High-Performance Displacement Smoothing Filter for Myocardial Strain Imaging.** (ID: 185) [[Full Paper PDF](#)] [[Abstract](#)]
Shuhui Bu (), Tsuyoshi Shiina, Makoto Yamakawa, Hotaka Takizawa (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0180; pp.753-756.
- 09:30-09:45. **1H-4. Mapping Cardiac Currents using Ultrasound Current Source Density Imaging.** (ID: 1019) [[Full Paper PDF](#)] [[Abstract](#)]
*Ragnar Olafsson (**), Russell S. Witte, Congxian Jia, Sheng-Wen Huang, Kang Kim, Matthew*

O'Donnell

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0181; pp.757-760.

09:45-
10:00.

1H-5. 3D cardiac strain estimation using spatio-temporal elastic registration: in-vivo application. (ID: 923) [[Full Paper PDF](#)] [[Abstract](#)]

An Elen, Dirk Loeckx, Andras Horvath, Javier Ganame, Brage Amundsen, Jens-Uwe Voigt, Piet Claus, Frederik Maes, Jan D'hooge (*, **)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0182; pp.761-764.

2H. Cavitation Therapy:

Chair: Zhen Xu, University of Michigan, MI, USA.

Time: Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** 201A/B/C.

08:30-
08:45.

2H-1. Histotripsy for the treatment of BPH: evaluation in a chronic canine model. (ID: 558) [[Full Paper PDF](#)] [[Abstract](#)]

Timothy Hall (*, **), Chris Hempel, Brian Fowlkes, Charles Cain, William Roberts

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0183; pp.765-767.

08:45-
09:00.

2H-2. The Role of Inertial Cavitation in Acoustic Droplet Vaporization. (ID: 140) [[Full Paper PDF](#)] [[Abstract](#)]

Mario L. Fabiilli (*, **), Kevin J. Haworth, Oliver D. Kripfgans, Paul L. Carson, J. Brian Fowlkes

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0184; pp.768-771.

09:00-
09:15.

2H-3. Cavitation Detection with Subharmonic Emissions by Low Intensity Sustaining Ultrasound. (ID: 914) [[Full Paper PDF](#)] [[Abstract](#)]

Shin Yoshizawa (*, **), Shin-ichiro Umemura, Yoichiro Matsumoto

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0185; pp.772-775.

09:30-
09:45.

2H-5. Mean Echo Power as a Measure of Flow Reduction for Bubble Occlusion Therapy. (ID: 1099) [[Full Paper PDF](#)] [[Abstract](#)]

Kevin Haworth (*, **), Mario Fabiilli, J. Brian Fowlkes, Man Zhang, Oliver Kripfgans, William Roberts, Paul Carson

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0186; pp.776-779.

09:45-
10:00.

2H-6. Cavitation assisted HIFU with phase-change nano droplet. (ID: 507) [[Full Paper PDF](#)] [[Abstract](#)]

Ken-ichi Kawabata (*, **), Rei Asami, Takashi Azuma, Hideki Yoshikawa, Shin-ichiro Umemura

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0187; pp.780-783.

3H. Transducer Modeling and Design:

Chair: Reinhard Lerch, Univ Erlangen, Germany.

Time: Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** 305A/B/C.

08:30-
08:45.

3H-1. Finite Element Modeling of Ultrasonic Transducer by Utilizing an Inverse Scheme for the Determination of its Material Parameters. (ID: 354) [[Full Paper PDF](#)] [[Abstract](#)]

Felix Wolf, Tom Lahmer, Ludwig Bahr, Andreas Hauck, Alexander Sutor, Manfred Kaltenbacher, Reinhard Lerch (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0188; pp.784-787.

08:45-09:00. **3H-2. A comparison of array element surface vibration calculated by FEM modelling and laser interferometer measurements.** (ID: 514) [[Full Paper PDF](#)] [[Abstract](#)]
Paul van Neer (, **), Guillaume Matte, Philipp Gatta, Massimo Pappalardo, Nico de Jong*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0189; pp.788-791.

09:00-09:15. **3H-3. Development of 1.5D Cylindrical HIFU Phased Array.** (ID: 793) [[Full Paper PDF](#)] [[Abstract](#)]
*Gin-Shin Chen (**), Ruibin Liu, Hsu Chang, K. Kirk Shung*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0190; pp.792-794.

09:15-09:30. **3H-4. Piezoelectric membrane sensor and technique for breathing monitoring.** (ID: 256) [[Full Paper PDF](#)] [[Abstract](#)]
Yuu Ono (, **), Dilshad Mohamed, Makiko Kobayashi, Cheng-Kuei Jen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0191; pp.795-798.

09:30-09:45. **3H-5. Design and Fabrication of a 40MHz Transducer with Enhanced Bandwidth.** (ID: 1107) [[Full Paper PDF](#)] [[Abstract](#)]
Jian-Hung Liu (), Sheng-Yung Chen, Pai-Chi Li (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0192; pp.799-802.

4H. Device Modelling:

Chair: Clemens Ruppel, EPCOS AG, Germany.

Time: Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 2A.

08:45-09:00. **4H-2. Simulation of Waveguiding in SAW Devices on Substrates with Anisotropic Slowness and Excitation.** (ID: 286) [[Full Paper PDF](#)] [[Abstract](#)]
Markus Mayer (, **), Andreas Bergmann, Guenter Kovacs, Karl Wagner*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0193; pp.803-806.

09:00-09:15. **4H-3. Quasi-2D COM model for diffraction calculation in slanted finger SAW devices.** (ID: 779) [[Full Paper PDF](#)] [[Abstract](#)]
Eduard Chilla (, **), Bernd Steiner, Richard Gruenwald, Alexander V. Osetrov, Andrew G. Hodkin, Asger Jaffer*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0194; pp.807-810.

09:15-09:30. **4H-4. Two-Dimensional Grid Method for the Synthesis of SAW Filters.** (ID: 865) [[Full Paper PDF](#)] [[Abstract](#)]
Petr Ivanov (, **), Vladimir Makarov, Jidong Dai*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0195; pp.811-814.

09:30-09:45. **4H-5. FEM/BEM Analysis of infinite periodic grating covered with an SiO₂ overlay.** (ID: 890) [[Full Paper PDF](#)] [[Abstract](#)]
*Pascal Ventura (**), Julien Gratier*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0196; pp.815-819.

09:45-
10:00.

4H-6. Extraction of COM parameters on Pt/LGS for high temperature SAW sensor. (ID: 530) [[Full Paper PDF](#)] [[Abstract](#)]

Thierry AUBERT (), Frederic SARRY (**), Omar ELMAZRIA, Laurent BOUVOT, Badreddine ASSOUAR, Pascal NICOLAY, Michel HEHN*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0197; pp.820-823.

5H. Material and Defect Characterization:

Chair: Roman Maev, *University of Windsor, Canada.*

Time: Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 2B.

08:30-
08:45.

5H-1. Laser ultrasonic detection of corrosion and adhesive disbond using Zero-Group Velocity (ZGV) Lamb modes. (ID: 103) [[Full Paper PDF](#)] [[Abstract](#)]

Dominique Clorennec, Claire Prada (, **), Marie Yoshida, Daniel Royer*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0198; pp.824-827.

09:00-
09:15.

5H-3. Ultrasonic Imaging of Thin Layers within Multi-Layered Structures. (ID: 434) [[Full Paper PDF](#)] [[Abstract](#)]

Fredrik Häggglund (), Jesper Martinsson, Johan E. Carlson (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0199; pp.828-831.

09:30-
09:45.

5H-5. Defect detection in helical and central wires of steel strands using advanced ultrasonic guided wave technique with new type magnetostrictive transducers. (ID: 770) [[Full Paper PDF](#)] [[Abstract](#)]

Zenghua Liu (, **), Yinong Zhang, Cunfu He, Bin Wu*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0200; pp.832-835.

09:45-
10:00.

5H-6. Measurement of lubricant film thickness using normal incidence ultrasound. (ID: 703) [[Full Paper PDF](#)] [[Abstract](#)]

*JINGPIN JIAO (**), QIANG ZHANG (*), BIN WU, CUNFU HE*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0201; pp.836-839.

6H. Optical & RF Ultrasonic Effects:

Chair: Robert Aigner, *TriQuint Semiconductor, USA.*

Time: Wednesday, November 5, 2008 (8:30 a.m. - 10:00 a.m.); **Room:** Hall 2C.

08:45-
09:00.

6H-2. Sound Pressure Measurement Utilizing Light Refractive Tomography. (ID: 360) [[Full Paper PDF](#)] [[Abstract](#)]

Ludwig Bahr (, **), Reinhard Lerch*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0202; pp.840-843.

09:00-
09:15.

6H-3. A New Fiber-Optic Switch-Multiplexer Based on 2D High Efficiency Multi-frequency Acousto-optic Deflection. (ID: 278) [[Full Paper PDF](#)] [[Abstract](#)]

Valery Proklov (, **), Sergey Antonov, Alexander Vainer, Yuri Rezvov*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0203; pp.844-847.

Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon):

1I. Cardiovascular Imaging:

Chair: Chris de Korte, *Radboud University Nijmegen Medical Centre, The Netherlands.*

Time: Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 3.

- 10:30-10:45. **1I-1. Rapid 3D Transesophageal Echocardiography using a fast-rotating multiplane transducer.** (ID: 20) [[Full Paper PDF](#)] [[Abstract](#)]
Kyriakos Nathanail (, **), Marijn van Stralen, Christian Prins, Franc van den Adel, Paddy J. French, Nico de Jong, Anton F.W. van der Steen, Johan G. Bosch*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0204; pp.848-851.
- 10:45-11:00. **1I-2. Improvement of 3D Ultrasound Computer Tomography Images by Signal Pre-Processing.** (ID: 1005) [[Full Paper PDF](#)] [[Abstract](#)]
*Nicole Ruiter (**), Gregor Schwarzenberg, Michael Zapf, Hartmut Gemmeke*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0205; pp.852-855.
- 11:30-11:45. **1I-4. Non-Invasive Ultrasonic Measurement of the Relative Volume Change of the Arterial Wall – First in vivo Trial.** (ID: 24) [[Full Paper PDF](#)] [[Abstract](#)]
Hannes Mogensen, Åsa Rydén Ahlgren, Tomas Jansson, Kjell Lindström, Hans W Persson, Magnus Cinthio (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0206; pp.856-858.
- 11:45-12:00. **1I-5. Pulse Wave Imaging of Human Abdominal Aortas in vivo.** (ID: 1060) [[Full Paper PDF](#)] [[Abstract](#)]
*Jianwen Luo (**), Wei-Ning Lee, Shougang Wang, Elisa Konofagou*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0207; pp.859-862.

2I. Therapeutic Monitoring and Guidance:

Chair: Emad Ebbini, *University of Minnesota, USA.*

Time: Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon); **Room:** 201A/B/C.

- 10:30-10:45. **2I-1. A Backscatter-based Method for the Guidance of High Intensity Focused Ultrasound Treatment.** (ID: 840) [[Full Paper PDF](#)] [[Abstract](#)]
*Xinliang Zheng (**), Shahram Vaezy*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0208; pp.863-866.
- 11:00-11:15. **2I-3. Quantitative Image Feedback for Pulsed Cavitation Ultrasound Therapy-Histotripsy.** (ID: 1104) [[Full Paper PDF](#)] [[Abstract](#)]
Tzu-Yin Wang (), Zhen Xu, Frank Winterroth, Timothy Hall, J Brian Fowlkes, Edward Rothman, William Roberts, Charles Cain (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0209; pp.867-870.
- 11:15-11:30. **2I-4. Use of passive arrays for characterization and mapping of cavitation activity during HIFU exposure.** (ID: 556) [[Full Paper PDF](#)] [[Abstract](#)]
Miklos Gyongy (, **), Manish Arora, J Alison Noble, Constantin C Coussios*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0210; pp.871-874.

11:45-
12:00.

2I-6. Energy-based adaptive focusing of waves: Application to ultrasonic imaging and therapy. (ID: 570) [[Full Paper PDF](#)] [[Abstract](#)]

Eric Herbert, Mathieu Pernot (, **), Benoit Larrat, Gabriel Montaldo, Mickaël Tanter, Mathias Fink*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0211; pp.875-878.

3I. Polymers for Transducers:

Chair: K. Kirk Shung, *University of Southern California, CA, USA.*

Time: Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon); **Room:** 305A/B/C.

10:30-
10:45.

3I-1. Customizable Field Airborne Ultrasonic Transducers based on Electromechanical Film. (ID: 1034) [[Full Paper PDF](#)] [[Abstract](#)]

Joao Ealo (, **), Fernando Seco, Carlos Prieto, Antonio Jiménez, Javier Roa, Aikaterini Koutsou, Jorge Guevara*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0212; pp.879-882.

10:45-
11:00.

3I-2. Low-acoustic attenuation and high-mechanical strength silicone rubber lens doped with ZnO nano-powder for medical array probe. (ID: 177) [[Full Paper PDF](#)] [[Abstract](#)]

*Yohachi (John) Yamashita (**), Yasuharu Hosono, Noriko Yamamoto, Kazuhiro Itsumi, Yasuhisa Makita, Takashi Takeuchi, Koichi Shibamoto, Minoru Aoki, Hiroyuki Shikata*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0213; pp.883-886.

11:00-
11:15.

3I-3. Optoacoustic sensor based on self-assembled arrays of polystyrene microspheres. (ID: 987) [[Full Paper PDF](#)] [[Abstract](#)]

Xinqing Guo (), Matthew Churgin, Takashi Buma (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0214; pp.887-890.

11:15-
11:30.

3I-4. A Fabrication Procedure for Airborne Ultrasonic Phased Arrays Based on Cellular Electromechanical Film. (ID: 454) [[Full Paper PDF](#)] [[Abstract](#)]

*Joao Ealo (**), Jorge Camacho, Carlos Fritsch, Fernando Seco, Javier Roa*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0215; pp.891-894.

4I. BAW Materials & Devices:

Chair: Gernot Fattinger, *SAWTEK, USA.*

Time: Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 2A.

10:30-
10:45.

4I-1. Thermally stable oscillator at 2.5 GHz using compensated BAW resonator and its integrated temperature sensor. (ID: 607) [[Full Paper PDF](#)] [[Abstract](#)]

David Petit (, **), Etienne César, Pierre Bar, Sylvain Joblot, Guy Parat, Olivier Berchaud, Daniel Barbier, Jean-François Carpentier*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0216; pp.895-898.

10:45-
11:00.

4I-2. A UMTS-900 FBAR Duplexer. (ID: 494) [[Full Paper PDF](#)] [[Abstract](#)]

Kun Wang (, **), Doug Clark, Lovell H Camnitz, Paul Bradley*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0217; pp.899-902.

11:00-11:15. **4I-3. Advanced Determination of Piezoelectric Properties of AlN Thin Films on Silicon Substrates.** (ID: 250) [[Full Paper PDF](#)] [[Abstract](#)]
*jose-luis sanchez-rojas (**), Jorge Hernando, Abdallah Ababneh, Ulrich Schmid, Jimena Olivares, Marta Clement, Enrique Iborra*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0218; pp.903-906.

11:15-11:30. **4I-4. Growth study of AlN on amorphous films with defined roughness.** (ID: 534) [[Full Paper PDF](#)] [[Abstract](#)]
*Alvaro Artieda (**), Paul Murali*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0219; pp.907-911.

5I. Wave Propagation:

Chair: Massimo Pappalardo, *University di Roma TRE, Italy.*

Time: Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 2B.

11:15-11:30. **5I-3. Guided Waves in Cylindrical Multi-layered Medium.** (ID: 818) [[Full Paper PDF](#)] [[Abstract](#)]
*Hanyin Cui (**), Bixing Zhang*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0220; pp.912-915.

11:30-11:45. **5I-4. Plunging of metal pins using a 20 kHz ultrasonic vibration system.** (ID: 397) [[Full Paper PDF](#)] [[Abstract](#)]
Jiromaru Tsujino (, **), Tetsugi Ueoka, Toshiya Sakurai, Yuuki Haraguchi, Eiichi Sugimoto*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0221; pp.916-919.

11:45-12:00. **5I-5. Development of temperature stable acoustic line based on piezoelectric plate and nanocomposite polymeric film.** (ID: 287) [[Full Paper PDF](#)] [[Abstract](#)]
Iren Kuznetsova (, **), Boris Zaitsev, Anastasia Kuznetsova, Alexander Shikhabudinov, Vladimir Kolesov, Nadezhda Petrova*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0222; pp.920-923.

6I. Ultrasonic MEMS:

Chair: Amit Lal, *Cornell University, USA.*

Time: Wednesday, November 5, 2008 (10:30 a.m. - 12:00 noon); **Room:** Hall 2C.

10:30-11:00. **6I-1. Piezoelectric MEMS for Audio Signal Transduction, Microfluidic Management, Resonant Mass Sensing, and Movable Surface Micromachined Structures.** (Invited) (ID: 647) [[Full Paper PDF](#)] [[Abstract](#)]
*Eun Kim (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0223; pp.924-929.

11:00-11:15. **6I-2. Concentration and mixing of particles in microdrops driven by focused surface acoustic waves.** (ID: 1069) [[Full Paper PDF](#)] [[Abstract](#)]
James Friend (, **), Leslie Yeo, Ming Tan, Richard Shilton*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0224; pp.930-933.

11:15-11:30. **6I-3. Theoretical study of acoustic streaming induced cooling effect in the microscale.** (ID: 777) [[Full Paper PDF](#)] [[Abstract](#)]

Hang Guo (, **), Hongming Sun*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0225; pp.934-937.

11:30-11:45. **6I-4. Electric power generation using a vibration of a polyurea piezoelectric thin film.** (ID: 313) [[Full Paper PDF](#)] [[Abstract](#)]

Daisuke Koyama (, **), Kentaro Nakamura*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0226; pp.938-941.

11:45-12:00. **6I-5. Experimental investigations on the collapse of cavity cluster in high power ultrasound fields.** (ID: 45) [[Full Paper PDF](#)] [[Abstract](#)]

Lixin Bai (), Weilin Xu (**), Yichi Zhang, Yanfu Li, Defa Huang*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0227; pp.942-945.

Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.):

1J. Cardiovascular Elastography:

Chair: Jan D'hooge, *Catholic University of Leuven, Belgium.*

Time: Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 3.

13:30-13:45. **1J-1. Non-Invasive Quantitative Imaging of arterial wall elasticity using Supersonic Shear Imaging.** (ID: 555) [[Full Paper PDF](#)] [[Abstract](#)]

Mathieu Couade, Mathieu Pernot (, **), Mickaël Tanter, Claire Prada, Emmanuel Messas, Mathias Fink*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0228; pp.946-949.

13:45-14:00. **1J-2. BiPlane Cardiac Strain Imaging: A Study on Valvular Aortic Stenosis.** (ID: 227) [[Full Paper PDF](#)] [[Abstract](#)]

Richard G.P. Lopata (, **), Maartje M. Nillesen, Inge H. Gerrits, Livia Kapusta, Johan M. Thijssen, Chris L. de Korte*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0229; pp.950-953.

14:15-14:30. **1J-4. Fundamental Performance Assessment of 2-D Myocardial Elastography in a Phased Array Configuration.** (ID: 621) [[Full Paper PDF](#)] [[Abstract](#)]

*Jianwen Luo (**), Wei-Ning Lee, Elisa Konofagou*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0230; pp.954-957.

14:30-14:45. **1J-5. 2D Speckle Tracking vs DTI-derived Elasticity Imaging on an Isolated Rabbit Heart.** (ID: 966) [[Full Paper PDF](#)] [[Abstract](#)]

Congxian Jia (, **), Ragnar Olafsson, Kang Kim, Theodore J Kolias, Jonathan M Rubin, Hua Xie, Matthew O'Donnell*


Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0231; pp.958-961.

- 14:45-15:00. **1J-6. In Vivo Validation of 2D Myocardial Elastography at Variable Levels of Ischemia.** (ID: 1039) [[Full Paper PDF](#)] [[Abstract](#)]
Wei-Ning Lee (), Jean Provost, Shougang Wang, Kana Fujikura, Jie Wang, Elisa E. Konofagou (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0232; pp.962-965.

2J. Beam Forming Algorithms and Strategies:

Chair: Kai Thomenius, *GE Global Research, USA.*

Time: Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** 201A/B/C.

- 13:45-14:00. **2J-2. Synthetic Aperture Sequential Beamforming.** (ID: 13) [[Full Paper PDF](#)] [[Abstract](#)]
*Jacob Kortbek (**), Jørgen Arendt Jensen, Kim Løkke Gammelmark*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0233; pp.966-969.
- 14:15-14:30. **2J-4. Rocking Convex Array used for 3D Synthetic Aperture Focusing.** (ID: 225) [[Full Paper PDF](#)] [[Abstract](#)]
Henrik Andresen (, **), Svetoslav Nikolov Ivanov, Mads Møller Pedersen, Daniel Buckton, Jørgen Arendt Jensen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0234; pp.970-973.
- 14:30-14:45. **2J-5. Effects of Data Density of Echo Fourier Domain on Quality of High Frame Rate Imaging.** (ID: 3) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia_Zipped](#) (2.6 MB)] 
Jian-yu Lu (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0235; pp.974-977.
- 14:45-15:00. **2J-6. The effect of cross-correlation method on the dual apodization with cross-correlation algorithm.** (ID: 657) [[Full Paper PDF](#)] [[Abstract](#)]
Chi Hyung Seo (, **), Jesse T. Yen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0236; pp.978-981.

3J. Microbubbles: Theory and Characterization:

Chair: Ayache Bouakaz, *INSERM, Université Tours, France.*

Time: Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** 305A/B/C.

- 13:30-13:45. **3J-1. Oscillation of single microbubbles at room versus body temperature.** (ID: 276) [[Full Paper PDF](#)] [[Abstract](#)]
*Hendrik Vos (**), Marcia Emmer (*), Nico De Jong*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0237; pp.982-984.
- 14:00-14:15. **3J-3. A 3D FEA Model for transient analysis of microbubble behavior.** (ID: 788) [[Full Paper PDF](#)] [[Abstract](#)]
Abhay Vijay Patil (, **), Paul Reynolds, David Milner, John A. Hossack*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0238; pp.985-988.
- 14:15-14:30. **3J-4. Spectral and Temporal Signal Modifications Occuring Between Stable and Transient Inertial Cavitation.** (ID: 272) [[Full Paper PDF](#)] [[Abstract](#)]

Mathieu Santin (, **), Alexander Haak, Lori Bridal, William D. O'Brien*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0239; pp.989-992.

14:30-14:45. **3J-5. Statistical Corrections for the Precise Estimation of Cyanoacrylate Microbubble Concentration in Targeted Imaging.** (ID: 798) [[Full Paper PDF](#)] [[Abstract](#)]
*Monica Siepmann (**), Moritz Palmowski, Fabian Kiessling, Georg Schmitz*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0240; pp.993-996.

14:45-15:00. **3J-6. Nano-interrogation of a lipid shelled microbubble.** (ID: 375) [[Full Paper PDF](#)] [[Abstract](#)]
Vassilis Sboros (, **), Emmanuil Glynos, Nikos Pelekasis, Vasileios Koutsos*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0241; pp.997-998.

4J. Multilayer SAW Propagation:

Chair: Mauricio Pereira da Cunha, *University of Maine, ME, USA.*

Time: Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 2A.

13:30-14:00. **4J-1. Piezoelectric Boundary Acoustic Waves: Their Underlying Physics and Applications.**
(Invited) (ID: 21) [[Full Paper PDF](#)] [[Abstract](#)]
*Ken-ya Hashimoto (**), Yiliu Wang, Tatsuya Omori, Masatsune Yamaguchi, Michio Kadota, Hajime Kando, Teruhisa Shibahara*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0242; pp.999-1005.

14:15-14:30. **4J-3. Temperature Compensation of Longitudinal Leaky SAW waves with Silicon Dioxide Overlay.** (ID: 644) [[Full Paper PDF](#)] [[Abstract](#)]
*Mihir Patel (**), Kushal Bhattacharjee (*), Jason Reed, Sergei Zhgoon*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0243; pp.1006-1009.

14:30-14:45. **4J-4. Study on SAW Characteristics of Amorphous-TeO₂/36°Y-X LiTaO₃ Substrates** & [deg]&[deg]&[deg]&[deg]&[deg]&[deg]&[deg]. (ID: 1169) [[Full Paper PDF](#)] [[Abstract](#)]
Xun Gong (, **), Xiaoli Shang, De Zhang*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0244; pp.1011-1012.

14:45-15:00. **4J-5. Optimal cut of lithium niobate with suppressed Rayleigh-type mode for application in resonator SAW filter.** (ID: 49) [[Full Paper PDF](#)] [[Abstract](#)]
Natalya Naumenko (), Ben Abbott (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0245; pp.1013-1017.

5J. Liquid and Gas Sensing:

Chair: Mario Kupnik, *Stanford University, USA.*

Time: Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 2B.

13:30-13:45. **5J-1. Inductively coupled sensing using a quartz crystal microbalance.** (ID: 954) [[Full Paper PDF](#)] [[Abstract](#)]
David Greve (, **), Wei Wu, Irving Oppenheim*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0246; pp.1018-1021.

13:45-14:00. **5J-2. Frequency response of a micromachined doubly-clamped vibrating beam for the measurement of liquid properties.** (ID: 46) [[Full Paper PDF](#)] [[Abstract](#)]

*Christian Riesch (**), Erwin K. Reichel, Franz Keplinger, Bernhard Jakoby*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0247; pp.1022-1025.

14:15-14:30. **5J-4. Clamp-on Ultrasonic Transducers with Improved Dynamics for Flow Measuring Applications.** (ID: 61) [[Full Paper PDF](#)] [[Abstract](#)]

*VAKIF HAMIDULLIN (**), ROMAN MALAKHANOV, KIRIL DEGTEREV, DMITRIY KRYISIN*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0248; pp.1026-1029.

14:30-14:45. **5J-5. 2-Step Surface Modification Technology for Acoustic Chemical Sensor Arrays based on CMUTs.** (ID: 714) [[Full Paper PDF](#)] [[Abstract](#)]

*Yingchun Li (**), Ralf Lucklum, Peter Hauptmann*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0249; pp.1030-1033.

14:45-15:00. **5J-6. A design of high-sensitivity micromachined capacitive ultrasonic mass resonators.** (ID: 761) [[Full Paper PDF](#)] [[Abstract](#)]

Li-Feng Ge (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0250; pp.1034-1037.

6J. Energy Harvesting & Magnetoelectrics:

Chair: Mark Schafer, *Sonic Tech, PA, USA.*

Time: Wednesday, November 5, 2008 (1:30 p.m. - 3:00 p.m.); **Room:** Hall 2C.

13:30-13:45. **6J-1. A Magnetoelectric Transducer Consisting of Magnetostrictive and Piezoelectric Composite Array.** (ID: 671) [[Full Paper PDF](#)] [[Abstract](#)]

Ping Li (, **), Yumei Wen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0251; pp.1038-1041.

13:45-14:00. **6J-2. Magnetoelectric Transducer of Ferromagnetic Alloy with Constant Elasticity and Piezoelectric Ceramic for Wireless Power Transmission.** (ID: 729) [[Full Paper PDF](#)] [[Abstract](#)]

Leixiang Bian, Yumei Wen (, **), Ping Li, Qiuling Gao*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0252; pp.1042-1045.

14:00-14:30. **6J-3. The Physical Acoustics of Energy Harvesting.** (*Invited*) (ID: 90) [[Full Paper PDF](#)] [[Abstract](#)]

Stewart Sherrit (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0253; pp.1046-1055.

Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.):

1K. Vector Velocity Imaging:

Created: July 6, 2009

Q.42.

Jian-yu Lu, Ph.D., General Chair and Web Master

Chair: Hans Torp, *Norwegian University of Science and Technology, Norway.*

Time: Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 3.

- 16:30-16:45. **1K-1. Automatic Angle Tracking Method for Dual-Beam Vector Doppler Applications.** (ID: 80) [[Full Paper PDF](#)] [[Abstract](#)]
Piero Tortoli (, **), Alessandro Dallai, Enrico Boni, Luca Bassi, Lorenzo Francalanci, Stefano Ricci*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0254; pp.1056-1059.
- 16:45-17:00. **1K-2. In-vivo evaluation of three ultrasound vector velocity techniques with MR phase contrast angiography.** (ID: 355) [[Full Paper PDF](#)] [[Abstract](#)]
Kristoffer L. Hansen (, **), Jesper Udesen, Niels Oddershede, Lasse Henze, Carsten Thomsen, Jørgen A. Jensen, Michael B. Nielsen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0255; pp.1060-1063.
- 17:00-17:15. **1K-3. Double-Beam Diffraction-Grating Transducers for Improved Blood Flow Measurement.** (ID: 113) [[Full Paper PDF](#)] [[Abstract](#)]
David Vilkomerson (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0256; pp.1064-1067.
- 17:15-17:30. **1K-4. Fast Blood Vector Velocity Imaging using ultrasound: In vivo examples of complex blood flow in the vascular system.** (ID: 622) [[Full Paper PDF](#)] [[Abstract](#)]
*Kristoffer Lindskov Hansen (**), Jesper Udesen, Fredrik Gran, Jørgen Arendt Jensen, Michael Bachman Nielsen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0257; pp.1068-1071.

2K. Adaptive Beam Forming:

Chair: Sverre Holm, *University of Oslo, Norway.*

Time: Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** 201A/B/C.

- 16:30-16:45. **2K-1. Sensitivity of Minimum Variance Beamforming to Tissue Aberrations.** (ID: 371) [[Full Paper PDF](#)] [[Abstract](#)]
*Andreas Austeng (**), Tore Bjastad, Johan-Fredrik Synnevaag, Svein-Erik Masoy, Hans Torp, Sverre Holm (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0258; pp.1072-1075.
- 16:45-17:00. **2K-2. Adaptive Imaging Using Principal-Component-Synthesized Aperture Data.** (ID: 942) [[Full Paper PDF](#)] [[Abstract](#)]
Meng-Lin Li (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0259; pp.1076-1079.
- 17:00-17:15. **2K-3. Investigation of Sound Speed Errors in Adaptive Beamforming.** (ID: 302) [[Full Paper PDF](#)] [[Abstract](#)]
Iben Kraglund Holfort (, **), Fredrik Gran, Joergen Arendt Jensen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0260; pp.1080-1083.

17:15- **2K-4. Low-Complexity Data-Dependent Beamforming.** (ID: 510) [[Full Paper PDF](#)]
17:30. [[Abstract](#)]

*Johan-Fredrik Synnevåg (**), Sverre Holm, Andreas Austeng*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0261; pp.1084-1087.

17:45- **2K-6. Adaptive beamforming for photoacoustic imaging using linear array transducer.**
18:00. (ID: 255) [[Full Paper PDF](#)] [[Abstract](#)]

SUHYUN PARK, ANDREI KARPIOUK, SALAVAT AGLYAMOV, STANISLAV EMELIANOV (, **)*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0262; pp.1088-1091.

3K. Contrast Agent Imaging: Methods and Applications:

Chair: Nico de Jong, *Erasmus Medical Centre and University of Twente, The Netherlands.*

Time: Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** 305A/B/C.

16:30- **3K-1. Acoustic Characterisation of Individual Targeted Microbubbles with High-**
16:45. **Frequency Ultrasound.** (ID: 991) [[Full Paper PDF](#)] [[Abstract](#)]

Michael R. Sprague (, **), David E. Goertz, Emmanuel Chérin, Raffi Karshafian, F. Stuart Foster*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0263; pp.1092-1095.

16:45- **3K-2. In vitro measurement of ambient pressure changes using a realistic clinical setup.**
17:00. (ID: 376) [[Full Paper PDF](#)] [[Abstract](#)]

Klaus Scheldrup Andersen (, **), Jørgen Arendt Jensen*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0264; pp.1096-1099.

17:00- **3K-3. Enhancement of static bubble signal in large vessels using composite dual frequency**
17:15. **pulses.** (ID: 237) [[Full Paper PDF](#)] [[Abstract](#)]

*Abhay Vijay Patil (**), Joshua J Rychak, Alexander L. Klibanov, John A. Hossack*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0265; pp.1100-1103.

17:30- **3K-5. Tissue harmonics cancellation using time-reversal.** (ID: 523) [[Full Paper PDF](#)]
17:45. [[Abstract](#)]

Olivier Couture (, **), Jean-François Aubry, Gabriel Montaldo, Mickael Tanter, Mathias Fink*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0266; pp.1104-1107.

17:45- **3K-6. Nonlinear contrast imaging with Capacitive Micromachined Transducers.** (ID: 778)
18:00. [[Full Paper PDF](#)] [[Abstract](#)]

*Anthony Novell (**), Mathieu Legros, Nicolas Félix, Ayache Bouakaz*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0267; pp.1108-1111.

5K. Acoustic Wave Sensors:

Chair: Pierre Khuri-Yakub, *Stanford University, CA, USA.*

Time: Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 2B.

16:30- **5K-1. SAW Wireless, Passive Sensor Spread Spectrum Platforms.** (ID: 1167) [[Full Paper](#)

- 16:45. [PDF](#) [\[Abstract\]](#)
John Pavlina, Bianca Santos, Nick Kozlovski, Donald Malocha (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0268; pp.1112-1115.
- 16:45-17:00. **5K-2. Wireless Sensor System Based on SAW Coded Passive Devices for Multiple Access.** (ID: 624) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Evan Dudzik, Ali Abedi, Donald Hummels, Mauricio Pereira da Cunha (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0269; pp.1116-1119.
- 17:00-17:15. **5K-3. A study of Love wave sensors with SU8 guiding layer.** (ID: 977) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
*Jie Zhao, Cheng Jiang, Ye Chen, Honglang Li (**), Shitang He*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0270; pp.1120-1123.
- 17:15-17:30. **5K-4. Application of Lithium Niobate Etch Stop Technology to SAW Pressure Sensors.** (ID: 398) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Andrew Randles (, **), Jan Kuypers, Masayoshi Esashi, Shuji Tanaka*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0271; pp.1124-1127.
- 17:45-18:00. **5K-6. ELECTRICALLY ISOLATED THICKNESS SHEAR MODE LIQUID PHASE SENSOR FOR HIGH PRESSURE ENVIRONMENTS.** (ID: 306) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Jeffrey Andle (, **), Reichl Haskell, Maly Chap*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0272; pp.1128-1133.

6K. Medical Arrays:

Chair: L. Scott Smith, *GE Global Research, USA.*

Time: Wednesday, November 5, 2008 (4:30 p.m. - 6:00 p.m.); **Room:** Hall 2C.

- 16:30-16:45. **6K-1. Comprehensive Design Considerations for 2D Matrix Arrays.** (ID: 656) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Xuan-ming Lu (, **)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0273; pp.1134-1137.
- 17:00-17:15. **6K-3. A PZT-P[VDF-TrFE] dual-layer transducer for 3-D imaging.** (ID: 796) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Jesse Yen (, **), Chi Hyung Seo, Samer Awad, Jong Jeong*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0274; pp.1138-1141.
- 17:15-17:30. **6K-4. Piezocomposite and CMUT Arrays Assessment Through In Vitro Imaging Performances.** (ID: 579) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
*Mathieu Legros (**), Cyril Meynier, Rémi Dufait, Guillaume Férin, François Tranquart*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0275; pp.1142-1145.
- 17:30-17:45. **6K-5. Recent results using a 256×256 2-D array transducer for 3-D Rectilinear Imaging.** (ID: 660) [\[Full Paper PDF\]](#) [\[Abstract\]](#)
Chi Hyung Seo (, **), Jesse T. Yen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0276; pp.1146-1149.

POSTER SESSIONS:

Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.):

PS. Student Competition Finalists: (also see the link "[Competition Finalists](#)").

Chair: None.

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 2nd Floor Foyer.

Poster: **PS001-01. Design of Catheter for Combined Intravascular Photoacoustic and Ultrasound Imaging.** (ID: 309) [[Full Paper PDF](#)] [[Abstract](#)]

*Bo Wang (**), Andrei Karpiouk, Stanislav Emelianov*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0277; pp.1150-1153.

Poster: **PS002-02. Intra-Vascular Ultrasound Mediated Delivery of DNA Via Microbubble Carriers to an Injured Porcine Artery *In vivo*.** (ID: 1094) [[Full Paper PDF](#)] [[Abstract](#)]

Linsey C. Phillips (, **), Alexander L. Klibanov, Doug K. Bowles, Brian R. Wamhoff, John A. Hossack*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0278; pp.1154-1157.

Poster: **PS003-03. Quantitative Bladder Volume Assessment on the Basis of Nonlinear Wave Propagation.** (ID: 291) [[Full Paper PDF](#)] [[Abstract](#)]

Egon J.W. Merks (, **), Nicolaas Bom, Nico de Jong, Antonius F.W. van der Steen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0279; pp.1158-1162.

Poster: **PS004-04. Microbubble dynamics in microvessels: Observations of microvessel dilation, invagination and rupture.** (ID: 609) [[Full Paper PDF](#)] [[Abstract](#)]

Hong Chen (), Andrew A. Brayman, Thomas J. Matula (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0280; pp.1163-1166.

Poster: **PS005-05. Non-invasive thrombolysis induced by histotripsy pulsed cavitation ultrasound therapy.** (ID: 68) [[Full Paper PDF](#)] [[Abstract](#)]

Adam Maxwell (, **), Charles Cain, Hitinder Gurm, J. Brian Fowlkes, Zhen Xu*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0281; pp.1167-1170.

Poster: **PS006-06. Reaching the optimal focusing and steering capabilities of transcranial HIFU arrays based on time reversal of acoustically induced cavitation bubble signature.** (ID: 248) [[Full Paper PDF](#)] [[Abstract](#)]

Jerome GATEAU (, **), Laurent MARSAC, Mathieu PERNOT, Jean-Francois AUBRY, Mickael TANTER, Mathias FINK*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0282; pp.1171-1174.

Poster: **PS007-07. High Frame Rate Adaptive Imaging Using Coherence Factor Weighting and the MVDR Method.** (ID: 1083) [[Full Paper PDF](#)] [[Abstract](#)]

Shun-Li Wang (*), *Pai-Chi Li* (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0283; pp.1175-1178.

Poster: PS008-08. Quantification of Valvular Regurgitation Area and Geometry using 3D HPRF Doppler. (ID: 1040) [[Full Paper PDF](#)] [[Abstract](#)]

Torbjørn Hergum (*, **), *Thomas Renhult Skaug*, *Knut Matre*, *Hans Torp*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0284; pp.1179-1182.

Poster: PS009-09. Image-Guided Refocusing of Dual-Mode Ultrasound Arrays(DMUAs). (ID: 384) [[Full Paper PDF](#)] [[Abstract](#)]

John Ballard (*), *Andrew Casper*, *Emad Ebbini* (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0285; pp.1183-1186.

Poster: PS010-10. The Detection of Chemical and Biological Analytes Using a Monolithic Spiral Coil Acoustic Transduction Sensor. (ID: 131) [[Full Paper PDF](#)] [[Abstract](#)]

Donald F McCann (**), *Mitchell Wark*, *Paul Millard*, *David Neivandt*, *John F Vetelino*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0286; pp.1187-1190.

Poster: PS011-11. Improving the Bandwidth of Air Coupled Capacitive Ultrasonic Transducers Using Selective Networks. (ID: 589) [[Full Paper PDF](#)] [[Abstract](#)]

Sean Mc Sweeney, *WMD Wright* (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0287; pp.1191-1194.

Poster: PS012-12. Dynamic focusing through arbitrary geometry interfaces. (ID: 154) [[Full Paper PDF](#)] [[Abstract](#)]

Montserrat Parrilla, *Jose Brizuela* (*), *Jorge Camacho* (**), *Alberto Ibañez*, *Patricia Nevado*, *Carlos Fritsch*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0288; pp.1195-1198.

Poster: PS013-13. Wireless Drive of a Piezoelectric Plate by Dipole Antenna. (ID: 72) [[Full Paper PDF](#)] [[Abstract](#)]

Satyanarayan Bhuyan (*), *Junhui Hu* (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0289; pp.1199-1202.

Poster: PS014-14. Towards thin film complete characterization using picosecond ultrasonics. (ID: 593) [[Full Paper PDF](#)] [[Abstract](#)]

Pierre-Adrien Mante (*), *Arnaud Devos* (**), *Jean-François Robillard*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0290; pp.1203-1206.

Poster: PS016-16. Temperature Compensation of Thin AlN Film Resonators utilizing the Lowest order Symmetric Lamb mode. (ID: 620) [[Full Paper PDF](#)] [[Abstract](#)]

Gunilla Wingqvist (**), *Lilia Arapan*, *Ventsislav Yantchev*, *Ilija Katardjiev*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0291; pp.1207-1210.

Poster: PS017-17. A Full-Wave Analysis of Surface Acoustic Waves Propagating on a SiO₂ Overlay/Metal Grating/Rotated YX-LiNbO₃ Substrate Structure. (ID: 217) [[Full Paper PDF](#)] [[Abstract](#)]

Yiliu Wang (**), *Ken-ya Hashimoto*, *Tatsuya Omori*, *Masatsune Yamaguchi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0292; pp.1211-1214.

Poster: **PS018-18. PMBAR - shear mode TFBAR based on (001)AlN thin film.** (ID: 522) [[Full Paper PDF](#)] [[Abstract](#)]

Evgeny Milyutin (), Paul Muralt (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0293; pp.1215-1217.

Poster: **PS019-19. Investigation of charge diffusion in CMUTs using optical interferometry.** (ID: 274) [[Full Paper PDF](#)] [[Abstract](#)]

Hanne Martinussen (), Astrid Aksnes, Helge E. Engan (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0294; pp.1218-1221.

Poster: **PS020-20. High-frequency Piezoelectric PZT Film Micromachined Ultrasonic Arrays.** (ID: 858) [[Full Paper PDF](#)] [[Abstract](#)]

Dawei Wu (, **), Qifa Zhou, Changgeng Liu, Frank Djuth, K Kirk Shung*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0295; pp.1222-1225.

Poster: **PS021-21. 1-D CMUT Imaging Arrays Fabricated Using a Novel Wafer Bonding Process.** (ID: 418) [[Full Paper PDF](#)] [[Abstract](#)]

Andrew Logan (, **), John Yeow*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0296; pp.1226-1229.

P1A. Photoacoustic Imaging:

Chair: Xueding Wang, *University of Michigan, MI, USA.*

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1A023-01. In Vivo Photoacoustic Micro-imaging of Microvascular Changes in Achilles Tendon of Mice.** (ID: 996) [[Full Paper PDF](#)] [[Abstract](#)]

*Po-Hsun Wang, Jer-Junn Luh, Meng-Lin Li (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0297; pp.1230-1233.

Poster: **P1A024-02. Experimental Evaluation of a High-Speed Photoacoustic Tomography System based on a Commercial Ultrasound Unit.** (ID: 850) [[Full Paper PDF](#)] [[Abstract](#)]

Xueding Wang (, **), Larry Mo, J Fowlkes, Paul Carson*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0298; pp.1234-1237.

Poster: **P1A025-03. Investigating Large 2D Arrays for Photoacoustic and Acoustic Imaging using CMUT Technology.** (ID: 1063) [[Full Paper PDF](#)] [[Abstract](#)]

Srikant Vaithilingam (, **), Te-Jen Ma, Yukio Furukawa, Omer Oralkan, Aya Kamaya,*

Kazutoshi Torashima, Mario Kupnik, Ira Wygant, Xuefeng Zhuang, R. Brooke Jeffrey Jr, Butrus T. Khuri-Yakub

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0299; pp.1238-1241.

Poster: **P1A026-04. Simulation Study of Photoacoustic Coded Excitation using Golay Codes.** (ID: 159) [[Full Paper PDF](#)] [[Abstract](#)]

*Martin P. Mienkina (**), Annika Eder, Claus-Stefan Friedrich, Nils C. Gerhardt, Martin R. Hofmann, Georg Schmitz*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0300; pp.1242-1245.

Poster: **P1A027-05. Photoacoustic measurement of optical-transport Green functions in turbid media using progressive optical-source-acoustic focus separations.** (ID: 803) [[Full Paper PDF](#)] [[Abstract](#)]

*Roger Zemp (**), Xuhui Chen, Huihong Lu, Yan Jiang, Kory Mathewson*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0301; pp.1246-1249.

P1B. Medical Beamforming:

Chair: John Hossack, *University of Virginia, USA.*

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1B028-01. A New Ultrasonic Synthetic Aperture Tissue Doppler Imaging System.** (ID: 728) [[Full Paper PDF](#)] [[Abstract](#)]

Moo-Ho Bae (, **), Han-Woo Lee, Sung Bae Park, Jeong-Ho Ham, Kyoung Bo Lee, Mok-Kun Jeong, Yung-Gil Kim*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0302; pp.1250-1253.

Poster: **P1B029-02. A Modified Synthetic Aperture Imaging Approach with Axial Motion Compensation.** (ID: 213) [[Full Paper PDF](#)] [[Abstract](#)]

Billy Y. S. Yiu (), Ivan K. H. Tsang, Alfred C. H. Yu (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0303; pp.1254-1257.

Poster: **P1B030-03. A New Ultrasonic Synthetic Aperture Tissue Harmonic Imaging System.** (ID: 697) [[Full Paper PDF](#)] [[Abstract](#)]

Moo-Ho Bae (, **), Han-Woo Lee, Sung Bae Park, Ra-Young Yoon, Min Hye Jeong, Deok Gon Kim, Mok-Kun Jeong, Yung-Gil Kim*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0304; pp.1258-1261.

Poster: **P1B031-04. Optimization of Beams with Nonspherical Extended Depths of Focus for Reconfigurable 2D Arrays.** (ID: 844) [[Full Paper PDF](#)] [[Abstract](#)]

Fong Ming Hooi (, **), Kai Thomenius, Rayette A. Fisher, Paul L. Carson*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0305; pp.1262-1265.

Poster: **P1B032-05. Design of a 64-channel Digital High Frequency Linear Array Ultrasound Imaging Beamformer on a Massively Parallel Processor Array Platform.** (ID: 612) [[Full Paper PDF](#)] [[Abstract](#)]

chang-hong Hu (, **), Ping Sun, Fan Zheng, Jonathan M. Cannata, K. Kirk Shung*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0306; pp.1266-1269.

Poster: **P1B033-06. Sigma-Delta Dynamic Receive Beamforming.** (ID: 167) [[Full Paper PDF](#)] [[Abstract](#)]

Donald Liu (, **), Daniel Brueske, Todd Willsie, Daft Chris*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0307; pp.1270-1273.

Poster: **P1B035-08. Ultrasound Breast Imaging Technique Using Two Opposing Array Transducers.** (ID: 699) [[Full Paper PDF](#)] [[Abstract](#)]

Mok Kun Jeong (, **), Sung Jae Kwon, Sung Min Cho, Moo Ho Bae, Young Gil Kim*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0308; pp.1274-1277.

Poster: P1B036-09. Evaluation of aberration parameters estimated from a low frequency transmission for medical acoustic imaging. (ID: 820) [[Full Paper PDF](#)] [[Abstract](#)]
*Hirofumi Taki (**), Tetsuya Matsuda, Toru Sato (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0309; pp.1278-1281.

Poster: P1B037-10. Abersim: a Simulation Program for 3D Nonlinear Acoustic Wave Propagation for Arbitrary Pulses and Arbitrary Transducer Geometries. (ID: 513) [[Full Paper PDF](#)] [[Abstract](#)]
Martijn Frijlink (, **), Halvard Kaupang, Trond Varslot, Svein-Erik Måsøy*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0310; pp.1282-1285.

Poster: P1B038-11. Determination of Temporal Bone Isoplanatic Patch Sizes for Transcranial Phase Aberration Correction. (ID: 400) [[Full Paper PDF](#)] [[Abstract](#)]
*Francois Vignon (**), William Shi, Michael Burcher, Jeffry Powers*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0311; pp.1286-1289.

P1C. Medical Imaging:

Chair: Olivier Basset, *CREATIS, Université Lyon I, France.*

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P1C039-01. Influence of the transducer geometry on the phase of the signal used for reducing second harmonic during ultrasound propagation. (ID: 520) [[Full Paper PDF](#)] [[Abstract](#)]
Mirza Pasovic, Olivier Basset (), Guillaume Matte, Antonius F.W. van der Steen, Nico de Jong, Christian Cachard (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0312; pp.1290-1293.

Poster: P1C040-02. Motion detection in ultrasound image-sequence using tensor voting. (ID: 492) [[Full Paper PDF](#)] [[Abstract](#)]
Shuqiang Guo (), Honghui Fan, Masafumi Inba, Yasutaka Tamura, Hirotaka Yanagida (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0313; pp.1294-1297.

Poster: P1C041-03. Two approaches for tomographic density imaging using inverse scattering. (ID: 813) [[Full Paper PDF](#)] [[Abstract](#)]
*Roberto J. Lavarello (**), Michael L. Oelze*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0314; pp.1298-1301.

Poster: P1C042-04. Spectroscopic Imaging of Nano-particle Distribution in Biological Tissue Using Optically Assisted Ultrasonic Velocity-Change Detection. (ID: 478) [[Full Paper PDF](#)] [[Abstract](#)]
Sunsuke Kawakami (), Naoki Nakamura, Takashi Mukaiyama, Satoshi Ishibashi, Kenji Wada, Tetsuya Matsuyama, Toshiyuki Matsunaka, Kenji Kono, Hiromichi Horinaka (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0315; pp.1302-1305.

- Poster:* **P1C043-05. Attenuation Measurements for Ultrasonic Breast Imaging: Comparisons of Three Approaches.** (ID: 1130) [[Full Paper PDF](#)] [[Abstract](#)]
Chen-Han Chang (), Sheng-Wen Huang, Pai-Chi Li (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0316; pp.1306-1309.
- Poster:* **P1C044-06. Comparison of regularization methods for 2D myocardial strain estimation in the mouse.** (ID: 586) [[Full Paper PDF](#)] [[Abstract](#)]
*Florence Kremer (**), Hon Fai Choi, Stian Langeland, Emiliano D'Agostino, Piet Claus, Jan D'hooge*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0317; pp.1310-1313.
- Poster:* **P1C045-07. Feasibility of non-linear simulation for Field II using an angular spectrum approach.** (ID: 344) [[Full Paper PDF](#)] [[Abstract](#)]
*Yigang Du (**), Jørgen Arendt Jensen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0318; pp.1314-1317.
- Poster:* **P1C046-08. Comparison of the performance of different tools for fast simulation of ultrasound data.** (ID: 928) [[Full Paper PDF](#)] [[Abstract](#)]
Hang Gao (), Torbjorn Hergum, Hans Torp, Jan D'hooge (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0319; pp.1318-1321.
- Poster:* **P1C047-09. Estimating Frequency Dependent Attenuation to Improve Automatic Time Gain Compensation in B-mode Imaging.** (ID: 1127) [[Full Paper PDF](#)] [[Abstract](#)]
*Sten Roar Snare, Hans Torp (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0320; pp.1322-1325.
- Poster:* **P1C048-10. Analysis of the Difference-frequency Wave Generated by the Interaction of Two Axisymmetric and Co-focused Ultrasound Beams.** (ID: 933) [[Full Paper PDF](#)] [[Abstract](#)]
*Glauber Silva (**), Farid Mitri, Mostafa Fatemi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0321; pp.1326-1329.
- Poster:* **P1C049-11. Image-based ECG Sampling of IVUS Sequences.** (ID: 365) [[Full Paper PDF](#)] [[Abstract](#)]
Aura Hernández-Sabaté (, **), David Rotger, Debora Gil*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0322; pp.1330-1333.
- Poster:* **P1C050-12. Optimum design of echogenic needles for ultrasound guided nerve block.** (ID: 127) [[Full Paper PDF](#)] [[Abstract](#)]
Yun Jing (, **), Robert Bocala, Assad Oberai, Paul Bigeleisen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0323; pp.1334-1337.
- Poster:* **P1C051-13. Parametric Imaging of Blood Perfusion with Low-Cost Diagnostic Ultrasound Equipment.** (ID: 211) [[Full Paper PDF](#)] [[Abstract](#)]
*Xiaolin Gu, Hui Zhong, Mingxi Wan (**), Xiaowen Hu, Dan Lv, Liang Shen, Xiaomei Zhang*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0324; pp.1338-1341.
- Poster:* **P1C052-14. Compact Ultrasound Scanner with Simultaneous Parallel Channel Data**

Acquisition Capabilities. (ID: 645) [[Full Paper PDF](#)] [[Abstract](#)]

Larry Mo (*, **), Derek DeBusschere, Glen McLaughlin, Xueding Wang, J. Brian Fowlkes, Paul Carson, Dave Napolitano, Wenli Bai, Ken Fowkes, Andrew Irish
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0325; pp.1342-1345.

Poster: **P1C053-15. A Mobile Medical Device for Point-of-Care Applications.** (ID: 1138) [[Full Paper PDF](#)] [[Abstract](#)]

Seung-wook Yang, Hee-chul Yoon (**), Jeong Cho, Sang-bum Kye, Tai-kyong Song
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0326; pp.1346-1349.

Poster: **P1C054-16. Interactive Training System for Medical Ultrasound.** (ID: 249) [[Full Paper PDF](#)] [[Abstract](#)]

Christian Banker (*, **), Peder Pedersen, Thomas Szabo
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0327; pp.1350-1354.

Poster: **P1C055-17. Phase Corrected Scattering Integral and the acoustic field in biomedical tissue with speed of sound and density variations.** (ID: 312) [[Full Paper PDF](#)] [[Abstract](#)]

Rosemary Thompson (*, **), Wayne Padden, Charlie Macaskill
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0328; pp.1355-1358.

Poster: **P1C056-18. Transcranial Shear-Mode Ultrasound Imaging: Characterization of Point Spread Function and Assessment of Excitation Techniques.** (ID: 587) [[Full Paper PDF](#)] [[Abstract](#)]

Ali Yousefi (**), Kullervo Hynynen (*)
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0329; pp.1359-1362.

Poster: **P1C057-19. An Intraoperative Transcranial Ultrasound Monitor (ITUM): Preliminary Results with Human Subjects.** (ID: 404) [[Full Paper PDF](#)] [[Abstract](#)]

Phillip Jason White (*, **), Stephen Whalen, Sai Chun Tang, Greg T. Clement, Ferenc A. Jolesz, Alexandra J. Golby
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0330; pp.1363-1365.

P1D. Medical Signal Processing:

Chair: Svetoslav Nikolov, Technical University of Denmark, Denmark.

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1D059-01. Range Measurement using Ultrasound FMCW Signals.** (ID: 95) [[Full Paper PDF](#)] [[Abstract](#)]

Masanori Kunita (*), Masamitsu Sudo (**), Takashi Mochizuki
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0331; pp.1366-1369.

Poster: **P1D060-02. Three-dimensional segmentation of high-frequency ultrasound echo signals from dissected lymph nodes.** (ID: 281) [[Full Paper PDF](#)] [[Abstract](#)]

Alain Coron (**), Jonathan Mamou (*), Masaki Hata, Junji Machi, Eugene Yanagihara, Pascal Laugier, Ernest J. Feleppa
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0332; pp.1370-1373.

Poster: **P1D061-03. Spectral analysis of ultrasound rf image data to monitor cavitation and thermal bubble formation in HIFU treatment.** (ID: 468) [[Full Paper PDF](#)] [[Abstract](#)]
Chang-yu Hsieh (), Penny Smith (**), Guoliang Ye*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0333; pp.1374-1377.

Poster: **P1D062-04. A Correction Scheme for Refraction and Time-of-Flight Artifacts in Limited-Angle Spatial Compound Imaging with High-Frequency Ultrasound.** (ID: 515) [[Full Paper PDF](#)] [[Abstract](#)]
Joern Opretzka (, **), Michael Vogt, Helmut Ermert*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0334; pp.1378-1381.

Poster: **P1D063-05. Statistical spectral analysis for echo signals from microbubbles and solid spheres.** (ID: 613) [[Full Paper PDF](#)] [[Abstract](#)]
Yan Yan (, **), James Hopgood, Robin Steel, Vassilis Sboros*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0335; pp.1382-1385.

Poster: **P1D064-06. Pulse wave velocity in the Carotid artery.** (ID: 636) [[Full Paper PDF](#)] [[Abstract](#)]
Gertrud Laura Sørensen, Julie Brinck Jensen, Jesper Udesen (, **), Iben Kraglund Holfort, Jørgen Arendt Jensen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0336; pp.1386-1389.

Poster: **P1D065-07. Semi-Implicit Scheme based Nonlinear Diffusion Method in Ultrasound Speckle Reduction.** (ID: 687) [[Full Paper PDF](#)] [[Abstract](#)]
Bo Wang (, **), Dong C. Liu*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0337; pp.1390-1393.

Poster: **P1D068-10. A new dynamic decimation filter using polyphase MACs for medical ultrasound imaging.** (ID: 1129) [[Full Paper PDF](#)] [[Abstract](#)]
Tae-Wan Kim, Choong Lee (), Jung-Jun Kim, Tai-Kyong Song (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0338; pp.1394-1396.

P1E. Transducer Modelling:

Chair: Levent Degertekin, Georgia Institute of Technology, GA, USA.

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1E069-01. Energy harvesting with piezoelectric cantilever transducer.** (ID: 10) [[Full Paper PDF](#)] [[Abstract](#)]
*Jiang-bo Yuan (**), Tao Xie, Wei-shan Chen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0339; pp.1397-1400.

Poster: **P1E070-02. Acoustic Waves in LiNbO₃/SiO₂/Water/Silicon Rubber Structures.** (ID: 244) [[Full Paper PDF](#)] [[Abstract](#)]
Alexander Darinskii, Manfred Weihnacht (), Hagen Schmidt (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0340; pp.1401-1404.

Poster: **P1E071-03. Optimal design of a wideband multi-mode ring transducer.** (ID: 1146) [[Full Paper PDF](#)] [[Abstract](#)]

Zhi Tian, Yongrae Roh (, **), Wonho Kim, Cheeyoung Joh*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0341; pp.1405-1408.

Poster: P1E072-04. A Theoretical Model of a New Electrostatic Transducer Incorporating Fluidic Amplification. (ID: 381) [[Full Paper PDF](#)] [[Abstract](#)]

Alan Walker, Anthony Mulholland (, **), Ewan Campbell, Gordon Hayward*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0342; pp.1409-1412.

Poster: P1E073-05. Finite Element Analysis of a Piezoelectric Acoustic Levitator. (ID: 387) [[Full Paper PDF](#)] [[Abstract](#)]

Marco Aurélio Brizzotti Andrade (, **), Flávio Buiochi, Julio Cesar Adamowski*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0343; pp.1413-1416.

Poster: P1E074-06. Testing of a one dimensional model for Field II calibration. (ID: 509) [[Full Paper PDF](#)] [[Abstract](#)]

*David Bæk (**), Jørgen Arendt Jensen, Morten Willatzen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0344; pp.1417-1420.

Poster: P1E075-07. Geometry Effect On Piezo-Composite Transducer With Triangular Pillars. (ID: 949) [[Full Paper PDF](#)] [[Abstract](#)]

Jianhua Yin (, **), Mike Lee, Jeremy Brown, Emmanuel Cherin, Stuart Foster*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0345; pp.1421-1424.

Poster: P1E076-08. Modelling of the Electro-Acoustic Behaviour in Integrated Piezoelectric Structures under External Mechanical Stress. (ID: 1165) [[Full Paper PDF](#)] [[Abstract](#)]

*Mickael Lematre (**), Pascal Tran, Guy Feuillard*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0346; pp.1425-1428.

P1F. Piezoelectric & Ferroelectric Materials:

Chair: Levent Degertekin, Georgia Institute of Technology, GA, USA.

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P1F079-02. Stable resonance characteristics in CuO-modified lead-free 0.94(K0.5Na0.5)NbO3-0.06LiNbO3 ceramics sintered at optimal temperature. (ID: 293) [[Full Paper PDF](#)] [[Abstract](#)]

*wan dandan , yang ying (**), li qian, Zhu Kongjun*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0347; pp.1429-1432.

Poster: P1F082-05. PIN-PMN-PT Single Crystal High Frequency Ultrasound Transducers for Medical Applications. (ID: 797) [[Full Paper PDF](#)] [[Abstract](#)]

Q.F. Zhou (, **), B.P. Zhu, D.W. Wu, C.H. Hu, J. M. Cannata, J. Tian, P. D. Han, K.K. Shung*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0348; pp.1433-1436.

P1G. Sonar Propagation and Detection:

Chair: Valery Proklov, IRE RAS, Russia.

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1G083-01. Simulation Model of Bottom Reverberation Signals for Horizontal Bistatic Receiving Array.** (ID: 239) [[Full Paper PDF](#)] [[Abstract](#)]

Zhang Minghui (**), Sun Hui, Chen Wenjian

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0349; pp.1437-1440.

Poster: **P1G085-03. The Investigation on Measuring the Coefficient of Sound Absorption at 20-60 kHz in Turbid Seawater.** (ID: 557) [[Full Paper PDF](#)] [[Abstract](#)]

Yongwei Liu (*), De jiang Shang, Qi Li, Fengyang Chi (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0350; pp.1441-1444.

Poster: **P1G086-04. A method for detecting of the target echo in reverberation noise.** (ID: 857)

[[Full Paper PDF](#)] [[Abstract](#)]

Chen Wenjian (*, **), Sun Hui, Zhu Jianjun, Zhu Guangping, Zhang Minghui

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0351; pp.1445-1448.

P1H. Ultrasonic Motor Applications:

Chair: Takefumi Kanda, Okayama University, Japan.

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1H087-01. Study of a Hollow Ultrasonic Rotary Motor.** (ID: 28) [[Full Paper PDF](#)]

[[Abstract](#)]

Jose Fernandez, Markus Flueckiger (**), Yves Perriard

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0352; pp.1449-1452.

Poster: **P1H088-02. Performance simulation of ultrasonic motors for compression cardiac assist.**

(ID: 499) [[Full Paper PDF](#)] [[Abstract](#)]

Ming Yang (**), Shiyang Li

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0353; pp.1453-1456.

Poster: **P1H089-03. Genetic Algorithm Optimization for a Surgical Ultrasonic Transducer.** (ID:

639) [[Full Paper PDF](#)] [[Abstract](#)]

Daniel Porto (*, **), Aurélien Bourquard, Yves Perriard

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0354; pp.1457-1460.

Poster: **P1H090-04. Rotation Phase Analysis of Surface Particle Motion of Coiled Waveguide caused by Flexural Ultrasound Wave.** (ID: 669) [[Full Paper PDF](#)] [[Abstract](#)]

Kohei Tomoda, Masataka Ishiguro (*), Masayuki Tanabe, Kan Okubo, Norio Tagawa (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0355; pp.1461-1464.

Poster: **P1H091-05. A tiny ultrasonic motor used in an OCT endoscope.** (ID: 904) [[Full Paper PDF](#)]

[[Abstract](#)]

TieYing Zhou, Yu Chen (*, **), Ping Xue, Tao Liu

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0356; pp.1465-1467.

P1I. Phononic Crystals II:

Chair: Jan Brown, *JB Consulting, MA, USA.*

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1I092-01. Finite Element Method for Analysis of Band Structures of Three Dimensional Phononic Crystals.** (ID: 191) [[Full Paper PDF](#)] [[Abstract](#)]

*Jianbao Li (**), Yuesheng Wang, Chuanzeng Zhang*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0357; pp.1468-1471.

Poster: **P1I093-02. Influence of heterogeneous external fields on propagation of bulk acoustic waves in crystals.** (ID: 332) [[Full Paper PDF](#)] [[Abstract](#)]

Boris Sorokin (), Aleksandr Marushyak (**), Kirill Aleksandrov*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0358; pp.1472-1475.

Poster: **P1I094-03. Essential Role of Material Parameters on the Band Gaps of Phononic Crystals.** (ID: 422) [[Full Paper PDF](#)] [[Abstract](#)]

*Xiaozhou Zhou, Yuesheng Wang, Chuanzeng Zhang (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0359; pp.1476-1479.

Poster: **P1I095-04. Study on band structures and localization phenomenon of 2D phononic crystals with 1D quasi-periodicity.** (ID: 506) [[Full Paper PDF](#)] [[Abstract](#)]

Ali Chen (), Yuesheng Wang (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0360; pp.1480-1483.

Poster: **P1I096-05. Research on two-dimensional phononic crystal with magnetorheological material.** (ID: 746) [[Full Paper PDF](#)] [[Abstract](#)]

Bin Wu, Ruiju Wei (, **), Cunfu He, Huanyu Zhao*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0361; pp.1484-1486.

Poster: **P1I097-06. Electromechanical coupling coefficient of semiconducting hexagonal crystal measured by Brillouin scattering.** (ID: 755) [[Full Paper PDF](#)] [[Abstract](#)]

Takahiko Yanagitani (, **), Taisuke Yoshida, Mami Matsukawa*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0362; pp.1487-1490.

Poster: **P1I099-08. Ultrasound Wave Propagation in Time-Varying Phononic Crystals.** (ID: 1051) [[Full Paper PDF](#)] [[Abstract](#)]

*Derek Wright (**), Alfred Yu, Richard Cobbold*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0363; pp.1491-1494.

P1J. NDE Signal Processing:

Chair: Jafar Saniie, *Illinois Institute of Technology, IL, USA.*

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1J100-01. Time of Flight Ultrasonic CT Based on ML-EM for Wooden Pillars.** (ID: 22) [[Full Paper PDF](#)] [[Abstract](#)]

Honghui Fan (), Shuqiang Guo, Yasutaka Tamura (**), Hirotaka Yanagida, Tatsuhisa Takahashi, Kazunari Adachi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0364; pp.1495-1498.

Poster: **P1J101-02. Analysis of Hilbert-Huang Transform for Ultrasonic Nondestructive Evaluation.** (ID: 464) [[Full Paper PDF](#)] [[Abstract](#)]

Yufeng Lu, Erdal Oruklu (, **), Jafar Saniie*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0365; pp.1499-1502.

Poster: **P1J102-03. An Efficient Sparse Signal Decomposition Technique for Ultrasonic Signal Analysis Using Envelope and Instantaneous Phase.** (ID: 1031) [[Full Paper PDF](#)] [[Abstract](#)]

Ramazan Demirli (), Jafar Saniie (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0366; pp.1503-1507.

Poster: **P1J103-04. Improved Support Vectors Machine for Signal Detection in non-Reverberation.** (ID: 310) [[Full Paper PDF](#)] [[Abstract](#)]

*ZHU Guang-ping (**), SUN Hui (*)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0367; pp.1508-1511.

P1K. NDE Applications:

Chair: Larry Kessler, Sonoscan, USA.

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1K104-01. Progress of Matching Network for Passive Remote Hybrid Sensor Based on SAW Resonator.** (ID: 168) [[Full Paper PDF](#)] [[Abstract](#)]


*Qiuyun Fu, Jianling Wang (**), Wei Luo, Dongxiang Zhou*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0368; pp.1512-1515.

Poster: **P1K105-02. NDE Using Laser Generated Ultrasound and Integrated Ultrasonic Transducer Receivers.** (ID: 634) [[Full Paper PDF](#)] [[Abstract](#)]

Cheng-Kuei Jen (, **), Kuo-Ting Wu, Makiko Kobayashi, Alain Blouin*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0369; pp.1516-1519.

Poster: **P1K107-04. Design method for large 2-D ultrasonic arrays with controlled grating lobes levels.** (ID: 15) [[Full Paper PDF](#)] [[Abstract](#)] [[Multimedia Zipped](#) (1.9 MB)] 

Javier Rodrigo Villazón Terrazas (, **), Alberto Ibáñez Rodríguez, Montserrat Parrilla Romero, Patricia Nevado Carvajal*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0370; pp.1520-1523.

Poster: **P1K108-05. A large aperture ultrasonic receiver for through-transmission determination of elastic constants of composite materials.** (ID: 842) [[Full Paper PDF](#)] [[Abstract](#)]

Julio Adamowski (, **), Marco Aurelio Andrade, Nicolas Perez, Flavio Buiocchi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0371; pp.1524-1527.

Poster: **P1K109-06. Implicit Calibration of Simulation Models for Ultrasonic Transducers.** (ID: 428) [[Full Paper PDF](#)] [[Abstract](#)]

Johan E. Carlson (, **), Jesper Martinsson, Fredrik Häggglund, Amin Saremi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0372; pp.1528-1531.

Poster: **P1K112-09. Welding of flat copper braid wires using ultrasonic complex vibration - Direct machining of terminal parts on flat braided wires.** (ID: 395) [[Full Paper PDF](#)] [[Abstract](#)]
Jiromaru Tsujino (, **), Tetsugi Ueoka, Eiichi Sugimoto*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0373; pp.1532-1535.

P1L. BAW Modeling:

Chair: Alexandre Volatier, *TriQuint Semiconductor, USA.*

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1L113-01. Piezo Thermo Elastic Model for the Design Optimization of Resonant Beams.** (ID: 162) [[Full Paper PDF](#)] [[Abstract](#)]
Gabriele Vigevari (, **), Jan Kuypers, Albert Pisano*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0374; pp.1536-1539.

Poster: **P1L114-02. An eigenmode superposition model for lateral acoustic coupling between thin film BAW resonators.** (ID: 357) [[Full Paper PDF](#)] [[Abstract](#)]
Tuomas Pensala (, **), Johanna Meltaus, Markku Ylilammi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0375; pp.1540-1543.

Poster: **P1L115-03. Modelling of 2-D Lateral Modes in Solidly-Mounted BAW Resonators.** (ID: 433) [[Full Paper PDF](#)] [[Abstract](#)]
Johanna Meltaus (, **), Kimmo Kokkonen, Tuomas Pensala*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0376; pp.1544-1547.

Poster: **P1L116-04. Green's Function Analysis of Lamb Wave Resonators.** (ID: 466) [[Full Paper PDF](#)] [[Abstract](#)]
Jan Kuypers (, **), Albert Pisano*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0377; pp.1548-1551.

Poster: **P1L117-05. Effect of size and shape on the performances of BAW resonators: a model and its applications.** (ID: 648) [[Full Paper PDF](#)] [[Abstract](#)]
Claude Muller (, **), Marc-Alexandre Dubois*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0378; pp.1552-1556.

Poster: **P1L118-06. Nonlinear distributed model for IMD prediction in BAW resonators.** (ID: 760) [[Full Paper PDF](#)] [[Abstract](#)]
Eduard Rocas (, **), Carlos Collado, Alberto Padilla, Jordi Mateu, Joan M. O'Callaghan*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0379; pp.1557-1560.

Poster: **P1L119-07. Nonlinear effects in solidly-mounted ZnO BAW resonators.** (ID: 768) [[Full Paper PDF](#)] [[Abstract](#)]
Arto Nurmela (, **), Hannu Salminen, Tomi Mattila, Markku Ylilammi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0380; pp.1561-1563.

Poster: **P1L120-08. Thermoelastic FEM-BEM model for Solidly Mounted Resonator.** (ID: 961) [[Full Paper PDF](#)] [[Abstract](#)]
*Didace EKEOM (**), Bertrand DUBUS*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0381; pp.1564-1567.

Poster: **P1L121-09. A Convolution-Perfectly Matched Layer (C-PML) absorbing boundary condition for elastic wave propagation in piezoelectric solids – Application to surface and Lamb waves propagation.** (ID: 1011) [[Full Paper PDF](#)] [[Abstract](#)]

Li YiFeng, Bou Matar Olivier (, **), Preobrazhensky Vladimir, Pernod Philippe*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0382; pp.1568-1571.

P1M. Microwave Acoustic Devices for Wireless Front Ends:

Chair: Robert Weigel, *University of Erlangen, Germany.*

Time: Monday, November 3, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P1M122-01. Novel MMS SAW filter structure with a new type of chirping for High Load Impedance applications.** (ID: 19) [[Full Paper PDF](#)] [[Abstract](#)]

Aleh Loseu (), Jagan Rao (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0383; pp.1572-1575.

Poster: **P1M123-02. Design of Narrow Bandwidth Ladder-type Filters with Sharp Transition Bands Using Mutually Connected Resonator Elements.** (ID: 23) [[Full Paper PDF](#)] [[Abstract](#)]

*Tomoya Komatsu, Yasutomo Tanaka, Ken-ya Hashimoto (**), Tatsuya Omori, Masatsune Yamaguchi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0384; pp.1576-1579.

Poster: **P1M124-03. Surface Acoustic Wave Duplexer composed of SiO₂ film with Convex and Concave on Cu-electrodes/LiNbO₃ Structure.** (ID: 107) [[Full Paper PDF](#)] [[Abstract](#)]

Yasuharu Nakai (), Takeshi Nakao, Kenji Nishiyama, Michio Kadota, Michio Kadota, Michio Kadota (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0385; pp.1580-1583.

Poster: **P1M125-04. Surface Acoustic Wave filter in high frequency with Narrow Bandwidth and Excellent Temperature Property.** (ID: 108) [[Full Paper PDF](#)] [[Abstract](#)]

Michio Kadota (), Takeshi Nakao, Takaki Murata, Kenji Matsuda (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0386; pp.1584-1587.

Poster: **P1M126-05. Small-sized SAW Duplexers with Wide Duplex Gap on a SiO₂/Al/LiNbO₃ Structure by Using Novel Rayleigh-mode Spurious Suppression Technique.** (ID: 197) [[Full Paper PDF](#)] [[Abstract](#)]

Hidekazu Nakanishi (, **), Hiroyuki Nakamura, Yosuke Hamaoka, Yukio Iwasaki, Hiroki Kamiguchi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0387; pp.1588-1591.

Poster: **P1M128-07. Compact Ladder Type SAW Resonator Filter.** (ID: 834) [[Full Paper PDF](#)] [[Abstract](#)]

*Anatoly Rusakov (**), Jidong Dai*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0388; pp.1592-1595.

Poster: **P1M129-08. Study on SAW Devices Having Face to Face Aligned Packaged Structure.** (ID: 863) [[Full Paper PDF](#)] [[Abstract](#)]
*Yuji Terao (**), Takanori Yamazaki (*), Keishin Koh, Koji Hohkawa*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0389; pp.1596-1599.

Poster: **P1M130-09. Switchable Low Loss SAW Filter Bank with SAW Notch Filters.** (ID: 893)
[[Full Paper PDF](#)] [[Abstract](#)]
Jiansheng Liu (), Jiuling Liu, Shunzhou Li, Shitang He (**), Yong Liang, Honglang Li*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0390; pp.1600-1602.

Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.):

P2A. Blood Flow:

Chair: Jorgen Arendt Jensen, *Technical University of Denmark, Denmark.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2A023-01. Doppler ultrasound and numerical analysis for the assessment of hemodynamic disturbances in ulcerated carotid arteries.** (ID: 451) [[Full Paper PDF](#)] [[Abstract](#)]
Emily Wong (, **), Jaques Milner, Meghan Thorne, Hristo Nikolov, David Steinman, Richard Rankin, Tamie Poepping, David Holdsworth*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0391; pp.1603-1606.

Poster: **P2A024-02. Ultrasonic Doppler Measurements of Blood Flow Velocity of Rabbit Retinal Vessels with High-Frequency Angled Needle Transducer.** (ID: 652) [[Full Paper PDF](#)] [[Abstract](#)]
Ruimin Chen (, **), Dong-Guk Paeng, Naoki Matsuoka, Hossein Ameri, Qifa Zhou, Mark Humayun, K. Kirk Shung*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0392; pp.1607-1610.

Poster: **P2A025-03. An Improved Method for Estimating the Blood Flow Velocity Vector Using Aperture Domain Data.** (ID: 490) [[Full Paper PDF](#)] [[Abstract](#)]
Angning Yu (), Hu Peng (**)*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0393; pp.1611-1614.

Poster: **P2A026-04. In-vivo validation of fast spectral velocity estimation techniques – preliminary results.** (ID: 364) [[Full Paper PDF](#)] [[Abstract](#)]
*Kristoffer L. Hansen (**), Fredrik Gran, Mads M. Pedersen, Iben K. Holfort, Jørgen A. Jensen, Michael B. Nielsen*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0394; pp.1615-1618.

Poster: **P2A027-05. Transverse Correlation: an Efficient Transverse Flow Estimator - Initial Results.** (ID: 469) [[Full Paper PDF](#)] [[Abstract](#)]
Lasse Henze (, **), Iben Kraglund Holfort, Jacob Kortbek, Jørgen Arendt Jensen*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0395; pp.1619-1622.

Poster: **P2A028-06. A comparison of two-dimensional flow estimation techniques based on computational fluid dynamics: speckle tracking versus vector-Doppler.** (ID: 1045) [[Full Paper PDF](#)] [[Abstract](#)]
Abigail Swillens (, **), Lasse Lovstakken, Hans Torp, Patrick Segers*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0396; pp.1623-1626.

Poster: **P2A029-07. Developing an Arterial Bleed Detection Algorithm for Diagnostic Ultrasound.** (ID: 615) [[Full Paper PDF](#)] [[Abstract](#)]
*Aaron Wang (**), Fritz Bech, Jason Lee, Charles Taylor, David Liang*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0397; pp.1627-1630.

P2B. Improvements in Contrast Imaging:

Chair: Piero Tortoli, *Università degli Studi di Firenze, Italy.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2B030-01. Microbubble Detection by Dual-High-Frequency Ultrasound Excitation.** (ID: 979) [[Full Paper PDF](#)] [[Abstract](#)]
Shin-Yuan Su (), Che-Chou Shen, Chih-Kuang Yeh (**)*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0398; pp.1631-1634.

Poster: **P2B031-02. Transmit phase tuning for wideband harmonic detection of contrast agents.** (ID: 517) [[Full Paper PDF](#)] [[Abstract](#)]
Che-Chou Shen (, **), Yi-Chun Hsieh*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0399; pp.1635-1638.

Poster: **P2B032-03. Radial-Modulation Chirp Imaging for High-Resolution Contrast Detection.** (ID: 934) [[Full Paper PDF](#)] [[Abstract](#)]
Meng-Lin Li (), Yu-Chen Kuo, Chih-Kuang Yeh (**)*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0400; pp.1639-1642.

Poster: **P2B033-04. Contrast Resonance Imaging with Microbubble Resonance Enhancement and Suppression.** (ID: 410) [[Full Paper PDF](#)] [[Abstract](#)]
William Shi (, **), Christopher Hall, Patrick Rafter*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0401; pp.1643-1646.

Poster: **P2B034-05. Singular-Value-Decomposition Investigation of the Sub-harmonic Response of Contrast Agents.** (ID: 125) [[Full Paper PDF](#)] [[Abstract](#)]
Jonathan Mamou (, **), Jeffrey A. Ketterling*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0402; pp.1647-1650.

Poster: **P2B035-06. Ultrasonic contrast detection with third harmonic transmit phasing.** (ID: 592) [[Full Paper PDF](#)] [[Abstract](#)]
Che-Chou Shen (, **), Hong-Wei Wang*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0403; pp.1651-1654.

Poster: **P2B036-07. Image Processing Algorithms for Cumulative Maximum Intensity Subharmonic Ultrasound Imaging: A Comparative Study in the Breast.** (ID: 1026) [[Full](#)

[Paper PDF](#) [\[Abstract\]](#)

Jaydev Dave, Flemming Forsberg (*, **), Daniel Merton, Savitha Fernandes, Traci Fox, Lauren Leodore, Anne Hall

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0404; pp.1655-1658.

Poster: **P2B037-08. Molecular Imaging of Thrombus and Ultrasound-Assisted Thrombolysis Using Targeted Ultrasound Contrast Agents.** (ID: 1096) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Jia-Ling Ruan (*), Po-Wen Cheng, Szu-Chia Chen, Yueh-Hsun Chuang, Pai-Chi Li (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0405; pp.1659-1662.

Poster: **P2B038-09. Monodisperse Microbubble Populations via Microfluidic Chip Flow-Focusing.** (ID: 1022) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Yaoyao Cui (*), Paul Campbell (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0406; pp.1663-1666.

Poster: **P2B039-10. Ultrasound Contrast Imaging Based on a Novel Algorithm Combined Pulse Inversion with Wavelet Transform.** (ID: 742) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Xiaoyan Zhao (*), Mingxi Wan (**), Hui Zhong, Liang Shen

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0407; pp.1667-1670.

P2C. Contrast Agents: Modeling and Characterization:

Chair: Jonathan Mamou, *Riverside Research Institute, New York, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2C041-01. Monitoring and Modeling of Microbubble Behavior during Ultrasound Mediated Transfection of Cell Monolayers.** (ID: 1027) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Karin Hensel, Monica Siepmann, Abdelouahid Maghnouj, Stephan Hahn, Georg Schmitz (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0408; pp.1671-1674.

Poster: **P2C042-02. Characterization of Bubble Liposomes by Measurements of Ultrasound Attenuation: Effects of Shell Materials.** (ID: 691) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Katsuji Sakaguchi (*, **), Nobuki Kudo, Ryo Suzuki, Kazuo Maruyama, Katsuyuki Yamamoto

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0409; pp.1675-1678.

Poster: **P2C043-03. Ultrasound Induced Deflation: a method to study the behavior of single bubbles with varying radius.** (ID: 810) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Francesco Guidi (*, **), Riccardo Mori, Hendrik Vos, Nico de Jong, Piero Tortoli

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0410; pp.1679-1682.

Poster: **P2C044-04. Comparison of the acoustic response of attached and unattached BiSphere™ microbubbles.** (ID: 282) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Mairead Butler (*, **), David Thomas, Stephen Pye, Carmel Moran, W Norman McDicken, Vassilis Sboros

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0411; pp.1683-1685.

Poster: **P2C045-05. An experimental setup for the determination of the inertial cavitation threshold of ultrasound contrast agents.** (ID: 305) [\[Full Paper PDF\]](#) [\[Abstract\]](#)

Michal Mleczko (, **), Georg Schmitz*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0412; pp.1686-1689.

Poster: P2C046-06. In-vivo Perfusion Quantification by Contrast Ultrasound: Validation of the Use of Linearized Video Data vs. Raw RF Data. (ID: 511) [[Full Paper PDF](#)] [[Abstract](#)]

Nicolas Rognin (, **), Peter Frinking, Maria Costa, Marcel Arditi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0413; pp.1690-1693.

Poster: P2C047-07. Applying Real-time Noninvasive Pressure Estimation Obtained from Subharmonic Contrast Microbubble Signals. (ID: 1029) [[Full Paper PDF](#)] [[Abstract](#)]

*Flemming Forsberg (**), Jaydev Dave, Valgerdur Halldorsdottir, Lauren Leodore (*), Feng Lin, Anne Hall, Kai Thomenius*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0414; pp.1694-1697.

P2D. Bioeffects:

Chair: Chris Hall, *Philips Research North America, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P2D048-01. Investigation on the Usefulness of the Infrared Image for Measuring the Temperature Developed by Transducer. (ID: 75) [[Full Paper PDF](#)] [[Abstract](#)]

SATOSHI YAMAZAKI (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0415; pp.1698-1701.

Poster: P2D049-02. Delivery of Fluorescent Dextrans through the Ultrasound-Induced Blood-Brain Barrier Opening in Mice. (ID: 298) [[Full Paper PDF](#)] [[Abstract](#)]

Shougang Wang (), Babak Baseri, James Choi, Yao-Sheng Tung, Barclay Morrison, Elisa Konofagou (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0416; pp.1702-1705.

Poster: P2D050-03. Safety radius for algae eradication at 200 kHz - 2.5 MHz. (ID: 275) [[Full Paper PDF](#)] [[Abstract](#)]

*Spiros Kotopoulis, Antje Schommartz, Michiel Postema (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0417; pp.1706-1709.

Poster: P2D053-06. Focused-Ultrasound Modifications on the Conduction Properties of Toad's Sciatic Nerve. (ID: 547) [[Full Paper PDF](#)] [[Abstract](#)]

*Yu Wen-li, Wang Su-pin, Zhao Nan, Shao Yuan, Wan Ming-xi (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0418; pp.1710-1713.

Poster: P2D055-08. Simulated and experimental analysis of PVDF membrane hydrophone low-frequency response for accurate measurements of lithotripsy shockwaves. (ID: 784) [[Full Paper PDF](#)] [[Abstract](#)]

Adam Maxwell (, **), Oleg Sapozhnikov, Yuri Pishchalnikov, Michael Bailey*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0419; pp.1714-1717.

Poster: P2D058-11. The bioeffects of nanoparticles using ultrasound stimulation in endothelial cell. (ID: 1133) [[Full Paper PDF](#)] [[Abstract](#)]

*Po-Hsiang Hsu, Rui-Pin Chen, Hao-Yu Yang, Chi-Chang Juan, Huihua Kenny Chiang (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0420; pp.1718-1720.

P2E. High Frequency Techniques:

Chair: K. Kirk Shung, *University of Southern California, CA, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2E059-01. Comparative Study between Ultrasound Biomicroscopy and Histopathology of Diversion Colitis on Rats.** (ID: 599) [[Full Paper PDF](#)] [[Abstract](#)]

Rodrigo Pacheco, Kelly Alves, Christiano Espósito, Monica Soldan, Leonardo Quintella, Vera Chagas, Alberto Schanaider, Joao Machado (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0421; pp.1721-1723.

Poster: **P2E060-02. Characterising the performance of a high resolution ultrasound scanner for pre-clinical ultrasound imaging.** (ID: 504) [[Full Paper PDF](#)] [[Abstract](#)]

*Carmel Moran (**), Bill Ellis, Sean Smart, Stephen Pye*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0422; pp.1724-1727.

Poster: **P2E061-03. Development of diagnostic imaging system for regional lymph node micrometastasis with high-frequency ultrasound.** (ID: 831) [[Full Paper PDF](#)] [[Abstract](#)]

Noriko Tomita (), Sachiko Horie, Fuki Oosawa, Chen Rui, Yukiko Watanabe, Kousuke Ohki, Hidehiro Morikawa, Manabu Fukumoto, Shiro Mori, Tetsuya Kodama (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0423; pp.1728-1729.

Poster: **P2E062-04. Improved high-frequency high frame rate duplex ultrasound linear array imaging system.** (ID: 611) [[Full Paper PDF](#)] [[Abstract](#)]

Lequan Zhang (, **), Xiaochen Xu, Changhong Hu, Lei Sun, Jesse T. Yen, Jonathan M. Cannata, K. Kirk Shung*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0424; pp.1730-1733.

Poster: **P2E063-05. A Novel Scan Method Using Angled High Frequency Single Element Needle Transducers.** (ID: 821) [[Full Paper PDF](#)] [[Abstract](#)]

*Jin Ho Chang (**), Dong-Guk Paeng (*), Rumin Chen, Mark S. Humayun, K. Kirk Shung*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0425; pp.1734-1737.

Poster: **P2E064-06. Longitudinal study of adult zebrafish heart regeneration using high frequency echocardiography.** (ID: 334) [[Full Paper PDF](#)] [[Abstract](#)]

*Lei Sun (**), Ching-Ling Lien, Qiong Wu, Jin Ho Chang, K. Kirk Shung*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0426; pp.1738-1741.

Poster: **P2E065-07. Contrast-Enhanced High-Frequency Ultrasound Imaging of Liver Metastases in Preclinical Models.** (ID: 663) [[Full Paper PDF](#)] [[Abstract](#)]

Rui Chen (), Noriko Tomita, Taisuke Baba, Fuki Oosawa, Yukiko Watanabe, Sachiko Horie, Shiro Mori, Manabu Fukumoto, Tetsuya Kodama (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0427; pp.1742-1744.

P2F. 3D / Cardiac Imaging:

Chair: Hiroshi Kanai, *Tohoku University, Japan.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P2F067-02. Cardiac Output Estimation in Non-Standard 3D Echocardiographic Images.

(ID: 158) [[Full Paper PDF](#)] [[Abstract](#)]

*Maartje Nillesen (**), Richard Lopata, Willem de Boode, Inge Gerrits, Henkjan Huisman, Han Thijssen, Livia Kapusta, Chris de Korte (*)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0428; pp.1745-1748.

Poster: P2F068-03. Automatic Coupled Segmentation of Endo- and Epicardial Borders in 3D Echocardiography. (ID: 67) [[Full Paper PDF](#)] [[Abstract](#)]

*Fredrik Orderud (**), Gabriel Kiss, Hans G. Torp*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0429; pp.1749-1752.

Poster: P2F069-04. A Four-dimensional Model-based Method for Assessing Cardiac Dyssynchrony in Mice. (ID: 642) [[Full Paper PDF](#)] [[Abstract](#)]

*Yinbo Li, Patrick Helm, Christopher Garson, Brent French, John Hossack (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0430; pp.1753-1756.

Poster: P2F070-05. Improving Ejection Fraction Estimation for 2D Ultrasound Using a Computer-generated Cardiac Model. (ID: 40) [[Full Paper PDF](#)] [[Abstract](#)]

Mahdieh Khoshniat (), Thomas Szabo (**), Peder Pedersen, Dennis Tighe*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0431; pp.1757-1760.

Poster: P2F071-06. Tangential oscillations for motion estimation in echocardiography. (ID: 525) [[Full Paper PDF](#)] [[Abstract](#)]

Herve Liebgott (, **), Adrian Basarab, Stefan Marincas, Olivier Bernard, Denis Friboulet*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0432; pp.1761-1764.

P2G. Medical Imaging Transducers:

Chair: K. Kirk Shung, *University of Southern California, CA, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P2G072-01. Evaluation of Inline Transmitter/Receiver System for Intravascular Ultrasound Imaging Using $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 Single Crystal and Polyvinylidene Fluoride. (ID: 623) [[Full Paper PDF](#)] [[Abstract](#)]

Masayuki Tanabe (, **), Kan Okubo, Norio Tagawa, Tadashi Moriya*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0433; pp.1765-1768.

Poster: P2G073-02. Novel biomedical imaging that combines intravascular ultrasound (IVUS) and optical coherence tomography (OCT). (ID: 843) [[Full Paper PDF](#)] [[Abstract](#)]

Hao-Chung Yang (), JieChen Yin, Changhong Hu, Qifa Zhou, Jonathan Cannata, Zhongping Chen, K. Kirk Shung (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0434; pp.1769-1772.

Poster: P2G074-03. A 100-MHz 32-array transducer using lithographically-made electrodes and

vapor-deposited polyurea film. (ID: 438) [[Full Paper PDF](#)] [[Abstract](#)]

Toshiki Takayasu (, **), Marie Nakazawa, Kentaro Nakamura, Sadayuki Ueha*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0435; pp.1773-1776.

Poster: **P2G075-04. Fundamental and Third Harmonic Operation of a Medical Phased Array Transducer.** (ID: 500) [[Full Paper PDF](#)] [[Abstract](#)]

Martijn Frijlink (, **), Lasse Løvstakken, Hans Torp*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0436; pp.1777-1780.

Poster: **P2G076-05. Fabrication of MEMS Diaphragm Transducer Array Based on Epitaxial PZT Thin Film for 2-D Hydrophone Application.** (ID: 553) [[Full Paper PDF](#)] [[Abstract](#)]

Nagaya Okada (, **), Kazuki Higuchi, Yoshiyuki Asakura, Kazuto Kobayashi, Mikinori Ito,*

Masashi Takabe, Mikito Otonari, Ikuo Kanja, Daisuke Akai, Kazuaki Sawada, Makoto Ishida

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0437; pp.1781-1784.

Poster: **P2G077-06. Symmetric Reflector Plates Doubling Transducer Efficiency.** (ID: 635) [[Full Paper PDF](#)] [[Abstract](#)]

*Minoru Toda, Minoru Toda (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0438; pp.1785-1788.

Poster: **P2G078-07. Frequency-adjusted Fresnel lens design for a broadband transducer with varying thickness.** (ID: 1110) [[Full Paper PDF](#)] [[Abstract](#)]

Sheng-Yung Chen (), Jian-Hung Liu, Pai-Chi Li (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0439; pp.1789-1792.

P2H. Nonlinear Propagation:

Chair: Valery Proklov, *IRE RAS, Russia.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2H079-01. Acoustic radiation force on objects and power measurements of focusing source (HIFU).** (ID: 316) [[Full Paper PDF](#)] [[Abstract](#)]

*Zu Wen Qian (**), Zhemin Zhu (*), Shigong Ye, Wenhua Jiang, Houqing Zhu, Jinshen Yu, Yi Yuan, Yaqin Yang, ling xiao, xiaodong wu*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0440; pp.1793-1796.

Poster: **P2H081-03. Using Swept Frequency Acoustic Interferometry for Spherical Resonator Characteristics Determination.** (ID: 1046) [[Full Paper PDF](#)] [[Abstract](#)]

Ilona Ali Bláhová (, **), Jaroslav Plocek*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0441; pp.1797-1799.

Poster: **P2H082-04. Nonlinear Planar Forward and Backward Projection.** (ID: 1053) [[Full Paper PDF](#)] [[Abstract](#)]

*Gregory Clement (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0442; pp.1800-1803.

Poster: **P2H084-06. Subharmonic Vibrations in Plates Excited by High-intensive Ultrasonic Pulses.** (ID: 704) [[Full Paper PDF](#)] [[Abstract](#)]

Zhao-jiang Chen (), Shu-yi Zhang (**), Kai Zheng, Tao Zhang, Feng-mei Zhou*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0443; pp.1804-1807.

P2I. Ultrasonic Wave Propagation II:

Chair: **Ji Wang**, *Ningbo University, Ningbo, China.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2I085-01. Development of General Solution of Cumulative Second Harmonic by Lamb Wave Propagation.** (ID: 135) [[Full Paper PDF](#)] [[Abstract](#)]

*Mingxi Deng (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0444; pp.1808-1811.

Poster: **P2I087-03. Influence of the external electric field on propagation of Lamb waves in thin piezoelectric sheets.** (ID: 263) [[Full Paper PDF](#)] [[Abstract](#)]

Sergey Burkov, Olga Zolotova, Boris Sorokin (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0445; pp.1812-1814.

Poster: **P2I088-04. Method of Extracting Unloaded Q Applied Across Different Resonator Technologies.** (ID: 604) [[Full Paper PDF](#)] [[Abstract](#)]

Rich Ruby (, **), Reed Parker, Dave Feld*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0446; pp.1815-1818.

Poster: **P2I089-05. Love Wave Propagating in Functionally Graded Magneto-electro-elastic Material Structure.** (ID: 695) [[Full Paper PDF](#)] [[Abstract](#)]

Jianke Du (, **), Wuchao Chen, Ji Wang*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0447; pp.1819-1822.

P2J. Ultrasonic Motor Innovations:

Chair: **Oliver Kripfgans**, *University of Michigan, MI, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2J091-01. Adaptive Control of Ultrasonic Motors Using the Maximum Power Point Tracking Method.** (ID: 41) [[Full Paper PDF](#)] [[Abstract](#)]

Markus Flueckiger (, **), José M. Fernandez, Yves Perriard*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0448; pp.1823-1826.

Poster: **P2J093-03. Control of Multiple Ultrasonic Motors with Robust Parameter Design.** (ID: 141) [[Full Paper PDF](#)] [[Abstract](#)]

*Zhijun Sun (**), Huafeng Li (*), Weiqing H*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0449; pp.1827-1830.

Poster: **P2J094-04. Design and Optimization of a Novel Annular Sector Curvilinear Ultrasonic Motor.** (ID: 145) [[Full Paper PDF](#)] [[Abstract](#)]

shiyang li (, **), ming yang, He Wei*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0450; pp.1831-1834.

Poster: **P2J097-07. Experimental Study on Non-contact Linear Motors Driven by Surface Acoustic Waves.** (ID: 764) [[Full Paper PDF](#)] [[Abstract](#)]

Huan-huan Gu (), Li-ping Cheng, Shu-yi Zhang (**), Feng-mei Zhou, Xiu-ji Shui*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0451; pp.1835-1837.

Poster: **P2J098-08. A wear evaluation of friction materials used for rotary ultrasonic motors.** (ID: 910) [[Full Paper PDF](#)] [[Abstract](#)]

wei zheng (, **), Chunsheng Zhao*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0452; pp.1838-1841.

Poster: **P2J099-09. Predictive Control of Piezoelectric Actuators with Friction Drive Mechanism.** (ID: 1081) [[Full Paper PDF](#)] [[Abstract](#)]

*Seiji Hashimoto (**), Toshifumi Kondo, Shigeki Goka*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0453; pp.1842-1845.

P2K. Acoustic Wave Sensors:

Chair: **Jacqueline Hines**, *Applied Sensor Research and Development Corporation, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2K100-01. Development of a new Love wave liquid sensor operating at 2GHz with an integrated micro-flow channel.** (ID: 101) [[Full Paper PDF](#)] [[Abstract](#)]

Philippe KIRSCH, Badreddine ASSOUAR (, **), Patrick ALNOT*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0454; pp.1846-1849.

Poster: **P2K102-03. SAW Gas Sensors with Carbon Nanotubes Films.** (ID: 87) [[Full Paper PDF](#)] [[Abstract](#)]

*Michele Penza (**), Riccardo Rossi, Marco Alvisi, Patrizia Aversa, Gennaro Cassano, Domenico Suriano, Massimiliano Benetti, Domenico Cannatà, Fabio Di Pietrantonio, Enrico Verona*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0455; pp.1850-1853.

Poster: **P2K103-04. Passive and Remote Polymer-coated Love Wave Chemical Sensor.** (ID: 151) [[Full Paper PDF](#)] [[Abstract](#)]

*Wen Wang (**), Shitang He*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0456; pp.1854-1857.

Poster: **P2K104-05. Experimental Study on Love-wave Sensors with SiO₂/LiTaO₃ Structures.** (ID: 430) [[Full Paper PDF](#)] [[Abstract](#)]

Feng-mei Zhou (), Zhe Li, Tao Zhang, Wei Lin, Li Fan, Xun Gong, Shu-yi Zhang (**)*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0457; pp.1858-1860.

Poster: **P2K105-06. Simulation of Wireless Passive SAW Sensors Based on FEM/BEM Model.** (ID: 495) [[Full Paper PDF](#)] [[Abstract](#)]

*Qiuyun Fu, Wei Luo (**), Yi Wang, Jianling Wang, Dongxiang Zhou*
Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0458; pp.1861-1864.

Poster: **P2K107-08. Development of a Calibration Procedure for Torque and Temperature Sensors**

Based on SAW Resonators. (ID: 544) [[Full Paper PDF](#)] [[Abstract](#)]

Victor Kalinin (, **), Raymond Lohr, Arthur Leigh*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0459; pp.1865-1868.

Poster: P2K108-09. Assessment of Fatigue Damage in Solid Plates Using Ultrasonic Lamb Wave Spectra. (ID: 698) [[Full Paper PDF](#)] [[Abstract](#)]

Junfeng Pei, Mingxi Deng (, **)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0460; pp.1869-1872.

Poster: P2K109-10. A NOVEL ULTRASONIC SENSING BASED HUMAN FACE RECOGNITION. (ID: 827) [[Full Paper PDF](#)] [[Abstract](#)]

Zhenwei Miao (), Wei Ji, Yong Xu, Jun Yang (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0461; pp.1873-1876.

Poster: P2K111-12. New measurement method to characterize piezoelectric SAW substrates at very high temperature. (ID: 926) [[Full Paper PDF](#)] [[Abstract](#)]

Pascal NICOLAY, Omar elmazria (, **), Frederic SARRY, Thierry AUBERT, Laurent BOUVOT, Michel HEHN*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0462; pp.1877-1880.

P2L. Acoustical Imaging and Signal Processing:

Chair: Erdal Oruklu, *Illinois Institute of Technology, IL, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P2L113-01. Recursive Filters for Subband Decomposition Algorithms in Ultrasonic Detection Applications. (ID: 488) [[Full Paper PDF](#)] [[Abstract](#)]

Erdal Oruklu (, **), Joshua Weber, Jafar Saniie*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0463; pp.1881-1884.

Poster: P2L114-02. A New Lossy Compression Algorithm for Ultrasound Signals. (ID: 403) [[Full Paper PDF](#)] [[Abstract](#)]

Miguel Freitas (), Henrique dos Santos, Marcelo Jimenez, Jean Pierre von der Weid (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0464; pp.1885-1888.

Poster: P2L115-03. Resolution Improvement of Shallow Underground Imaging Using Super-Magnetstriction Vibrator and Pulse Compression Method. (ID: 474) [[Full Paper PDF](#)] [[Abstract](#)]

Tsuneyoshi Sugimoto (), Hiraku Kawasaki (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0465; pp.1889-1892.

Poster: P2L116-04. Non-contact Observation of Cultured Cells by Acoustic Impedance Microscope. (ID: 905) [[Full Paper PDF](#)] [[Abstract](#)]

Aiko Nakano (), Tsutomu Uemura, Naohiro Hozumi (**), Masayuki Nagao, Sachiko Yoshida, Kazuto Kobayashi, Seiji Yamamoto, Yoshifumi Saijo*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0466; pp.1893-1896.

P2M. NDE Methods:

Chair: Kentaro Nakamura, *Tokyo Institute of Technology, Japan.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2M118-01. Study on feasibility of pressure pipe guided wave NDT based on magnetostrictive effect.** (ID: 100) [[Full Paper PDF](#)] [[Abstract](#)]

Li_hua Shen (), Yue_min Wang (**), Feng_rui Sun*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0467; pp.1897-1900.

Poster: **P2M120-03. Ultrasonic and optical characterization of forming colloidal films.** (ID: 160) [[Full Paper PDF](#)] [[Abstract](#)]

Timo Karppinen (, **), Heikki Pajari, Jonne Haapalainen, Ivan Kassamakov, Edward Hægström*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0468; pp.1901-1904.

Poster: **P2M121-04. A Simple Maxwell Based Model in Order to Represent the Frequency-dependent Viscosity Measured by Ultrasound.** (ID: 363) [[Full Paper PDF](#)] [[Abstract](#)]

*Ediguer Franco (**), Julio Adamowski, Ricardo Higuti, Flávio Buiochi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0469; pp.1905-1907.

Poster: **P2M122-05. Towards a simple acoustic method to evaluate the nonlinear parameter B/A of fluids.** (ID: 569) [[Full Paper PDF](#)] [[Abstract](#)]

*François Vander Meulen (**), Lionel Haumesser*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0470; pp.1908-1911.

Poster: **P2M123-06. The reflection and transmission of Lamb waves across a rectangular crack as a function of the crack geometry.** (ID: 1101) [[Full Paper PDF](#)] [[Abstract](#)]

Yongrae Roh (, **), Byungsoo Kim*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0471; pp.1912-1915.

P2N. Thin Film & Device Fabrication:

Chair: Bob Potter, *Vectron International, USA.*

Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P2N126-01. Development of a 6GHz resonator by using an AlN diamond structure.** (ID: 186) [[Full Paper PDF](#)] [[Abstract](#)]

Satoshi Fujii (, **), Shuichi Kawano, Takatoshi Umeda, Masashi Fujioka, Mitsuhiro Yoda*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0472; pp.1916-1919.

Poster: **P2N127-02. Development of 4GHz Bulk Acoustic Wave Resonators by Sputtered Pb(Mn,Nb)O₃-Pb(Zr,Ti)O₃ Thin Films.** (ID: 473) [[Full Paper PDF](#)] [[Abstract](#)]

*Tomoaki Matsushima (**), Norihiro Yamauchi (*), Takeo Shirai, Takaaki Yoshihara, Yoshiki Hayasaki, Isaku Kanno, Kiyotaka Wasa*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0473; pp.1920-1923.

Poster: **P2N128-03. Surface Acoustic Wave Devices on AlN/Single-crystal Diamond for High Frequency and High Performances Operation.** (ID: 566) [[Full Paper PDF](#)] [[Abstract](#)]

M. Benetti, D. Cannatà, F. Di Pietrantonio (, **), E. Verona, S. Almagiva, G. Prestopino, C. Verona, G. Verona-Rinati*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0474; pp.1924-1927.

Poster: P2N129-04. Single Phase Transducer Consisting of AlGaIn/GaN Film. (ID: 869) [[Full Paper PDF](#)] [[Abstract](#)]
Koji Hohkawa (), Satoshi Oshiyama, Keishin Koh, Kazumi Nishimura, Naoteru Shigekawa, Yuji Terao*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0475; pp.1928-1931.

P2O. SAW Simulation:

Chair: Ken-ya Hashimoto, Chiba University, Japan.
Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P2O130-01. 3D Finite Element Modeling of Real Size SAW Devices and Experimental Validation. (ID: 196) [[Full Paper PDF](#)] [[Abstract](#)]
Sergei Zhgoon (, **), Dmitriy Tsimbal, Alexander Shvetsov, Kushal Bhattacharjee*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0476; pp.1932-1935.

Poster: P2O132-03. COM Analysis for LSAW filters. (ID: 399) [[Full Paper PDF](#)] [[Abstract](#)]
Svetlana Malocha (, **), Benjamin Abbott, Nancy Saldanha, Ahmet Bayram, Pierre-Alexandre Girard*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0477; pp.1936-1939.

P2P. Sensors and ID-Tags Based on SAW:

Chair: Victor Plessky, GVR Trade SA, Switzerland.
Time: Tuesday, November 4, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P2P135-01. High Frequency Lamb Wave Device composed of LiNbO3 Thin Film. (ID: 105) [[Full Paper PDF](#)] [[Abstract](#)]
*Michio Kadota (**), Takashi Ogami (*), Kansho Yamamoto, Yasuhiro Negoro, Hikari Tochishita*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0478; pp.1940-1943.

Poster: P2P136-02. Feasibility of Ultra-Wideband SAW Tags. (ID: 353) [[Full Paper PDF](#)] [[Abstract](#)]
Sanna Harma (, **), Victor Plessky, Xianyi Li*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0479; pp.1944-1947.

Poster: P2P138-04. A surface acoustic wave sensor for detection of cell adhesion. (ID: 692) [[Full Paper PDF](#)] [[Abstract](#)]
*Glen Guhr (**), Raimund Brünig (*), Martin Jäger, Rüdiger Poll, Hagen Schmidt, Manfred Weihnacht*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0480; pp.1948-1950.

Poster: P2P139-05. The effect of parallelism of CMUT cells on phase noise for chem/bio sensor applications. (ID: 817) [[Full Paper PDF](#)] [[Abstract](#)]

*Hyunjoo Lee (**), Kwankyu Park, Paul Cristman, Omer Oralkan, Mario Kupnik, Butrus (Pierre) Khuri-Yakub*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0481; pp.1951-1954.

Poster: P2P140-06. Errors of Phase and Group Delays in SAW RFID with Phase Modulation. (ID: 976) [[Full Paper PDF](#)] [[Abstract](#)]

*Tao Han (**), Wei Lin, Jiming Lin, Weibiao Wang, Haodong Wu, Yongan Shui (*), Xuesong Du, Yi Ding, Liang cao, Tinghui Qin*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0482; pp.1955-1958.

Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.):

P3A. Tissue Characterization - Technologies:

Chair: James Miller, Washington University in Saint Louis, USA.

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P3A023-01. Combining Edge Detection With Speckle-Tracking for Cardiac Strain Assessment in 3D echocardiography. (ID: 65) [[Full Paper PDF](#)] [[Abstract](#)]

Fredrik Orderud (, **), Gabriel Kiss, Stian Langeland, Espen W. Remme, Hans G. Torp, Stein I. Rabben*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0483; pp.1959-1962.

Poster: P3A024-02. Parametric Imaging of Specular Reflections and Diffuse Scattering of Tissue from Multi-Directional Ultrasound Echo Signal Data. (ID: 548) [[Full Paper PDF](#)] [[Abstract](#)]

*Michael Vogt (**), Jörn Opretzka (*), Helmut Ermert*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0484; pp.1963-1966.

Poster: P3A025-03. 50 MHz Ultrasound Characterization of Colitis on Rats, in vitro. (ID: 128) [[Full Paper PDF](#)] [[Abstract](#)]

Monica Soldan (), Paulo Silva, Alberto Schanaider, Joao Machado (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0485; pp.1967-1970.

Poster: P3A026-04. Ultrasound backscattering by three-dimensional distributions of aggregated red blood cells: A Monte Carlo study. (ID: 855) [[Full Paper PDF](#)] [[Abstract](#)]

Ratan Kumar Saha (, **), Guy Cloutier*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0486; pp.1971-1974.

Poster: P3A027-05. Assessment of Red Blood Cell Aggregation Using Normalized Power Spectrum of High Frequency Ultrasound. (ID: 679) [[Full Paper PDF](#)] [[Abstract](#)]

Nobutaka Saitoh (), Hideyuki Hasegawa, Hiroshi Kanai (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0487; pp.1975-1978.

Poster: P3A028-06. Strain Estimation with Center Frequency Correction and Reliable Displacement Selection. (ID: 138) [[Full Paper PDF](#)] [[Abstract](#)]

Takao Suzuki (, **), Takenori Fukumoto, Makoto Kato*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0488; pp.1979-1982.

Poster: **P3A029-07. Biomedical Application of Acoustic Microscopy - Diagnosis, Assessing Echogenicity and Biomechanics.** (ID: 1163) [[Full Paper PDF](#)] [[Abstract](#)]
*Yoshifumi Saijo (**), Yoshihiro Hagiwara, Kazuto Kobayashi, Nagaya Okada, Akira Tanaka, Naohiro Hozumi, Motonao Tanaka*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0489; pp.1983-1986.

P3B. Tissue Characterization - In Vivo Applications:

Chair: Stanislav Emelianov, *University of Texas at Austin, TX, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3B030-01. Non-invasive staging of hepatic steatosis using Computer-Aided Ultrasound diagnosis.** (ID: 884) [[Full Paper PDF](#)] [[Abstract](#)]
*Johan Thijssen (**), Gert Weijers, Alexander Starke, Alois Haudum, Kathrin Herzog, Juergen Rehage, Chris de Korte (*)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0490; pp.1987-1990.

Poster: **P3B031-02. A Compound Ultrasound Imaging Strategy in Carpel Tunnel Syndrome Diagnosis.** (ID: 1120) [[Full Paper PDF](#)] [[Abstract](#)]
Chih-Kuang Yeh (, **), Ying-Jie Yue, Wen-Shiang Chen*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0491; pp.1991-1994.

Poster: **P3B033-04. Accurate Ultrasonic Measurement of Myocardial Regional Strain Rate at High Temporal and Spatial Resolutions.** (ID: 677) [[Full Paper PDF](#)] [[Abstract](#)]
Yasunori Honjo (), Hideyuki Hasegawa, Hiroshi Kanai (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0492; pp.1995-1998.

Poster: **P3B034-05. Flow-Mediated Change in Viscoelasticity of Radial Artery Noninvasively Measured by 22-MHz Ultrasound.** (ID: 678) [[Full Paper PDF](#)] [[Abstract](#)]
Kazuki Ikeshita (), Hideyuki Hasegawa, Hiroshi Kanai (**)*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0493; pp.1999-2002.

P3C. Elastography:

Chair: Chris de Korte, *Radboud University Nijmegen Medical Centre, The Netherlands.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3C037-01. Comparison of Multiple Beam Sequences in Arterial ARFI Imaging, Ex Vivo.** (ID: 1023) [[Full Paper PDF](#)] [[Abstract](#)]
Russell Behler (, **), Timothy Nichols, Elizabeth Merricks, Caterina Gallippi*
 Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0494; pp.2003-2008.

Poster: **P3C038-02. Acoustic Radiation Force Based Quantification of Tissue Shear Modulus within the Region of Excitation.** (ID: 1038) [[Full Paper PDF](#)] [[Abstract](#)]
Mark Palmeri, David Xuo, Liang Zhai (), Kathryn Nightingale (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0495; pp.2009-2012.

Poster: **P3C039-03. A Combined ARFI Sequence For 2D Displacement Imaging and Shear Wave Velocity Mapping.** (ID: 989) [[Full Paper PDF](#)] [[Abstract](#)]

Liang Zhai (, **), Stephen Hsu, Richard Bouchard, Kathy Nightingale*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0496; pp.2013-2016.

Poster: **P3C041-05. Improvement on the Elastic Visualization of Thermal Lesion Using Block Wavelet Shrinkage.** (ID: 35) [[Full Paper PDF](#)] [[Abstract](#)]

Dachun Zhang (), Mingxi Wan (**), Hongmei Zhang, Supin Wang*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0497; pp.2017-2020.

Poster: **P3C042-06. Robust Strain Estimation Using Adaptive Dynamic Grid-Interpolation Model.** (ID: 725) [[Full Paper PDF](#)] [[Abstract](#)]

Makoto Yamakawa (, **), Shuhui Bu, Tsuyoshi Shiina*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0498; pp.2021-2024.

Poster: **P3C043-07. Reverberation Reduction in Vibro-acoustography using Channel Estimation Method.** (ID: 839) [[Full Paper PDF](#)] [[Abstract](#)]

Yi Zheng (, **), Aiping Yao, Jiangli Lin, Randy Kinnick, James Greenleaf, Mostafa Fatemi*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0499; pp.2025-2028.

Poster: **P3C044-08. Maximal accumulative respiration strain for the assessment of hepatic fibrosis: preliminary studies.** (ID: 883) [[Full Paper PDF](#)] [[Abstract](#)]

Jinhua Shao (), Xiangdong Hu, Jinrui Wang, Linxue Qian, Ke Liu, Jing Bai (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0500; pp.2029-2032.

Poster: **P3C045-09. Computer-aided Diagnosis of Diffuse Disease based on Ultrasound Elasticity Images.** (ID: 1080) [[Full Paper PDF](#)] [[Abstract](#)]

Masakazu Yamazaki (), Hotaka Takizawa, Tsuyoshi Shiina (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0501; pp.2033-2035.

Poster: **P3C046-10. An ultrasound imaging method for in vivo measurement of tracheal elasticity.** (ID: 952) [[Full Paper PDF](#)] [[Abstract](#)]

Chih-Yen Chen, Chao-Ling Wu (), Shou Chia Chu, Huihua Kenny Chiang (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0502; pp.2036-2039.

Poster: **P3C048-12. Quantitative elastography, solving the inverse elasticity problem using the Gauss-Newton method.** (ID: 1036) [[Full Paper PDF](#)] [[Abstract](#)]

Mauro Sette (, **), Jan D'hooge, Hendrik Van Brussel, Jos Vander Sloten*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0503; pp.2040-2043.

Poster: **P3C049-13. Viscoelastic Characterization of Soft Tissues by Dynamic Micro-Elastography (DME) in the Frequency Range of 300-1500 Hz.** (ID: 650) [[Full Paper PDF](#)] [[Abstract](#)]

Cedric Schmitt (, **), Anis Hadj Henni, Guy Cloutier*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0504; pp.2044-2047.

P3D. Therapeutic Ultrasound Applications:

Chair: Greg Clement, *Brigham & Women's Hospital, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3D050-01. Standing waves suppression in transcranial ultrasound therapy using random-signal-modulation excitation.** (ID: 463) [[Full Paper PDF](#)] [[Abstract](#)]

Sai Chun Tang (, **), Gregory Clement*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0505; pp.2048-2051.

Poster: **P3D051-02. Cavitation Enhanced Ultrasound Thrombolysis.** (ID: 483) [[Full Paper PDF](#)] [[Abstract](#)]

*Shanshan Xu, Xiaojing Li, Yang Liu, Cheng Xu, Mingxi Wan (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0506; pp.2052-2055.

Poster: **P3D052-03. A Pre-treatment Planning Strategy for High-Intensity Focused Ultrasound (HIFU) Treatments: Optimized Source Placement.** (ID: 992) [[Full Paper PDF](#)] [[Abstract](#)]

Phillip Jason White (, **), Billy Andre, Nathan J. McDannold, Greg T. Clement*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0507; pp.2056-2058.

Poster: **P3D053-04. A Nonlinear Method for High-Intensity Focused Ultrasound (HIFU) Aberration Reduction.** (ID: 1000) [[Full Paper PDF](#)] [[Abstract](#)]

Phillip Jason White (, **), Pat von Pattenberg, Greg T. Clement*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0508; pp.2059-2061.

Poster: **P3D055-06. Contrast Agent Kinetics in the Rabbit Brain During Exposure to Focused Ultrasound.** (ID: 1025) [[Full Paper PDF](#)] [[Abstract](#)]

David Goertz (, **), Cameron Wright, Kullervo Hynynen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0509; pp.2062-2065.

Poster: **P3D056-07. Characterization of sonicated breath films by Atomic Force Microscopy.** (ID: 1065) [[Full Paper PDF](#)] [[Abstract](#)]

Timur Saliev (, **), Matt Mullan, Yaoyao Cui, Paul Campbell (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0510; pp.2066-2067.

P3E. Therapeutic Ultrasound Technologies:

Chair: Nobuki Kudo, *Hokkaido University, Japan.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3E057-01. Progress in CMUTs for HIFU ablation of lower abdominal cancer.** (ID: 33) [[Full Paper PDF](#)] [[Abstract](#)]

Serena Wong (, **), Ronald Watkins, Mario Kupnik, Kim Butts Pauly, Butrus T. Khuri-Yakub*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0511; pp.2068-2071.

Poster: **P3E058-02. Development of a reliable ultrasound power source for metrological applications.** (ID: 307) [[Full Paper PDF](#)] [[Abstract](#)]

*Elyr Alves (**), Rodrigo Costa-Felix*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0512; pp.2072-2075.

Poster: **P3E059-03. A harmonic cancellation technique for an ultrasound transducer excited by a switched-mode power converter.** (ID: 603) [[Full Paper PDF](#)] [[Abstract](#)]

Sai Chun Tang (, **), Gregory Clement*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0513; pp.2076-2079.

Poster: **P3E060-04. A Model-Based Displacement Outlier Removal Algorithm for Ultrasonic Temperature Estimation.** (ID: 659) [[Full Paper PDF](#)] [[Abstract](#)]

*Guoliang Ye (**), J. Alison Noble, Penny Probert Smith, Chang-yu Hsieh*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0514; pp.2080-2083.

Poster: **P3E061-05. A Novel Ultrasonic-Imaging Based Temperature Estimation Approach by Instantaneous Frequency Detection.** (ID: 689) [[Full Paper PDF](#)] [[Abstract](#)]

*Hao-Li Liu (**), Sheng-Min Huang, Meng-Lin Li, Kuen-Cheng Ju*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0515; pp.2084-2087.

Poster: **P3E062-06. Thermal imaging with ultrasound reflex transmission methods.** (ID: 811) [[Full Paper PDF](#)] [[Abstract](#)]

*Caleb H Farny (**), Greg T Clement (*)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0516; pp.2088-2091.

P3F. MUT Transducers:

Chair: Qifa Zhou, *University of Southern California, CA, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3F064-01. Curvilinear Capacitive Micromachined Ultrasonic Transducer (CMUT) Array Fabricated Using a Reverse Process.** (ID: 252) [[Full Paper PDF](#)] [[Abstract](#)]

*Alessandro Caronti (**), Andrea Coppa, Alessandro Savoia, Cristina Longo, Philipp Gatta, Barbara Mauti, Antonio Corbo, Beatrice Calabrese, Giulio Bollino, Alejandro Paz, Giosuè Caliano, Massimo Pappalardo*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0517; pp.2092-2095.

Poster: **P3F065-02. Dual-Electrode CMUT optimization for CMUTs with uniform and non-uniform membranes.** (ID: 254) [[Full Paper PDF](#)] [[Abstract](#)]

*Rasim Guldiken (**), Jaime Zahorian, Mijdat Balantekin, Levent Degertekin*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0518; pp.2096-2099.

Poster: **P3F066-03. The design and characterization of capacitive micromachined ultrasonic transducers (CMUTs) for generating high-intensity ultrasound for transmission of directional audio.** (ID: 421) [[Full Paper PDF](#)] [[Abstract](#)]

*Ira Wygant (**), Mark Wochner, Mario Kupnik (*), Wayne Wright, Mark Hamilton, Butrus Khuri-Yakub*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0519; pp.2100-2102.

Poster: **P3F067-04. Co-optimization of CMUT and Receive Amplifiers to Suppress Effects of Neighbor Coupling Between CMUT Elements.** (ID: 521) [[Full Paper PDF](#)] [[Abstract](#)]

*Sigrid Berg (**), Trond Ytterdal, Arne Rønnekleiv (*)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0520; pp.2103-2106.

Poster: P3F068-05. Accurate Modeling of Capacitive Micromachined Ultrasonic Transducers in Pulse-echo Operation. (ID: 1091) [[Full Paper PDF](#)] [[Abstract](#)]

*Mujdat Balantekin (**), Levent Degertekin (*)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0521; pp.2107-2110.

Poster: P3F069-06. Analytically Calculating Membrane Displacement and the Equivalent Circuit Model of a Circular CMUT Cell. (ID: 1124) [[Full Paper PDF](#)] [[Abstract](#)]

*Ira Wygant (**), Mario Kupnik (*), Butrus Khuri-Yakub*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0522; pp.2111-2114.

Poster: P3F070-07. New Technique for Fabrication of High Frequency Piezoelectric Micromachined Ultrasonic Transducers. (ID: 242) [[Full Paper PDF](#)] [[Abstract](#)]

Thomas Pedersen (, **), Rasmus Lou-Moeller, Karsten Hansen, Tomasz Zawada, Erik V. Thomsen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0523; pp.2115-2118.

P3G. Material Characterisation and Fabrication Technology:

Chair: Qifa Zhou, *University of Southern California, CA, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P3G071-01. An improved Sandwich Dipole Transducer for High Temperature Environment. (ID: 427) [[Full Paper PDF](#)] [[Abstract](#)]

*Lin Zheng (**), Weijun Lin (*), Dong Wang, Jianguo Shen, Hailan Zhang, Xiuming Wang*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0524; pp.2119-2121.

Poster: P3G073-03. Effect of surface modification of titanium substrate by anodic oxidation on hydrothermally synthesized PZT poly-crystalline film. (ID: 487) [[Full Paper PDF](#)] [[Abstract](#)]

Takeyoshi Uchida (), Tsuneo Kikuchi, Takurou Murakami, Norimichi Kawashima, Shinichi Takeuchi (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0525; pp.2122-2125.

Poster: P3G074-04. Screen Printed Thick Film Based pMUT Arrays. (ID: 550) [[Full Paper PDF](#)] [[Abstract](#)]

Tobias Hedegaard (, **), Thomas Pedersen, Rasmus Lou-Moeller, Karsten Hansen, Tomasz Zawada, Erik V. Thomsen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0526; pp.2126-2129.

Poster: P3G075-05. Characterization of PZT ferroelectric thin films prepared by a modified sol-gel method. (ID: 775) [[Full Paper PDF](#)] [[Abstract](#)]

*Hang Guo (**), Daqun Bao, Yi Zhang*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0527; pp.2130-2133.

Poster: P3G077-07. Investigations on the effects of ultrasonic vibrations in the wire drawing. (ID:

37) [[Full Paper PDF](#)] [[Abstract](#)]

*Hai-qun QI (**), Jiang-bo Yuan, Tao Xie*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0528; pp.2134-2137.

Poster: **P3G078-08. Model-based Dynamic Characteristics Investigation of Ultrasonic Transducers for MEMS Packaging.** (ID: 356) [[Full Paper PDF](#)] [[Abstract](#)]

Fujun Wang (, **), Xingyu Zhao, Dawei Zhang, Yimin Wu*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0529; pp.2138-2141.

Poster: **P3G079-09. A design of ultrasonic compaction tools for metal powder magnetic core of motors.** (ID: 450) [[Full Paper PDF](#)] [[Abstract](#)]

Shinichi Kikuchi (, **), Daisuke Koyama, Kentaro Nakamura*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0530; pp.2142-2145.

P3H. Material Properties III:

Chair: Yook-Kong Yong, *Rutgers University, NJ, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3H080-01. Crystal Orientation and Stress in AC Reactively Sputtered AlN Films on Mo Electrodes for Electro-Acoustic Devices.** (ID: 69) [[Full Paper PDF](#)] [[Abstract](#)]

Valery Felmetzger (, **), Pavel Laptev, Shawn Tanner*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0531; pp.2146-2149.

Poster: **P3H081-02. High Temperature Elastic Constants of Langatate from RUS Measurements up to 1100&[deg]C.** (ID: 166) [[Full Paper PDF](#)] [[Abstract](#)]

Peter Davulis (), Amit Shyam, Edgar Lara-Curzio, Mauricio Pereira da Cunha (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0532; pp.2150-2153.

Poster: **P3H082-03. Investigation of high-pressure phase transitions in castor oil using SH surface acoustic waves.** (ID: 385) [[Full Paper PDF](#)] [[Abstract](#)]

*Piotr Kielczynski (**), Marek Szalewski, Aleksander Rostocki, Jan Gladysz*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0533; pp.2154-2157.

P3I. Bulk Wave Effects & Devices:

Chair: John D. Larson III, *Avago Technologies, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3I085-01. Optimal Electrode Shape and Size of Plate Thickness-Shear Mode Piezoelectric Resonators.** (ID: 32) [[Full Paper PDF](#)] [[Abstract](#)]

*Zengtao Yang, Shaohua Guo, Jiashi Yang (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0534; pp.2158-2160.

Poster: **P3I086-02. Reflection and refraction of bulk acoustic waves in piezoelectric crystals under the action of bias electric field and uniaxial pressure.** (ID: 222) [[Full Paper PDF](#)] [[Abstract](#)]

Boris Sorokin, Sergey Burkov (), Kirill Aleksandrov, Aleksey Karpovich (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0535; pp.2161-21264.

Poster: **P3I087-03. Wireless energy transmission through a thin metal wall by shear wave using two piezoelectric transducers.** (ID: 269) [[Full Paper PDF](#)] [[Abstract](#)]

*Hongping Hu, Yuantai Hu (**), Chuanyao Chen*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0536; pp.2165-2168.

Poster: **P3I088-04. ACOUSTIC RESONANCE SPECTROSCOPY OF NANOCERAMICS.** (ID: 985) [[Full Paper PDF](#)] [[Abstract](#)]

*Natalia Polzikova (**), Georgy Mansfeld, Sergey Alekseev, Iosif Kotelyanskii, Sergeev Fedor*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0537; pp.2169-2172.

Poster: **P3I089-05. The Analysis of the Third-order Thickness-shear Overtone Vibrations of Quartz Crystal Plates with Mindlin Plate Theory.** (ID: 986) [[Full Paper PDF](#)] [[Abstract](#)]

Ji Wang (, **), Rongxing Wu, Jianke Du, Huiming Wang*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0538; pp.2173-2176.

Poster: **P3I090-06. A Theoretical Time-Course Model of Acoustic Tweezers: Pulse-Wave Mode.** (ID: 956) [[Full Paper PDF](#)] [[Abstract](#)]

Shih-Tsung Kang (), Chih-Kuang Yeh (**)*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0539; pp.2177-2180.

P3J. BAW & MEMS Materials & Devices:

Chair: Dave Feld, *Avago Technologies, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: **P3J091-01. Piezoelectrically Actuated Micromechanical BAW Resonators.** (ID: 280) [[Full Paper PDF](#)] [[Abstract](#)]

Piia Rosenberg (, **), Antti Jaakkola, James Dekker, Arto Nurmela, Tuomas Pensala, Samuli Asvala, Tommi Riekkinen, Tomi Mattila, Ari Alastalo*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0540; pp.2181-2184.

Poster: **P3J092-02. Design of Computer Experiments: a powerful tool for the numerical design of BAW filters.** (ID: 300) [[Full Paper PDF](#)] [[Abstract](#)]

Alexandre Reinhardt (, **), Sylvain Giraud, François de Crecy, Stéphane Bila, Enrique Iborra, Marc Aid*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0541; pp.2185-2188.

Poster: **P3J093-03. BAW Resonators with Iridium Electrodes for Digital Wireless Transmissions.** (ID: 370) [[Full Paper PDF](#)] [[Abstract](#)]

Enrique Iborra (), Marta Clement, Jimena Olivares (**), Sheila González-Castilla, Jesus Sangrador, Nick Rimmer, Amit Rastogi, Brice Ivira, Alexandre Reinhardt*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0542; pp.2189-2192.

Poster: **P3J094-04. Spurious Vibration Suppression by Film Thickness Control for FBAR.** (ID: 502) [[Full Paper PDF](#)] [[Abstract](#)]

Shoichi Tanifuji (), Yuji Aota, Hiroshi Oguma, Suguru Kameda, Tadashi Takagi, Kazuo*

Tsubouchi (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0543; pp.2193-2196.

Poster: P3J095-05. AIN Film using Low Temperature MOCVD Process for FBAR. (ID: 584) [[Full Paper PDF](#)] [[Abstract](#)]

Yuji Aota (*), *Shoichi Tanifuji*, *Hiroshi Oguma*, *Suguru Kameda*, *Tadashi Takagi*, *Kazuo Tsubouchi* (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0544; pp.2197-2200.

Poster: P3J096-06. Lithium niobate surface structuration for phononic crystal fabrication. (ID: 710) [[Full Paper PDF](#)] [[Abstract](#)]

Sarah Benchabane (*, **), *Laurent Robert*, *Gwenn Ulliac*, *Samuel Queste*, *Abdelkrim Khelif*, *Vincent Laude*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0545; pp.2201-2204.

Poster: P3J097-07. Picosecond Ultrasonics: the preferred tool for BAW characterization. (ID: 737) [[Full Paper PDF](#)] [[Abstract](#)]

patrick emery (*), *Arnaud Devos* (**), *Pascal Ancey*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0546; pp.2205-2208.

Poster: P3J098-08. Wireless Temperature Sensing using a Passive RFID Tag with Film Bulk Acoustic Resonator. (ID: 773) [[Full Paper PDF](#)] [[Abstract](#)]

Jon Hong Lin (**), *Yao Huang Kao* (*)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0547; pp.2209-2212.

Poster: P3J099-09. Anchor limited Q in Flexural Mode Resonators. (ID: 1118) [[Full Paper PDF](#)] [[Abstract](#)]

Joshua Lee, *Jize Yan* (*), *Ashwin Seshia* (**)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0548; pp.2213-2216.

P3K. Thin-Film & Propagation:

Chair: Don Malocha, *University of Central Florida, FL, USA.*

Time: Wednesday, November 5, 2008 (3:00 p.m. - 4:30 p.m.); **Room:** 3rd Floor Foyer.

Poster: P3K100-01. Zero LSAW Propagation Loss in a SiO₂/Periodic Grating/LiTaO₃ Structure. (ID: 82) [[Full Paper PDF](#)] [[Abstract](#)]

Sergey Biryukov (*, **), *Manfred Weihnacht*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0549; pp.2217-2220.

Poster: P3K101-02. Propagation of the Anisimkin Jr.' Plate Modes in LiNbO₃ and Te Single Crystals. (ID: 153) [[Full Paper PDF](#)] [[Abstract](#)]

Yuri Gulyaev (*, **)

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0550; pp.2221-2224.

Poster: P3K102-03. Piezoelectric and elastic properties of SNGS and STGS single crystals at elevated temperatures. (ID: 328) [[Full Paper PDF](#)] [[Abstract](#)]

Andrei Sotnikov, *Hagen Schmidt* (**), *Konrad Suschke*, *Manfred Weihnacht*, *Margitta Hengst*,

Jens Götze

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0551; pp.2225-2228.

Poster: **P3K103-04. Leaky-SAW Properties on Reverse-Proton-Exchanged LiNbO₃.** (ID: 539) [[Full Paper PDF](#)] [[Abstract](#)]

Shoji Kakio (, **), Hidenori Shimizu, Yasuhiko Nakagawa*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0552; pp.2229-2232.

Poster: **P3K104-05. Application of Compound Matrices to the Study of SAW and PSAW Propagation in Layered Structures.** (ID: 565) [[Full Paper PDF](#)] [[Abstract](#)]

V.I. Fedosov, Y. V. Gulyaev, I. I. Chusov, M. Benetti, D. Cannatà (, **), F. Di Pietrantonio, E. Verona*

Digital Object Identifier (DOI): 10.1109/ULTSYM.2008.0553; pp.2233-2236.

Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS

Appendix R:

Agreement - CICCST Services and Fees for 2008 IEEE IUS

April 19, 2006:

Services and Fees of CICCST for 2008 IEEE IUS Conference

(From Dr. Jian-yu Lu, General Chair)

Name of Conference: 2008 IEEE International Ultrasonics Symposium (IUS).

Conference Organizer: IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society (Short for: [IEEE UFFC-S](#)).

Dates of Conference: [November 1-2, 2008](#) (small committee meetings start) and [November 3-5, 2008](#) (main conference) (see [TABLE III](#) below for details)

Location of Conference: Beijing, China.

Conference Venue Availability: Olympics will be from [August 8-24, 2008](#), and Paralympics will be from [September 6-17, 2008](#).

Thus, there will be venues available in Beijing after September 17, 2008. The new constructions and improvement in transportation and services are a plus.

US Dollar and Chinese Yuan exchange rate: [8.07](#) Chinese Yuan = 1.0 USD (from July, 2005) - All calculations are based on this rate [automatically](#).

Note: Chinese Yuan is now narrowly floating with a bucket of foreign currencies and the rate above may have been changed slightly.

Contract Requirements:

- (1) All the price quotes and contracts are in [Chinese Yuan](#) with the rate of [8.07](#) Chinese Yuan for 1 USD.
If the rate is changed by year 2008, the amount in USD will be adjusted accordingly.
I.e., the contract is developed based on Chinese Yuan listed in this spreadsheet and USD will float according to the exchange rate in 2008.
- (2) For conference rooms and spaces from Beijing International Conference Center ([BICC](#)), we need the following:
 - (a) Individual rooms and spaces listed in [TABLE III](#) below should be guaranteed.
 - (b) During the [3 days \(Monday, Tuesday, and Wednesday\)](#) of the [main](#) conference, the [entire 2nd floor](#) of [BICC](#) should be used solely by IEEE UFFC-S, [except the Convention Hall #1 that is allowed to be used by other parties during the vacant time slot](#).
- (3) The prices with [BICC](#) for the [conference rooms](#) (see [Item A1](#) in [TABLE II](#)) and standard [guest rooms](#) (see [Item \(9\)](#) in [TABLE I](#)) should [not](#) exceed [10%](#) of the prices in this spreadsheet for 2008.
- (4) Availability of [BICC](#) should be guaranteed ([the potential usage of BICC for Olympic journalists is expected to finish soon after September 17, the last day of Paralympics - journalists are busy and we expect that they will not stay after events are over](#)).
- (5) Quality of services from CICCST should be guaranteed.

Contact for IEEE UFFC-S:

Dr. Jian-yu Lu
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Sales Manager, Sales & Marketing Department
No. 8 Beichendong Road
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Beijing 100101, China

TABLE I. CICCST Responsibilities and Fees:

CICCST Services and Fees (No Hidden Fees Should Be Allowed):	CICCST Prices (Chinese Yuan) - Fixed	CICCST Prices (USD) - Float	Notes
(1) CICCST Service Fees (For the Following Tasks): (a) Negotiate prices and sign contract with BICC for conference rooms and guest rooms in Item A1 of TABLE II below (with approval of UFFC-S) and Item (9) of TABLE I . (Please notice that some committee meetings will begin on November 1, 2008 before the main conference.) (b) Negotiate prices and sign contracts for Items C to D in TABLE II below (with approval of UFFC-S). (c) Do the services as follows in this table (see TABLE I for Items (2) - (9)).	xxxxx	\$xxxxx	
(2) Registration, Signage, Speaker Preparation, and Manage Chinese Currency Bank Account: Note: The time and days for the registration are in TABLE III below. (a) 5 Chinese persons for 4 days and 1 night for registration (additional persons should be provided as detailed below): (i) The list of registrants of the advanced registration will be provided to CICCST within two weeks after the deadline of advanced registration, i.e., before September 26, 2008 . (ii) CICCST will provide about 1600 transparent plastic badge envelopes so that registrants can place their name tag inserts into the envelopes. (iii) CICCST will print out name tags and tickets for all the registrants of the advanced registration and arrange them for attendees to pick up after the registration desk open. (Tickets for 2 free drinks of each registered attendee will be provided. See C1 in TABLE II below.) (iv) CICCST will do on-site registration for all attendees who do not have advanced registration. CICCST will print out name tags and tickets for these attendees also. The items in the registration roughly include (different registrations need to have different badges): (-1-) Registration fees (IEEE member, non-member, student, life member, one-day registration) (-2-) Additional proceeding CD order (-3-) Short Courses (member/non-member, student/retiree) (-4-) Guest registration (-5-) Three guest tours (-6-) Tuesday evening social event tickets (see C2 in TABLE II below), etc.	xxxxx	\$xxxxx	

- (v) CICCST will provide tickets for all registered attendees for the Monday noon table lunch. This allows CICCST know the exact number of attendees for the lunch and then forward the information to UFFC-S by November 5, 2008 for payment. (See D1 in TABLE II below.) This will also allow CICCST know number of vegetarians and non-vegetarians and print different tickets for each. (Servers could give different foods according to different tickets.) (A clear sign should be posted by CICCST outside of the room to let people know tickets are required for lunch.)
- (vi) CICCST will provide additional persons to check the badges for attendees who attend the five conference sessions as detailed in a note of A2 of TABLE II below. CICCST will also check badges and tickets for three parallel short courses sessions on Sunday in three rooms shown in TABLE III below, Monday noon lunch in D1 of TABLE II below, Monday evening Buffet Dinner Party in C1 of TABLE II below, Tuesday evening Social Event in C2 of TABLE II below.
- (vii) CICCST will make a good database for the on-site registration and be able to provide real-time feedback of registration status to UFFC-S during registration days. (Past experience indicated that on-site registration can be as many as 200-300 people.)
- (viii) CICCST will distribute password of wireless internet to all attendees (see B3 of TABLE II below) if applicable.
- (ix) One of the persons in the registration desk should be designated as a poster coordinator. This person will arrange the spacing between the boards (3m between rows of posters will be ideal) from time to time so that the boards will not be too close. This person will also supply fasteners to poster presenters.
- (b) Rent registration booth from BICC.
- (i) Size: At least 7.5m X 3m.
- (ii) Number of Counters: 4. (They work in parallel to reduce line length. For example, arrange pickup according to the first letter range of last name in different counters.)
- (iii) Equipment rented for registration (computer, printer, internet, fax machine, and other necessities).
- (iv) Provide copy, printing, and fax services for attendees if BICC allows. Otherwise, arrange with BICC business center to provide these services to attendees.
- (c) Make signage to guide attendees to find registration booths after entering BICC on Saturday.
- (d) Make signage to guide attendees to find Monday lunch place.
- (e) Make signage to guide attendees to find Monday evening buffet dinner.
- (f) Make signage to guide attendees to find Tuesday evening social event place.
- (g) Make signage according to the Advanced Program Booklet (see "(4) in TABLE I" below) for Sunday short courses.
- (i) Size: About 60 cm x 60 cm on about 2 mm thick white cardboard placed in front of the rooms.
- (ii) Font: Arial or equivalent.
- (iii) Font Size: 36 pts or larger.
- (iv) Items on the Signage for Short Courses:
- (-1-) Short course title.
- (-2-) Short course instructor's name.
- (-3-) Short course instructor's affiliation.
- (-4-) Short course room #.
- (-5-) Short course time.
- (h) Make signage according to the Advanced Program Booklet (see "(4) in TABLE I" below) for each session of oral presentation.
- (i) Size: About 60 cm x 60 cm on about 2 mm thick white cardboard placed in front of the rooms.
- (ii) Font: Arial or equivalent.
- (iii) Font Size: 36 pts or larger.
- (iv) Items on the Signage for Oral Presentations:
- (-1-) Session ID.
- (-2-) Session Title.
- (-3-) Session chair's name.
- (-4-) Session room #.
- (-5-) Session time.
- (-6-) List all the paper IDs and titles in each session.
- (i) Make signage according to the Advanced Program Booklet (see "(4) in TABLE I" below) for each poster presentation.
- (i) Size: About 20 cm x 15 cm on regular white copying paper.
- (ii) Font: Arial or equivalent.
- (iii) Font Size: 72 pts or larger.
- (iv) Items on the Signage for Poster Presentations:
- (-1-) Paper ID.
- (-2-) Post the sheet on the upper left corner of each poster board slot sequentially each day before 8:00 a.m.
- (-3-) Add an additional sign for invited poster with the letter "Invited" (less than 20 invited papers).
- (j) Make additional signages for each committee meeting before the meeting start (see TABLE III below). (Detailed list of the committee meetings will be provided to CICCST before September 12, 2008.)
- (k) Put up signage for the conference and for each meeting session before it starts (including short courses). (See TABLE III below.)
- (l) 1 Chinese person for 3 days in the speaker preparation room.
- (m) At beginning of the day, put 6 copies of "Session Summary Forms" on the podium for session chairs to fill out in the following 5 rooms shown in TABLE III below from November 3-5, 2008 (3 days):
- (i) Convention Hall #2
- (ii) Convention Hall #6-7-8
- (iii) Convention Hall #17A
- (iv) Convention Hall #17B
- (v) Convention Hall #17C
- In addition, put about 150 copies of the "Session Summary Forms" on the registration desk for session chairs from poster sessions to fill out. The completed forms will be collected by CICCST and then delivered to UFFC-S at the end of the conference.
- Note: An electronic version of the one-page "Session Summary Forms" will be sent to CICCST before September 26, 2008 and CICCST will make a total of 250 copies on yellow colored sheets before the meeting starts on November 3, 2008.
- (n) Manage Chinese currency account:
- (i) Open a Chinese account and handle Chinese currency and US Dollar.
- (ii) Transfer money of UFFC-S from Chinese bank account to a USA bank account and vice versa.
- (iii) On-site registrants are allowed to pay in Chinese Yuan or US Dollar with credit cards, cash, etc.
- (iv) Handle all other necessary functions to ensure conference need of Chinese Yuan.

(3) Poster Board Rental (3 days - Monday, Tuesday, and Wednesday):

- (a) Quantity: 70.

xxxxx

\$xxxxx

<p>(b) Board must be double sided (both sides can be used).</p> <p>(c) Size: About 2.5m (width) X 1.5m (height) on each side.</p> <p>(d) Each board should be raised at least 1m from the floor and is placed horizontally, i.e., 2.5m is the width and 1m is the height of the board with 1m spacing between the board and the floor.</p> <p>(e) Boards must be laid out according to UFFC-S in the foyer areas of both 2nd floor and Hall #17.</p> <p>(f) Prepare adequate poster fixing tape or appropriate materials available to poster presenters.</p> <p>We will have posters from November 3-5, 2008 (3 days), see TABLE III below.</p> <p>(g) Let UFFC-S know before June 13, 2008 what type of poster fasteners will be provided or allowed that will not damage poster boards so that we can let attendees know in advance.</p> <p>(h) If there is any change on the number of poster boards, UFFC-S will notify CICCST before September 12, 2008.</p>		
<p>• (4) Printing:</p> <p>(a) Advance Program Booklet (4 inch by 9 inch, about 100 pages) - 1100 copies.</p> <p>(b) Abstract Book (5.5 inch by 8.5 inch, about 600 pages) - 1100 copies.</p> <p>Note: (i) Electronic files (such as PDF files) will be transferred before August 15, 2008 to CICCST from UFFC-S for printing.</p> <p>(ii) The quality of the printing should be at least the same as the samples sent to Mr. Xu on August 29, 2005.</p> <p>(iii) The printed books must be available the day the registration starts.</p>	xxxxx	\$xxxxx
<p>• (5) Arrange for Photographer:</p> <p>(a) Time: 3 hours on Monday (November 3, 2008) from 8:00 a.m. to 11:00 a.m. (the first day of the conference).</p> <p>(b) Take pictures of awards, speakers, and other activities in the opening session.</p> <p>(c) Take pictures of exhibition and conference attendees.</p> <p>(d) Provide pictures on CD ROM (2 copies) to the UFFC-S before November 5, 2008.</p>	xxxxx	\$xxxxx
<p>• (6) Visa Paperwork:</p> <p>(a) Provide UFFC-S a web link by February 1, 2008 so that attendees can link from the UFFC website to CICCST website to provide all necessary information to get letter for visa application (instructions and secure on-line registration should be available on web). Attendees will then provide full name, nationality, passport #, email, visa location, and mailing address to CICCST via the secure web link. The web link will close the service after October 31, 2008.</p> <p>(b) CICCST will send invitation letters to the individuals directly.</p> <p>(c) CICCST should provide its contacts (phone, fax, email, etc) to UFFC-S so that all inquiries on status of letters can be redirected to CICCST by February 1, 2008.</p> <p>(d) CICCST should have a database to avoid duplicate requests (such as same passport # from the same country).</p> <p>(e) CICCST should provide the database (spreadsheet) of letter requesters to UFFC-S for payment by November 5, 2008 (Information includes: full name, nationality, passport #, email, and visa location with no duplicate entries.) (Need in an electronic form such as a Microsoft Excel file.)</p>	xxxxx	\$xxxxx
<p>• (7) Attract Exhibitors and Arrange Exhibition (Monday-Wednesday, but exhibitors will setup on Sunday):</p> <p>(a) The exhibition registration fee will be \$1,100 for new and \$1,000 for those exhibited in the past two years.</p> <p>(b) If the total registration fee from the exhibition is larger than all the expenses of the exhibition and has a surplus, CICCST will get 50% of the surplus.</p> <p>(c) Take care of exhibitor registrations (including registration fee handling) and all paper work.</p> <p>(d) Clear Chinese Custom for exhibition equipment.</p> <p>(e) Help exhibitors to ship equipment.</p> <p>(f) Arrange booths for exhibitors (see minimum requirements below) (accommodate around 20 booths):</p> <p>(i) At least 3m X 3m in size per booth.</p> <p>(ii) Booths will be draped with cloth (allow exhibitors to post promotion materials, etc).</p> <p>(iii) Each booth has 1 waste basket, 1. 2mX0.8m table draped with cloth, 2 chairs, and 1 signage. (Standard cloth to cover tables and exhibitors' feet.)</p> <p>(iv) Exhibitor will pay additional for electricity, lighting, and 220V to 110V converters.</p> <p>(v) Exhibition time is for 3 days and details are in TABLE III below).</p> <p>(g) Provide UFFC-S a web link by February 1, 2008 so that prospective exhibitors can link from our website to CICCST website to register for exhibitions (all the instructions, information, procedures, and secure on-line registration should be available on web).</p> <p>(h) The deadline for exhibition registration will be October 31, 2008. However, to guarantee to have exhibitors' names to appear in the Advanced Program Booklet, exhibitors should register before July 15, 2008.</p> <p>(i) The expenses for 20 exhibitors should not exceed \$xx,xxx. I.e., <\$xxx per exhibitor.</p> <p>(j) The exhibition of the IEEE UFFC-S is free (this is our own exhibition and it will not pay registration fee).</p> <p>(k) Exhibitors will have a different badge and are not allowed to attend the technical sessions without registering for the conference separately.</p> <p>(l) CICCST should provide a clear record of the income and expenses of exhibition to UFFC-S by November 5, 2008 so that surplus can be shared with UFFC-S. (Need in an electronic form such as a Microsoft Excel file.)</p>	0	\$0
<p>• (8) Attract and Arrange Guests for Tours (Guest Tours During Conference, and Pre- and Post-Conference Tours):</p> <p>(a) If the income from the guest tours is larger than all the expenses, i.e., having a surplus, CICCST will keep 80% of the surplus of the tours.</p> <p>(b) Either CICCST or UFFC-S can cancel the tours if there are not enough participants.</p> <p>(c) There will be three tours during the conference (Monday, Tuesday, and Wednesday, 9:30 a.m.-4:00 p.m. including lunches).</p> <p>(d) CICCST must arrange the three guest tours and provide information of the tours such as costs per tour, tour arrangement, and tour content details before the advance registration open date so that attendees could register. The advance registration open date will be: February 1, 2008.</p> <p>(e) CICCST should provide a clear record of the income and expenses of the three tours to UFFC-S by November 5, 2008 so that surplus can be shared with UFFC-S. (Need in an electronic form such as a Microsoft Excel file.)</p> <p>(f) Collect pre- and post-conference tours web links to UFFC-S and/or arrange some tours independent of UFFC-S. Information should be provided before February 1, 2008.</p>	0	\$0
<p>• (9) Guest Room Price Negotiation with BICC (guest may stay: October 31 to November 8, 2008):</p> <p>(a) Negotiate the best standard guest room price for the Continental Grand Hotel for about 600 rooms (The June 2004 price for a 4-star room was about \$85/night including breakfast and tax. The hotel has the highest price between September 1 and October 31).</p> <p>(b) Provide UFFC-S a web link by February 1, 2008 so that attendees can link from our website to CICCST website to book the Continental Grand Hotel (all the instructions, information, and secure on-line booking should be available on web).</p> <p>(c) Also provide a list of nearby hotel and apartment room rates (prices, distances, and web links)</p>	xxxxx	\$xxxxx

- to UFFC-S by [February 1, 2008](#). - For information only.
 (d) Also provide [nearby dining and shopping](#) facilities (prices, distances, we blinks, and star-levels, etc.) to UFFC-S by [February 1, 2008](#). - For information only.
 (e) The availability of rooms and the rate need only be guaranteed until [September 30, 2008](#).

TABLE I Total (CICCST Fixed-Fee Costs):

0

\$0

This is an Automatic Sum

TABLE II. More CICCST Service Items:

More CICCST Services and Fees (No Hidden Fees Should Be Allowed):						CICCST Prices (Chinese Yuan) - Fixed	CICCST Prices (USD) - Float	Notes
A. Rooms & Audio/Visual: \$0 (USD) - CICCST Price						xxxxxx	\$xxxxxx	
A1. Conference Rooms and Spaces at BICC (See TABLE III below):								
	Usage (# of Units)	Unit	Unit Price (Chinese Yuan)	Total (Chinese Yuan)	Total (USD)			
(1) Conv. Hall #1:	3	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(2) Conv. Hall #2:	6	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(3) Conv. Hall #6+7+8:	6	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(4) Conv. Hall #13:	5	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(5) Conv. Hall #14:	3	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(6) Conv. Hall #15:	5	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(7) Conv. Hall #16A:	12	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(8) Conv. Hall #16B:	11	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(9) Conv. Hall #16C:	10	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(10) Conv. Hall #17A:	6	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(11) Conv. Hall #17B:	6	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(12) Conv. Hall #17C:	6	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(13) Foyer of 2nd Floor & Foyer of Conv. Hall #17:	800	m2 (3 days)	xxxxxx	xxxxxx	\$xxxxxx			
Total:			0	\$0				
Note: Registration booth rental fees should be included in this price.								
Note: If there is any change on the conference room usage , UFFC-S will notify CICCST before September 12, 2008 .								
A2. Audio/Visual (A/V) at BICC (See TABLE III below):						xxxxxx	\$xxxxxx	
Notes for A/V:								
(1) "A/V: Yes(1)" - means 1 computer LCD projector, 1 laser pointer, 1 wireless microphone, 1 mobile sound system (including 2 microphones), 1 overhead projector (including screen), 1 slide projector (including screen).								
(2) "A/V: Yes(2)" - The same as "A/V: Yes(1)" except that 2 computer LCD projectors are needed because the room is bigger. The two projectors should be linked to the same video signal . I.e., both projectors display the same contents.								
(3) "A/V: Yes(3)" - means 1 computer LCD projector (1 screen included), 1 laser pointer.								
(4) "A/V: Yes(4)" - means 1 computer LCD projector (1 screen included), 2 slide projectors.								
(5) "A/V: No" - means no A/V equipment is needed.								
(6) Note: All computer projectors in "A/V Yes(1)" to "A/V Yes(4)" above should have a resolution at least 1024x768 pixels and sufficient brightness for the room (1700 lumen for smaller room and >=2000 lumen for big room). A big room needs a bigger screen (for example, 5m x 4m).								
(7) Note: A/V should include 5 projectionists to help resolve problems and check people's badges from November 3-5, 2008 (3 days) for the following 5 rooms: (i) Convention Hall #2; (ii) Convention Hall #6-7-8; (iii) Convention Hall #17A; (iv) Convention Hall #17B; (v) Convention Hall #17C.								
(8) Note: A total of 5 video switches (4-port) should be provided from November 3-5, 2008 (3 days) for the following 5 rooms: (i) Convention Hall #2; (ii) Convention Hall #6-7-8; (iii) Convention Hall #17A; (iv) Convention Hall #17B; (v) Convention Hall #17C.								
(9) Note: A total of 5 timers should be provided from November 3-5, 2008 (3 days) for the following 5 rooms: (i) Convention Hall #2; (ii) Convention Hall #6-7-8; (iii) Convention Hall #17A; (iv) Convention Hall #17B; (v) Convention Hall #17C.								
(10) Note: A total of 5 longer video cables should be connected to podiums from November 3-5, 2008 (3 days) for the following 5 rooms: (i) Convention Hall #2; (ii) Convention Hall #6-7-8; (iii) Convention Hall #17A; (iv) Convention Hall #17B; (v) Convention Hall #17C.								
(11) Note: A total of 6 office computers (with DVD ROM drives) should be provided from November 3-5, 2008 (3 days) for the following six rooms (see TABLE III below for time schedule): (i) Convention Hall #2; (ii) Convention Hall #6-7-8; (iii) Convention Hall #17A; (iv) Convention Hall #17B; (v) Convention Hall #17C; (vi) Convention Hall #15 (for speaker ready room) .								
(12) Note: If there is any change on the A/V requirements , UFFC-S will notify CICCST before September 12, 2008 .								
	Usage	Unit	Unit Price (Chinese Yuan)	Total (Chinese Yuan)	Total (USD)			
(1) "A/V: Yes(1)"	39	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(2) "A/V: Yes(2)"	1	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(3) "A/V: Yes(3)"	10	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
(4) "A/V: Yes(4)"	6	Half Day	xxxxxx	xxxxxx	\$xxxxxx			
Total:			0	\$0				
B. Conference Services: \$0 (USD) - CICCST Price						xxxxxx	\$xxxxxx	
B1. Coffee Breaks:								
(1) 2 coffee breaks per day during the 3 day conference (Monday, Tuesday, and Wednesday). 2 service stations per coffee break for 800 persons in total.								
(2) 2 coffee breaks for short courses for 350 persons (Sunday only).								
B2. Security Services:								
(1) 24 hour security services for 4 days (Sunday, Monday, Tuesday, and Wednesday).								
(2) Secure exhibition items.								

(3) Secure registration booth items. (4) Secure the entire conference. (5) Security services will be provided by BICC and cost of this item should already been included in A1 of TABLE II above. (6) Security services should be an item clearly listed in the contract with BICC. (7) If BICC fails to provide the required security services, CICCST will be responsible and will provide such services at no cost to UFFC-S.	xxxxx	\$xxxxx	
B3. Internet café: (1) Rent 3 networked computers, 1 wireless transmitter, and 7 Ethernet connectors for laptop users for 3 days. (Monday, Tuesday, and Wednesday) (see Convention Hall #13 below in TABLE III) (2) 1 Chinese staff on duty for 3 days. (3) Rent additional 1 wireless transmitter in the foyer of 2nd floor where the conference will be held. If password is required, the password should be given to the attendees when they register.	xxxxx	\$xxxxx	
C. Social Events: \$0 (USD) - CICCST Price C1. Buffet Dinner Party in Monday Evening: (1) 1000 persons. (2) Chinese-style buffet, with 2 free wines or soft drinks per person (attendees pay for additional drinks). (3) Including music and a small music performing band to add fun to the party (other fun stuff is welcome and can be suggested by CICCST). (3) Open bar stations will be provided for people to get free drinks with tickets or buy additional drinks. Note: Please provide preliminary menu for us to choose items for contract development. Note: CICCST should provide buffet menu to UFFC-S no later than September 19, 2008 for final selection. The quality of food items should conform to the conventional business standard of BICC.	xxxxx	\$xxxxx	
C2. Social Event in Tuesday Evening: (1) 400 persons. (2) The social event will be in the Conventional Hall #1 with at least the following programs. (i) Chinese lion dancing (joyful celebration). (ii) Soft acrobat. (iii) Group martial arts. (iv) Sichun drama with face changes. (v) Magic. (vi) Messing up heaven by a beautiful Chinese legend monkey - Beijing opera. (3) The duration of the social event is shown in TABLE III below. (4) The social event includes a formal Chinese-Style Dinner. Note: Please provide preliminary menu for us to choose items for contract development. Note: CICCST should provide dinner menu to UFFC-S no later than September 19, 2008 for final selection. The quality of food items should conform to the conventional business standard of BICC.	xxxxx	\$xxxxx	
D. Meals: \$0 (USD) - CICCST Price D1. One Formal Sitdown Table Lunch: (1) Chinese-style formal sitdown table lunch for 900-1000 persons with \$xxxxx/person (Monday only). (2) BICC should provide the eating tables and space. (3) The lunch should accommodate different food requirements (some don't eat meat, some don't eat chicken, etc.) - This information should be provided during registration (vegetarian and non-vegetarian). Note: Please provide preliminary menu for us to choose items for contract development. Note: CICCST should provide dinner menu to UFFC-S no later than September 19, 2008 for final selection. The quality of food items should conform to the conventional business standard of BICC. Note: CICCST should either have dedicated persons or servers to collect lunch tickets from attendees.	xxxxx	\$xxxxx	
D2. Meals for AdCom Meeting: (1) 60 persons. (2) Continental breakfast (Sunday). (3) Formal table lunch (Sunday). (4) Chinese-style formal dinner (including a reception, i.e., open bar) (Sunday). Note: Please provide preliminary menus for us to choose items for contract development. Note: CICCST should provide food menus to UFFC-S no later than September 19, 2008 for final selection. The quality of food items should conform to the conventional business standard of BICC.	xxxxx	\$xxxxx	
D3. Meals for Committee Meetings, Other Small Meetings, and Guest Breakfasts: (1) Committee meetings (breakfasts and lunches) and Guest Breakfasts (Monday, Tuesday, and Wednesday): (i) Assume 20 persons in average in each meal for 3 days in the following (total 12 meals below). (a) Continental breakfasts (exhibit, three guest breakfasts, and others) (in 2 rooms each day). (b) If there is a student breakfast, it will be a formal one (sit-down with services). (c) Table lunches (nominations, awards, AE, web committee, pass the baton, etc.) (in 2 rooms each day). (2) First TPC reception (on the foyer of 2 nd floor on Wednesday from 6:00p.m.-7:00p.m): (i) 70 persons. (ii) Finger foods and drinks. (3) Presidential reception on Monday (from 5:30p.m.-6:30p.m): (i) 100 persons. (ii) Finger foods and drinks. (4) One student reception and continental breakfast (date to be determined): (i) 100 persons. Note: Details such as number of committee meetings, number of people in each meeting, and food requirements of the committee meetings will be provided to CICCST before September 12, 2008. Note: Please provide preliminary menus for us to choose items for contract development. Note: CICCST should provide food menus to UFFC-S no later than September 19, 2008 for final selection. The quality of food items should be conformed to the conventional business standard of BICC.	xxxxx	\$xxxxx	
TABLE II Total (Items A to D):	0	\$0	Auto Sum
TABLE I and TABLE II Total:	0	\$0	Auto Sum
5.5% Government Tax (TABLE I and TABLE II):	0	\$0	
Grand Total:	0	\$0	Auto Sum

CICCST should not have any hidden costs other than the costs listed above and totaled in this row.

TABLE III. Rooms and Spaces and Their Time of Uses (Costs below are calculated according to the list prices given to us from BICC by Mr. Jun Peng in June 2004 - for reference only):

#	Meeting Activities	Meeting Rooms or Spaces	Saturday, November 1, 2008	List Prices (Chinese Yuan)	Sunday, November 2, 2008	List Prices (Chinese Yuan)	Monday, November 3, 2008	List Prices (Chinese Yuan)	Tuesday, November 4, 2008	List Prices (Chinese Yuan)	Wednesday, November 5, 2008	List Prices (Chinese Yuan)	Room Costs (Chinese Yuan)	A/V Costs (Chinese Yuan)	Total Costs
1	Parallel Session I (>260m2) -350	Convention Hall #3 (old #2) (722m2) - 596 Persons					10:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		0	0	
							1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		0	0	
2	Parallel Session II (>260m2) -350	Convention Hall #201A+#201B+ #201C (old #6+#7+#8) (450m2) - 350 Persons					10:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		0	0	
							1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		0	0	
3	Parallel Session III (>260m2) -350	Convention Hall #2A (old #17A) (366m2) - 333 Persons					10:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		0	0	
							1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		0	0	
4	Parallel Session IV (>170m2) -200	Convention Hall #2B/D (old #17B) (366m2) - 333 Persons					10:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		0	0	
							1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		0	0	
5	Parallel Session V (>170m2) -200	Convention Hall #2C/E (old #17C) (366m2) - 333 Persons					10:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		0	0	
							1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		0	0	
5a	Parallel Session VI (>460m2) -350	Convention Hall #305A+#305B+ #305C (old #10+#11+#12) (450m2) - 350 Persons					10:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		8:30 a.m. – 12:00 noon A/V: Yes(1)		0	0	
							1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		1:30 p.m. – 6:00 p.m. A/V: Yes(1)		0	0	
6	Opening Session (>700m2) - >1000	Convention Hall #1 (old #1) (1900m2) - 1750 Persons					8:00 a.m. – 10:00 a.m. A/V: Yes(2)						0	0	
	Formal Sit-Down Lunch (>700m2) - >1000						12:00 noon - 2:00 p.m. A/V: No						0	0	
	Buffet Dinner Party (>700m2) - >1000						6:30 p.m. – 10:00 p.m. A/V: No						0	0	
													0	0	
7	Social Event (Dinner/Show) (>700m2) - >1000	Convention Hall #1 (old #1) (1900m2) - 1750 Persons							6:30 p.m. – 10:00 p.m. A/V: No				0	0	
8	Coffee Breaks (The same area as registration, poster, and exhibits)	Foyer of 2 nd and 3 rd Floors (1500m2)					10:00 a.m. – 10:30 a.m. A/V: No		10:00 a.m. – 10:30 a.m. A/V: No		10:00 a.m. – 10:30 a.m. A/V: No		0	0	
							3:00 p.m. – 3:30 p.m. A/V: No		3:00 p.m. – 3:30 p.m. A/V: No		3:00 p.m. – 3:30 p.m. A/V: No		0	0	
	First TPC Reception (The same area as registration, poster, and exhibits) - 70										6:00 p.m. – 7:00 p.m. A/V: Yes(3)		0	0	
													0	0	
9	Posters (84 boards)	Foyer of 2 nd and 3 rd Floors (1500m2)					8:00 a.m. – 6:30 p.m. A/V: No		8:00 a.m. – 6:30 p.m. A/V: No		8:00 a.m. – 6:30 p.m. A/V: No		0	0	
10	Exhibits (21 Max, with 3m x 3m each booth)	Foyer of 2 nd and 3 rd Floors (1500m2)			Exhibitors will need to setup from 8:00 a.m.-5:00 p.m.		8:00 a.m. – 5:00 p.m. A/V: No		8:00 a.m. – 5:00 p.m. A/V: No		8:00 a.m. – 12:00 a.m. A/V: No		0	0	

11	Registration Booth (10m X 3m) + Waiting Space (10m X 10m), with 10 Tables for Laptops	Foyer of 2nd and 3rd Floors (1500m2)	6:00 p.m. - 9:00 p.m.		7:00 a.m. - 7:00 p.m.		7:00 a.m. - 6:00 p.m.		7:00 a.m. - 5:30 p.m.		7:00 a.m. - 1:00 p.m.		0		
			A/V: No		A/V: No		A/V: No		A/V: No		A/V: No			0	
12	AdCom Continental Breakfast (>70m2) AdCom Meeting (>70m2) Note: AdCom Need Refreshments Internet Café (>35m2) - 10	Convention Hall #303 (old #13) (80m2) - 80 Persons			7:30 a.m. - 8:30 a.m.		8:00 a.m. - 12:00 noon		8:00 a.m. - 12:00 noon		8:00 a.m. - 12:00 noon		0		
					A/V: No		A/V: No		A/V: No		A/V: No			0	
					8:30 a.m. - 12:00 noon		1:00 p.m. - 5:00 p.m.		1:00 p.m. - 5:00 p.m.		1:00 p.m. - 5:00 p.m.		0		
					A/V: Yes(3)		A/V: No		A/V: No		A/V: No			0	
					1:00 p.m. - 5:30 p.m.								0		
					A/V: Yes(3)									0	
13	AdCom Lunch (>70m2) Speaker Ready (>35m2) - 5	Convention Hall #310 (old #15) (80m2) - 80 Persons	2:00 p.m. - 5:00 p.m.		12:00 noon - 1:30 p.m.		7:30 a.m. - 5:00 p.m.		7:30 a.m. - 5:00 p.m.		7:30 a.m. - 5:00 p.m.		0		
			A/V: Yes(4)		A/V: No		A/V: Yes(4)		A/V: Yes(4)		A/V: Yes(4)			0	
			(added 1/20/08)										0		
													0		
14	Short Course Coffee Breaks (>70m2) - 350	Foyer of 3rd Floor (Changed 01/20/08)			10:00 a.m. - 10:20 a.m.								0		
					A/V: No									0	
					3:00 p.m. - 3:20 p.m.								0		
					A/V: No									0	
					8:00 p.m. - 8:20 p.m.								0		
					A/V: No									0	
14	Exhibitors' Locker Room for Valuable Items	Convention Hall #302 (old #14) (60m2) - (Changed 01/20/08)			24 Hours		24 Hours		24 Hours		24 Hours		0		
					A/V: No		A/V: No		A/V: No		A/V: No			0	
15	Short Course I (>80m2) - 40 Ultrasound Committee (>50m2) - 15 Committee Meeting I (>70m2) - 50 Presidential Reception (>70m2) - 100 First TPC Meeting and Break Outs (>80m2) - 70	Convention Hall #311A (old #16A) (80m2) - Classroom Style for Short Course Only, 60 Persons	4:00 p.m. - 6:30 p.m.		8:00 a.m. - 12:00 noon		7:30 a.m. - 9:00 a.m.		7:30 a.m. - 9:00 a.m.		7:30 a.m. - 9:00 a.m.		0		
			A/V: Yes(3)		A/V: Yes(1)		A/V: Yes(3)		A/V: Yes(3)		A/V: Yes(3)			0	
					1:00 p.m. - 5:00 p.m.		12:00 noon - 2:00 p.m.		12:00 noon - 2:00 p.m.		12:00 noon - 2:00 p.m.		0		
					A/V: Yes(1)		A/V: Yes(3)		A/V: Yes(3)		A/V: Yes(3)			0	
					6:00 p.m. - 10:00 p.m.		5:30 p.m. - 6:30 p.m.				7:00 p.m. - 8:30 p.m.		0		
					A/V: Yes(1)		A/V: No				A/V: No			0	
16	Short Course I (>80m2) - 40 Reserved Committee (>50m2) - 15 Committee Meeting II (>70m2) - 50 Presidential Reception (>70m2) - 100 First TPC Meeting and Break Outs (>80m2) - 70	Convention Hall #311B (old #16B) (80m2) - Classroom Style for Short Course Only, 60 Persons	4:00 p.m. - 6:30 p.m.		8:00 a.m. - 12:00 noon		7:30 a.m. - 9:00 a.m.		7:30 a.m. - 9:00 a.m.		7:30 a.m. - 9:00 a.m.		0		
			A/V: No		A/V: Yes(1)		A/V: No		A/V: No		A/V: No			0	
					1:00 p.m. - 5:00 p.m.		12:00 noon - 2:00 p.m.		12:00 noon - 2:00 p.m.		12:00 noon - 2:00 p.m.		0		
					A/V: Yes(1)		A/V: No		A/V: No		A/V: No			0	
					6:00 p.m. - 10:00 p.m.		5:30 p.m. - 6:30 p.m. (Added 01/20/08)				7:00 p.m. - 8:30 p.m.		0		
					A/V: Yes(1)		A/V: No				A/V: No			0	
17	Short Course II (>80m2) - 60 Committee Meeting III (>70m2) - 50	Convention Hall #311C (old #16C) (80m2) -			8:00 a.m. - 12:00 noon		7:30 a.m. - 9:00 a.m.		7:30 a.m. - 9:00 a.m.		7:30 a.m. - 9:00 a.m.		0		
					A/V: Yes(1)		A/V: No		A/V: No		A/V: No			0	
					1:00 p.m. - 5:00 p.m.		12:00 noon - 2:00 p.m.		12:00 noon - 2:00 p.m.		12:00 noon - 2:00 p.m.		0		

	First TPC Meeting and Break Outs (>80m2) - 70	Classroom Style for Short Course Only, 60 Persons		A/V: Yes(1)		A/V: No		A/V: No		A/V: No			0	
				6:00 p.m. – 10:00 p.m.						7:00 p.m. – 8:30 p.m.			0	
				A/V: Yes(1)						A/V: No			0	
17	Short Course III (>80m2) - 80	Convention Hall #307 (old #3) (185m2) - Classroom Style, ??? Persons		8:00 a.m. – 12:00 noon									0	
				A/V: Yes(1)									0	
				1:00 p.m. – 5:00 p.m.									0	
				A/V: Yes(1)									0	
17	Short Course IV (>80m2) - 80	Convention Hall #308 (old #4) (150m2) - Classroom Style, ??? Persons		6:00 p.m. – 10:00 p.m.									0	
				A/V: Yes(1)									0	
				8:00 a.m. – 12:00 noon									0	
				A/V: Yes(1)									0	
17	Short Course IV (>80m2) - 80	Convention Hall #308 (old #4) (150m2) - Classroom Style, ??? Persons		1:00 p.m. – 5:00 p.m.									0	
				A/V: Yes(1)									0	
				6:00 p.m. – 10:00 p.m.									0	
				A/V: Yes(1)									0	
Total (Room+A/V):			0		0		0		0		0	0	0	0
Exchange Rate (See Cell F14):		8.07	Total (Saturday)		Total (Sunday)		Total (Monday)		Total (Tuesday)		Total (Wednesday)	\$0	\$0	\$0
												(Total Room)	(Total A/V)	(Total)
												Note: Red is in US Dollars.		

Appendix S. Agreement - Mira Services for Technical Program and Conference Proceedings

Appendix S:

Agreement - Mira Services for Technical Program and Conference Proceedings



Date: October 15, 2007

Proposal # : 4168

Quote for: Jian-yu Lu - General Chair
 2008 IEEE International Ultrasonics Symposium (2008 IEEE IUS)
 Department of Bioengineering
 The University of Toledo
 Toledo, OH, 43606, USA

We are pleased to present you with our quotation for the following:

Attachment A – Pricing and Payment Schedule
4168 - IEEE-IUS 2008 Technical Program

	IUS-2008 Conf Website	
1	Licensing, custom configuration, testing, and launch of submitSMART™ File Collection/Conversion Module	\$xxxxx
2	Licensing, custom configuration, testing, and launch of reviewSMART™ Peer Review Module. (Includes up to four hours of custom programming labor to code and test Customer-specific rating and statistical requirements. <u>Beyond the four hours, the rate is \$xxxxx per hour.</u>)	\$xxxxx
3	Abstract processing and data capture 1,000 Files (<u>\$xxxxx per abstract</u>)	\$xxxxx
4	Manuscript processing and data capture 650 Files (<u>\$xxxxxx per paper</u>)	\$xxxxx
5	Licensing, custom configuration, testing, and launch of programSMART™ Session Scheduling and Program Generation Module.	\$xxxxx
6	Licensing, custom configuration, testing, and launch of attendSMART™ Pre-conference Program Module w/ searchable abstracts and personalized attendee itinerary planner	\$xxxxx
7	Hosting, maintenance, and technical support for conference staff, chairpersons, and reviewers. Estimate 10 Months @ \$xxxxx/Month	\$xxxxx
8	Programming, debugging, and testing to modify submitSMART™ submission website Estimate 6 Hours @ \$xxxxx/Hour	\$xxxxx
9	Standard First-Tier technical support to Submitters. Live help-desk support 8:00 a.m. through 5:00 p.m. CST (GMT - 6) or CDT (GMT - 5) Next business-day response for off-hours support requests.	\$xxxxx
10	One day on-site support by two Mira PM and/or technicians to attend the TPC assembly on June 14th. Travel will be added to this daily charge. 2 Reps @ \$xxxxx/Day per Rep	\$xxxxx
11	One day on-site support by one Mira PM to attend the general TPC general program assembly on June 15th. Travel will be added to this daily charge. 1 Rep @ \$xxxxx/Day per Rep	\$xxxxx
12	Programming, debugging, and testing to integrate Verisign to operate seamlessly within the submitSMART™ module	\$xxxxx
13	Real Time Credit Card processing monthly connection charge Estimate 5 Months @ \$xxxxx/Month	\$xxxxx
14	Per transaction charge for Real Time Credit Card processing 0 Transactions @ \$xxxxx/Transaction	TBD
15	Credit Card fee (varies per credit card). The amount charged by the credit institution will be deducted from the Abstract and/or registration payments received. Mira will provide a statement outlining charges. 1 unit @ TBD price set forth by IEEE – IUS	TBD
	Total Cost (before shipping)	\$xxxxxx

Attachment A – Pricing and Payment Schedule
4168 - IEEE-IUS 2008 Technical Program

	IUS-2008 Conf Program Book-Electronic File	
1	Program book content verification and service-bureau project setup	\$xxxxx
2	Page Composition and Prepress (Includes page numbering, formatting of session headers, bleeding tabs, and copyright footers on the first page of each manuscript, table-of-contents creation and layout, basic author index creation and layout, integration of customer-supplied front/back matter and session sheets, and assembly.)	\$xxxxx
3	Supply final abstract/program files and program as print ready to IEEE-IUS in PDF and Word format.	\$xxxxx
4	(Optional) Modifications after first proof. Estimate 0 Hours @ \$xxxxx/Hour	0.
5	(Optional) Additional Graphic Design Services. Estimate 0 Hours @ \$xxxxx/Hour	0.
7	(Optional) Create book cover artwork from text and logos supplied by customer. Includes up to 3 hours of standard design service. \$xxxxx Flat fee	0.
	Total Cost (before shipping)	\$xxxxx

	IUS 2008 Conf Abstract Book-Electronic File	
1	Abstract book content verification and service-bureau project setup	\$xxxxx
2	Composition and Prepress (Includes page-layout, pagination, folio placement, table-of-contents creation and layout, basic author index creation and layout and assembly.) 650 Abstracts	\$xxxxx
3	Supply final abstract/program files and program as print ready to IEEE-IUS in PDF and Word format.	\$xxxxx
4	(Optional) Modifications after first proof 0 Hours @ \$xxxxx /Hour	0.
5	(Optional) Additional Graphic Design Services 0 Hours @ \$xxxxx /Hour	0.
6	(Optional) Create book cover artwork from text and logos supplied by customer. Includes up to 3 hours of standard design service. \$xxxxx Flat fee	0.
	Total Cost (before shipping)	\$xxxxx

**Attachment A – Pricing and Payment Schedule
4168 - IEEE-IUS 2008 Conference Proceedings**

	IUS-2008 Conf DVD	1,100 Units
1	PDF conversion, text verification, manual image optimization, and population of meta-tag fields. ("0" cost assumes content is collected through submitSMART™ file collection module. Any additional content is processed at \$30.00/File) 650 Files	0.
2	Engineering and testing of navigational interface. Includes licensing of indexSMART™ Premium Edition browse-and-retrieval utility; indexing all manuscripts for retrieval via single-screen drop-down menus by Title, Author Name(s), Subject/Keyword, full text and/or other relevant criteria as defined by client. Quality assurance testing of all DVD-ROM functionality on Windows and Macintosh platforms. (Includes up to 3 search criteria in addition to full text search.)	\$xxxxx
3	Premastering and creation of test discs	\$xxxxx
4	Artwork processing for up to 4-colors on upper facing disc label only (Includes up to 2 hours design labor, minor corrections to source files, film separations, digital proofs. Assumes artwork is supplied in Quark v3.3 or greater for Mac, or High-Res JPEG file using templates supplied by Mira.)	\$xxxxx
5	Glass mastering. (Creation of "stamper" plate for disc pressing.)	\$xxxxx
6	DVD-5 Replication (Includes replication, 4-color silk screen of upper facing disc label, and insertion into supplied packaging.) 1,100 Units	\$xxxxx
7	Clear plastic jewel cases. (Includes DVD insertion and shrink wrapping) 1,100 Units	\$xxxxx
8	Artwork processing for 4-color process printing of DVD-ROM packaging. (Includes minor corrections to source files, film separations and digital proofs. Assumes artwork is supplied in Quark v3.3 or greater for Mac, or High-Res JPEG file using templates supplied by Mira.)	\$xxxxx
9	4/1 printed 2-page folding front cover jewel case insert and 4/0 printed back cover/trayliner. (Specific PMS colors are available at additional cost.) 1,100 Sets	\$xxxxx
10	Unlimited telephone and email based technical support for DVD end users. Live help-desk support 8:00 a.m. through 5:00 p.m. CST (GMT - 6) or CDT (GMT - 5) Next business-day response for off-hours support requests. 1,100 Units	\$xxxxx
11	Check files for Xplore Compliance. Identify items of non-compliance, apply automatic fix to files that can be corrected in this manner.	\$xxxxx
	Total Cost (before shipping)	\$xxxxx

TOTAL CONTRACT AMOUNT*

\$xxxxx*

***UNLESS OTHERWISE SPECIFIED, COST FIGURES OUTLINED ABOVE ARE F.O.B. FACTORY. ACTUAL SHIPPING, MAILING, AND/OR OVERNIGHT DELIVERY COSTS FOR DOCUMENTS, PUBLICATIONS, AND/OR HARD GOODS WILL BE ADDED TO FINAL PROJECT INVOICE. ALL VARIABLE COST FIGURES OUTLINED ABOVE ARE BASED UPON CUSTOMER-SUPPLIED MANUSCRIPT-COUNT, PAGE-COUNT, AND/OR PRODUCTION QUANTITY ESTIMATES. THE FINAL PROJECT INVOICE WILL BE ADJUSTED TO REFLECT THE ACTUAL VOLUME OF FILES AND/OR PAGES PROCESSED, AND THE ACTUAL PRODUCTION QUANTITIES REQUESTED BY THE CUSTOMER.**

Payments for this project will become due in conjunction with the following project milestones, and are subject to approved credit:

\$xxxxx of Total Contract Price, upon Execution of Agreement	\$xxxxx
\$xxxxx of Total Contract Price due September, 26 2008	\$xxxxx
Remaining Total Contract Price, +/- adjustments for actual file counts and/or other variables, net 30 after project completion. Estimated	\$xxxxx

Visa, Mastercard, Discover and American Express are also accepted.

Mira, Inc.

By: Michael Eyler
Title: National Account Manager
Date: October 15, 2007

Customer

By: Jian-yu Lu _____
Title: General Chair, 2008 IEEE IUS _____
Date: October 16, 2007 _____

Attachment B - Statement of Work

S.3.

3800 Park Avenue, St. Louis, MO 63110
Voice: 314.776.6666 • Fax: 314.776.2470

4168 - IEEE-IUS 2008 Conference

Project Deliverables:

Please refer to **Appendix A** for IEEE - IUS Technical Program Specific Requirements

Please refer to **Appendix B** for IEEE - IUS Conference Proceedings Specific Requirements

Customer Shall:

- Provide to Mira data, creative direction and graphical elements, logos, etc., as set forth in the schedule below for timely completion of navigational screens
- Provide proofing, modification requests, and approval artwork as set forth in the schedule below
- Deliver to Mira any content files (not collected through **miraSMART™**) in text searchable PDF file format (Additional charges will apply)
- Provide to Mira data, graphical elements, logos, etc. as set forth in the schedule below
- Deliver to Mira a Microsoft Excel spreadsheet, database file, or tab delimited text document (for any content not collected through **miraSMART™**) listing: Presentation Title, Subject/Topic/Track/Session, Author Name(s) (Last name first, including title, one author per column/field), other optional info. (Additional charges will apply)
- Deliver to Mira electronic artwork for Program and Abstract book cover, disc packaging and upper facing disc label
- Deliver to Mira Program and Abstract order/organization, front/back matter, etc.
- Deliver to Mira camera ready Program and Abstract book content file

Mira Shall:

- Configure, launch, and administer those **miraSMART™** modules specified in Attachment A, according to the project schedule outlined below
- **Customized** submission module is included in this proposal and includes the ability to differentiate between four sets of criteria for submission boxes: 1. Background, Motivation and Objective 2. Methods 3. Results 4. Discussion and Conclusions.
- Customize Key Word Search configuration will be incorporated onto the submission menu screens to help track and search the abstracts more efficiently. (Min 3 – Max 5 words)
- Provide a special login code to be sent to Invited Speaker with their information pre-populated on the site in order to AVOID the Invited Speaker having to enter any formality information, or be subject to the review process.
- Configure the drop down menu specified as Country will be changed to reflect the specifications of IEEE-IUS to include Taiwan-China in order to avoid any controversial implications.
- Provide custom reporting is available through the current Mira system. Reporting is provided based on user-access and is available using real-time data. The reports can be saved and run 24/7, in order to provide the most current data available. Additionally, reporting can be provided for export based on Customer needs. The Mira Project Manager will coordinate this.
- Provide direct first-tier support to all web users, including submitting authors, 8am-5pm Central Standard Time (GMT-6) or Central Daylight Savings Time (GMT-5), Mon-Fri, exclusive of recognized holidays. Next business day response for off-hour requests.
- Provide Special on-site support by two experienced representatives who have intimate working knowledge of the IEEE-IUS data and flow process at the TPC assembly on June 14th (full day) and one such individual on June 15th (about half day) to help with data dissemination and construction of conference program. Each Mira rep will be outfitted with necessary equipment to facilitate data organization and assimilation for the TPC, as per requested.
- Configure final paper submission site to accept more than 4 pages at additional \$xxxxx/per page up to 6 pages.
- Check files for Xplore compliance. Identify items of non-compliance and apply automatic fix to correct issues.
- Deliver to Customer all Author Approved and Rejected manuscript files in Xplore compliant digital or scanned PDF format with IEEE Packing List.

- Provide PDF conversion, text verification, manual image optimization, and population of meta-tag fields for additional content supplied by Customer in native format, not collected through **miraSMART™** website (Additional charge will apply)
- Integrate real time credit card processing module to operate seamlessly within the **submitSMART™** module.
- Complete composition and layout of printed program volume. Deliver finished output to Customer-specified printing facility as camera-ready hardcopy, [in both PDF and MS Word files \(and RDO file if needed\)](#).
- Complete composition and layout of printed abstract volume. Deliver finished output to Customer-specified printing facility as camera-ready hardcopy, [in both PDF and MS Word files \(and RDO file if needed\)](#).
- Deliver to Customer final report of chargebacks from credit card institutions. This report may include an additional payment for abstract fees or invoice for chargebacks
- Deliver single payment to Customer not later than 30 days following latest milestone date reflecting credit card payments received through the website. Any additional amounts charged by the credit institutions will be deducted from the payment. Mira will provide a statement outlining charges
- Provide unlimited telephone and email based DVD support for end users
- Insert DVD-ROMs into standard clear plastic Jewel Cases with 4/1 printed 2-page folding front cover jewel case insert and 4/0 printed back cover/trayliner
- Produce and deliver 1100 DVD-ROMs
- Index full text of content, and integrate full-text search engine. Perform quality assurance testing of all DVD-ROM functionality on Windows and Macintosh platforms.
- Index all content by Author, Title, Subject and/or other relevant criteria as defined by Customer (up to three criteria)

Project Schedule and Timeline:

Task and Milestones	Due Date
Mira provide a template site for us to take a look to save the time of volunteers (modify based on it)	12/10/2007
Configuration data to Mira including any site logos or other images	12/17/2007
submitSMART™ website development start	12/17/2007
submitSMART™ beta site available for review and testing by Customer	1/7/2008
Comprehensive list of website modifications due to Mira	1/16/2008
submitSMART™ website approved by Customer	1/23/2008
submitSMART™ site live for abstract collection	2/1/2008
Abstract collection published deadline (midnight, Pacific Standard Time, between May 4 and 5))	5/4/2008
Abstract collection actual deadline (midnight, Pacific Standard Time, between May 4 and 5)	5/4/2008
reviewSMART™ open to Public	5/7/2008
Published review deadline	5/27/2008
Actual review deadline	5/27/2008
programSMART™ development start	5/27/2008
programSMART™ beta module available for Customer testing	5/30/2008
Comprehensive list of programSMART™ changes due to Mira	6/3/2008
Delivery to Mira of electronic artwork for program book cover	6/4/2008
Delivery to Mira of electronic artwork for abstract book cover	6/4/2008
programSMART™ module available for scheduling	6/5/2008
programSMART™ published scheduling deadline	6/16/2008
programSMART™ actual scheduling deadline	6/16/2008
programSMART™ module ready for Archive	6/16/2008
attendSMART™ development start	6/23/2008
Author Notification of acceptance/rejection and any session requirement information sent via email from website.	6/29/2008
submitSMART™ site live for manuscript collection	7/1/2008
Program Book pre-press proof due to Customer (need in Microsoft Word version for us to add)	7/1/2008
Abstract Book pre-press proof Due to Customer (need in Microsoft Word version for us to add)	7/1/2008
attendSMART™ itinerary planning module beta due to Customer for testing	7/2/2008
comprehensive list of attendSMART™ modifications due to Mira	7/9/2008
Approval of program book cover artwork by Customer	7/15/2008

Program Book pre-press comprehensive list of modifications due to Mira	7/15/2008
Approval of abstract book cover artwork by Customer	7/15/2008
Abstract Book pre-press comprehensive list of modifications due to Mira	7/15/2008
Program Book front and back materials due to Mira	7/15/2008
Abstract Book front and back materials due to Mira	7/15/2008
attendSMART™ itinerary planning module approved by Customer	7/16/2008
attendSMART™ itinerary planning module open for public	7/21/2008
Revised pre-press proof of Program Book layout to Customer	8/1/2008
Revised pre-press proof of Abstract Book layout to Customer	8/1/2008
Program Book (MS Word and PDF versions) pre-press proof approved by Customer	8/8/2008
Abstract Book (MS Word and PDF versions) pre-press proof approved by Customer	8/8/2008
Program Book master due to Print Facility (Rush charges may apply after this date)	8/15/2008
Abstract Book master due to Print Facility (Rush charges may apply after this date)	8/15/2008
Manuscript submission published deadline	11/5/2008
Actual manuscript submission deadline	11/5/2008
attendSMART™ itinerary planning module published deadline	11/5/2008
attendSMART™ itinerary planning module actual deadline	11/5/2008
attendSMART™ module ready for archive	11/5/2008
Complete necessary checks and fixes for Xplore compliance per IEEE standards	11/5/2008
Xplore compliant (specification v2.2 requirements) PDF files delivered to Customer	11/5/2008
Delivery to Mira of electronic artwork for DVD label	11/19/2008
DVD Materials (front, back, Table of Contents, etc.) due to Mira	11/19/2008
Delivery to Mira of electronic artwork for DVD Packaging	11/19/2008
Digital proof of DVD packaging artwork approved by Customer	11/26/2008
Test disc #1 (Beta) due to Customer	12/2/2008
Comprehensive list of DVD modifications due to Mira	12/4/2008
Test disc #2 (Master) due to Customer	12/12/2008
Digital proof of DVD label artwork approved by Customer	12/19/2008
DVD Master due to replication facility	12/22/2008
Xplore compliant (specification v2.2 requirements) PDF and multimedia files, complete Table of Contents, copyright page, and front and back materials presented in the final version of the DVD, delivered to Customer for IEEE Xplore and the website of the customer.	12/22/2008
Delivery the files that are ready for IEEE to print on demand and are corresponding to the contents of the DVD to produce paper proceedings	12/22/2008
Finished DVDs ship from replication facility	1/12/2009
Finished DVDs due to Customer specified locations	1/16/2009

Mira Digital Publishing, Inc. agrees to all terms of the IEEE-IUS Specific Requirements set forth in Appendix A and Appendix B.

Any failure by CUSTOMER to comply with the requirements set forth in this project schedule regarding the delivery of materials and approvals may result in substantial delays in COMPANY'S provision of the Services and Products and/or additional rush charges being incurred by CUSTOMER, above and beyond the charges detailed in the attached Pricing and Payment Schedule.

Mira, Inc.

By: Michael Eyler
Title: National Account Manager
Date: October 15, 2007

Customer

By: Jian-yu Lu _____
Title: General Chair, 2008 IEEE IUS _____
Date: October 16, 2007 _____

Attachment C - Custom Development Specifications
4168 - IEEE-IUS 2008 Conference

Changes to Website:

- 1.) Customize submission module to include the ability to differentiate between four sets of criteria for submission boxes: 1. Background, Motivation and Objective, 2. Methods, 3. Results, 4. Discussion and Conclusions.
- 2.) Customize Key Word Search configuration will be incorporated onto the submission menu screens to help track and search the abstracts more efficiently. (Min 3 – Max 5 words)
- 3.) Provide a special login code to be sent to Invited Speaker with their information (provided by IEEE-IUS) pre-populated on the site in order to AVOID the Invited Speaker having to enter any formality information, or be subject to the review process. Estimate 21 Speakers at 10 Page submission.
- 4.) Allow submission site to let students who would like to participate in student paper awards, be able to indicate and be able to be sorted out easily for award considerations.
- 5.) Configure final paper submission site to accept more than 4 pages at additional \$xxxxx/per page up to 6 pages.

Mira, Inc.

By: Michael Eyler
Title: National Account Manager
Date: October 15, 2007

Customer

By: Jian-yu Lu _____
Title: General Chair, 2008 IEEE IUS _____
Date: October 16, 2007 _____

Customer: Please update contacts below for accepted quotes.

Project Contact:

Jian-yu Lu, Ph.D.
Department of Bioengineering
The University of Toledo
2801 W. Bancroft Street
Toledo, OH, 43606, USA
Phone: (419) 530-8079
Fax: (419) 530-8076
Email: jilu@eng.utoledo.edu

Invoice to:

Jan Brown, Ph.D.
JB Consulting
35 Webber Road
West Whately, MA 01039 USA
Phone: (413) 665-7624
Fax: N/A
Email: Jan.brown@ieee.org

Thank you for your consideration!

To accept this proposal and begin your project, please sign and date all signature blocks and fax to 314-776-2470.

ATTACHMENT D - MIRA APPLICATION SERVICE PROVIDER ATTACHMENT
4168 - IEEE-IUS 2008 Conference

1. License

Mira, Inc. (COMPANY) hereby grants to IEEE-IUS - Int. Ultrasonics Symposium (CUSTOMER) a nonexclusive, non-transferable, revocable license (the "License") for the use of the **miraSMART™** Online Software modules (herein identified as **submitSMART™**, **reviewSMART™**, **attendSMART™**, **programSMART™** and **librarySMART™**) in association with a single conference, publication, or event (the "Event") as outlined in the Pricing and Payment Schedule, and Statement of Work. An additional license will be required for use of the **miraSMART™** Online Software in conjunction with each additional conference, publication, or event, or for any reasons other than as set out in the Pricing and Payment Schedule. The License allows for, at CUSTOMER's sole discretion, an unlimited number of members, employees, volunteers, or assignees (collectively, "Users") to access remotely and use (only through remote access) the object code version of those specific modules within **miraSMART™** that CUSTOMER is entitled to access as identified in the Pricing and Payment Schedule attached hereto, for the purposes of submitting, reviewing, scheduling, formatting, or otherwise processing data for publication and/or presentation in connection with the Event.

2. Ownership

CUSTOMER acknowledges and agrees that COMPANY shall retain and own all right, title and interest and all intellectual property rights (including copyrights, trade secrets, trade-marks and patent rights) in and to the **miraSMART™** Online Software and all related documentation.

3. Restrictions

CUSTOMER agrees that it will not, and will not allow its directors, officers, or employees or agents to:

- (a) reverse assemble, reverse engineer, decompile or otherwise attempt to derive source code from the **miraSMART™** Online Software or any component thereof;
- (b) copy, reproduce, modify, sell, lease, sublicense, market or commercially exploit in any way the **miraSMART™** Application Service, **miraSMART™** Online Software or any component thereof other than as expressly agreed to in Attachment A;
- (c) use, or permit the use of, the **miraSMART™** Application Service or any component thereof to perform information processing or any other function whatsoever for any other person, entity or business including, without limitation, providing information processing for a third party in any service bureau, time sharing, lease, distribution, resale, rental, application service provider agreement or any other arrangement;
- (d) disclose or grant access, without COMPANY's express consent in writing, to the **miraSMART™** Application Service or any component thereof to any third party other than those Users who shall require access for the purposes of submitting, reviewing, scheduling, formatting, or otherwise processing data for publication.

4. INTERNET CONNECTION

Subject to the terms and conditions of this Agreement, COMPANY represents and warrants that except as otherwise agreed in writing by the parties, the licensed **miraSMART™** modules shall be accessible to Internet Users twenty four (24) hours per day, seven (7) days per week, with the exception of scheduled maintenance periods. [Mira should avoid having maintenances during the critical days such as during the week leading to May 4, 2008 and November 5, 2008 submission deadlines whenever possible.](#)

5. Ownership of Customer Data

COMPANY acknowledges that all CUSTOMER data, including data transmitted by CUSTOMER and Users to COMPANY for processing using the **miraSMART™** Application Service and formatted presentations of such data delivered for distribution via hardcopy or digital media ("CUSTOMER Data") and CUSTOMER and User systems used by CUSTOMER to access the **miraSMART™** Application Service shall be and remain the property of CUSTOMER. COMPANY shall have the right to use and reproduce CUSTOMER Data solely to the extent necessary to provide the Services and fulfill its obligations to CUSTOMER per the Pricing and Payment Schedule, and Statement of Work

Mira, Inc.

By: Michael Eyler
Title: National Account Manager
Date: October 15, 2007

Customer

By: Jian-yu Lu _____
Title: General Chair, 2008 IEEE IUS ____
Date: October 16, 2007 _____

Attachment E - IRMA Intellectual Property Rights (IPR) Disclosure

To be submitted with every CD/DVD-ROM order.

4168 - IEEE-IUS 2008 Conference

- Letters of Indemnity are not adequate.
- LICENSED content requires proof of licensing for replication
- OWNED content indicates the individual/organization completing this form is the IPR owner
- Must be completed by the organization soliciting replication and not a broker or intermediary

Album/Project Title 2008 IEEE Ultrasonics Symposium Proceedings

Distribution Within an organization ☒ Retail ☐ Free to public ☐ Other ☐

Countries Where Distributed _____

Are you the IPR owner for the entire disc contents? ☒ YES ☐ NO*

Complete the section(s) below describing the content that is applicable to the media you have ordered. MP3 or Enhanced Disc content requires completion of both ROM and Audio sections.

1. CD-ROM / DVD-ROM Content

***If Not IPR owner, list all included non-owned software, freeware, and shareware products. Attach necessary distribution licensing documentation from the IPR owner.** Some shareware and freeware products require distribution licensing. Consult the software vendor for what is necessary.

2. CD / DVD Audio Content

Check Here if COMPILATION ☐

Artist(s) _____ Content/Music Type _____

An attached list of track title, artist, and IPR owner is REQUIRED. Sampling/mixing of additional recordings not owned (regardless of type, quantity, and length) requires licensing of those original recordings.

***If Not IPR owner, proof of replication licensing from IPR owner for licensed tracks is REQUIRED.**

3. CD / DVD Video Content (if Audio is separately licensed, complete Audio section and provide necessary Audio/Video Synchronization licensing)

***If Not IPR owner, proof of replication licensing from IPR owner is REQUIRED.**

I affirm that all information provided herein is true and that all disc contents indicated as being "licensed" are properly licensed for replication under the terms of the original rights holder(s) with proof of such licensing and/or trademark authorization attached. I affirm that I am the intellectual property rights owner for all contents indicated as being "owned" and approve of replication. I agree to abide by the current version of the Anti-Piracy Compliance Program procedures and standards of the International Recording Media Association (available at www.recordingmedia.org). The replication facility reserves the right to refuse the processing of any order not complying with the Anti-Piracy Compliance Program guidelines.

Print Organization Name & Telephone # of Party Soliciting Order 2008 IEEE IUS. Tel. (419)530-8079

Signature of Representative from Party Soliciting Order _____

Print Name, Title, & Date Jian-yu Lu, General Chair, 2008 IEEE International Ultrasonics Symposium

Appendix A - Statement of Work

4168 - IEEE-IUS 2008 Technical Program

DETAILED REQUIREMENTS:

FOR IEEE-IUS 2008 *CONFERENCE TECHNICAL PROGRAM*:

Note: The following requests (designated by "Lu:") and answers (designated by "Mira:") are based on an email sent from Dr. Jian-yu Lu, General Chair of the 2008 IEEE IUS, to Mira Digital Publishing, Inc., on October 1, 2007.

(1) General description of the 2008 IEEE IUS technical program:

(i) Lu: The 2008 IEEE International Ultrasonics Symposium (IUS) is an annual international conference of the IEEE Ultrasonics, Ferroelectrics, and Frequency Control (UFFC) Society (IEEE is short for the Institute of Electrical and Electronics Engineers). It has more than 1000 attendees and will be held in Beijing, China, from November 2-5, 2008. The conference will have about 1000 abstracts.

(ii) Lu: The conference has five technical groups, each of which has a Group Chair who is responsible for organizing review of abstracts inside the group, identifying and exchanging abstracts that have been misplaced by authors with other groups.

(iii) Lu: Final acceptance, rejection, and combination of abstracts will be determined at the 2nd Technical Program Committee (2nd TPC) meeting that will be held in Chicago from June 14-15, 2008.

(iv) Lu: Supports are needed for our abstract submission, abstract review, Group Chair operations, TPC Chair operations, conference program assembly into sessions with no conflict among speakers and groups, and production of formatted MS Word and PDF program and abstract books.

(v) Lu: Because this is a complicated operation, we would like to have on-site personnel support during the one-and-a-half day 2nd TPC meeting in addition to a dedicated project (account) manager who will help us to solve any problems during the course of the conference preparation.

(vi) Lu: The abstract submission website should direct authors to the conference website (http://ewh.ieee.org/conf/ius_2008/) for applications of student travel supports and visa applications. However, the student travel support requests could be integrated into the abstract submission system if we find it would be more convenient before the abstract submission site is set up.

(vii) Lu: IEEE and UFFC logos and conference logo should be placed on web.

(viii) Lu: The conference organizer should be able to have a complete test of the conference management website ranging from abstract submission, reviewer experience, Group Chair operations, TPC Chair operations, entire conference program assembly, to preparations for program book and abstract book productions in MS Word and PDF formats.

(ix) Lu: Minor modifications on the conference management website should be allowed before the abstract submission open deadline of February 1, 2008.

(x) Lu: The web management system should be available for both the TPC Chair, Proceedings Chair, and the General Chair to monitor the progress of the conference 24 hours a day and 7 days a week via a website protected by both username and password, both before and after the abstract submission deadline of May 4, 2008, and both before and after the paper submission deadline of November 5, 2008.

(2) Author abstract submission:

(i) Lu: Authors should be able to create individual accounts.

Mira: Yes, we provide Authors, Reviewers and Chairs with their own individual home web page that they may logon and visit as many times as the deadlines allow. We have heard many people complain about "lost" emails, bouncing emails, spam-blockers, it is just something that has progressed with technology. A special feature that is also available to Authors, Reviewers and Chairs is our Email Log. Any email sent by the Mira website, either automatic or manual is permanently logged. So, even if they experience the "lost" email it will still be available on their home page to be viewed and printed at any time. This feature is extremely important for payment, acceptance and rejection confirmation. We find that this feature helps avoid miscommunication during the conference process. In general, this is an area of our websites that constantly evolves to accommodate the latest communication trends.

(ii) Lu: Author names, affiliations, and other author information should be entered prior to the submission of abstracts.

Mira: Yes, we have several fields (name, address, affiliation, prefix, country, and even customizable options) that you may collect from Authors prior to submission, we can also make some/all of these fields required before submission is allowed.

(iii) Lu: Figures and tables should be allowed as part of the submitted abstracts.

Mira: We have several solutions for this requirement. The simplest one is to simply allow Authors to submit files from their word processors, which we reformat in real time to check the size and other constraints. I think we are the only company that has this technology, we were certainly the first (we debuted this feature in 1999). Please see my explanation to item (iv) as your instructions are somewhat different than we normally recommend.

(iv) Lu: Allow character limitations (500 minimum and 2500 maximum) for the bodies of each abstract (figures and tables each will count towards 500 characters).

Mira: Our websites normally allow the Author to place their figures and tables as part of their abstract. Instead of assigning an arbitrary word count to these graphical items, we just lay out the abstract and let the Author judge for him or herself. A character limit, although close, is generally not an accurate guide to final formatted size when graphics are allowed. Therefore, it is most common for us to set a total "live area" size for the abstract. If they use smaller graphics, they can use more words, and vise-versa. I think this is the feature you want. If not, we can go with a simple character counter. (We can even do both in the same website)

(v) Lu: Each abstract should be able to fit into a single formatted page.

Mira: Yes, our site automatically generates a PDF of the submission and will show the Author the final formatted abstract and its relationship to the maximum size. By the way, things like large Author blocks also count towards the final size. In other words, an Author listing 20 Coauthors with long names has less room than one listing only a few with short names.

(vi) Lu: Allow 4 boxes for abstract submission, i.e., I. Background, Motivation, and Objective, II. Methods, III. Results, IV. Discussion and Conclusions.

Mira: Yes, this is simple.

(vii) Lu: Abstract submission options should include ORAL preference and POSTER preference.

Mira: Yes, this is a standard option on our website.

(viii) Lu: The abstract options should also include pre-designated group and subgroup within each group.

Mira: Yes, an easy configuration, and we can configure the site to use your specific terminology, so as to avoid confusion. What one association make call Track and Session, you may call Group and Sub-Group.

(ix) Lu: INVITED abstracts should be clearly marked as INVITED so reviewers won't waste time reviewing them.

Mira: Yes, we can also pre-populate the Invited Speakers' information (from IUS) and send the speakers a specific login code that will avoid the speakers having to enter duplicative information or subjecting the data they enter to the review process.

(x) Lu: Student abstracts should be able to be identified.

Mira: Yes, this is a standard request by check box

(xi) Lu: Students who would like to participate student paper awards should be able to indicate and should be able to be sorted out easily for award considerations.

Mira: Yes, our site can be configured to open up a Yes or No option for award consideration after they check the student box. This information can be flagged and reported on.

(xii) Lu: Force authors to enter minimum 3 and maximum 5 keywords for each abstract for use with search tools later.

Mira: Yes, this is an easy customization.

(xiii) Lu: There should be a drop-down menu for authors' countries so that Taiwan should appear as "Taiwan, China" in order to avoid the controversial implication that Taiwan is not part of China.

Mira: Yes, we have done several conferences in China and are sensitive to such issues.

(xiv) Lu: Authors are provided opportunities to review and modify their abstracts up until the abstract submission deadline of May 4, 2008.

Mira: Yes, after the initial submission the Author may logon to their personal webpage and have the option to edit, review and even submit a new abstract. This feature helps mitigate the last-minute rush – although there will always be a last-minute rush and we are prepared for it.

(xv) Lu: Authors should get automatic email acknowledgements when abstracts are submitted successfully.

Mira: Yes, the site can be configured to automatically generate emails for specific events; submission received, submission accepted/rejected, submission incomplete, etc. We also maintain a log of all email communications to facilitate handling Authors who may have missed an email.

(3) Abstract review:

(i) Lu: In addition to online scoring that should be provided as usual, reviewers should be able to download a formatted SINGLE PDF file that contains all abstracts within their respective group and the file should be formatted as 1 page per abstract (including figures and tables), and reviewers should be able to enter their scores into the web system after reviewing all the abstracts in the downloaded PDF file.

Mira: Yes, I am glad to see that you are requesting a feature that Mira Digital Publishing, Inc. actually *invented* for the IEEE ISSCC website over 7 years ago. Online organization is great, but most humans read better from paper. Our system allows for a convenient, context-sensitive offline batch process – the classic “edit on the airplane” feature. This is quite popular with volunteer reviewers who tend to be more easily aggravated by poor workflow. The Reviewers will be able to score in the following 4 levels: 4=Accept, 3=Marginally Accept, 2=Marginally Reject, 1=Reject. Also the Reviewer will be able to select comments for each abstract and/or make custom comments. The comments could be: 1. No preliminary data. 2. Abstract not sufficiently novel. 3. Work is previously published. 4. Abstract is unclear. 5. Inappropriate conference. 6. Custom comments. The Reviewer site will also allow the option of “abstain” to avoid conflict of interest of reviewers.

(ii) Lu: Reviewers should be able to sort abstracts according the subgroup categories within each group (this is very important for reviewers) in addition to sort according to control numbers and other criteria.

Mira: Yes, sorting the subgroup category the ID number, and even the status of the abstract are all available.

(iii) Lu: Reviewers should be able to see the progress of their reviews and some statistics (hopefully in chart form) regarding their reviews.

Mira: Yes, this is a standard feature of the site. The results are context-sensitive based on the status of the user.

(4) Group Chair operations:

Lu: This is to be finished during a whole-day meeting of June 14, 2008, which will be divided into five groups - need at least one, preferably two, people from the company on-site to help to resolve any problems for one day:

Mira: Yes, Mira is always happy to provide any support on-site. More importantly, Mira's project managers have long-term relationships with their client organizations. Our PMs know your process and become an external source of "corporate memory" – an essential element in organizations where the volunteer pool changes yearly. Some of our PMs even serve as members of the program committee for our associations.

(i) Lu: The five group chairs should be able to produce a list of average scores from the review results.

Mira: Yes, any information that is collected through our site, can be reported on. This includes real time reports of average scores, submission completion, review status; revision status, and totals.

(ii) Lu: Group Chairs should be able to search abstracts by key words, control numbers, average scores, comments associated with each abstract, accepted abstracts, accepted oral abstracts, accepted poster abstracts, combined abstracts, etc., via both online and downloaded Excel spreadsheet.

Mira: Yes, an important function that we already configure to search many different criteria, and may add some specific search criteria like the 3 – 5 Key Words.

(iii) Lu: Allow Group Chairs to mark final results (accept/oral, accept/poster, reject, combine/oral, combine/poster) for abstracts during the 2nd TPC meeting of June 14, 2008.

Mira: Yes, we can give the Chairs final approval to **accept/oral, accept/poster, reject, combine/oral, combine/poster, reassign to another review, reassign to another group**. The Combine function is more complicated to implement and will depend on the rules that you establish (who has control of a combined abstract and other such things). We have performed similar services for other conferences, so the software can handle it.

(iv) Lu: Allow Group Chairs to have READ ONLY access to ALL other groups to evaluate abstracts that may be moved between groups due to authors' misclassifications,

(v) allow Group Chairs to transfer manuscripts between groups.

Mira: Yes, this is a standard function that is essential for the Group Chair.

(vi) Lu: Group Chairs should be able to print out quickly (not just one page at a time) all accepted oral abstracts and accepted poster abstracts sorted by control number, subgroup classifications, or other available fields, with a single click of buttons.

Mira: Yes, our "Batch Download" function is very popular for this purpose.

(vii) Lu: Allow the Technical Program Committee members who will attend the 2nd TPC of June 14, 2008 to participate assembling the sessions within their respective groups and assigning proper session chairs (this could be done by printing out the PDF version of all abstracts accepted during the 2nd TPC meeting, separated as ORAL and POSTER groups, to be assembled into sessions in parallel by multiple committee members to speed up the process due to the limited time available on June 14, 2008; the Group Chairs can then check to make sure that there will be no accepted abstracts that are forgotten during the night of June 14, 2008 and before June 15, 2008 general session assembling). The conference will have multiple parallel oral sessions, each of which allows 6

presenters, and multiple poster sessions that may allow any number of presenters. Invited presentations will take 2 normal presenter slots, and there will be a total of about 22 invited presenters (6 from Group I and up to 4 from Group II-V). Invited presentations will be arranged such that they do not overlap with other invited presentations whenever possible.

Mira: Yes, you will enjoy using our **programSMAR** function which can put into categories all of your sessions, oral or poster, into specific day, date, and area slots. This will make the process more efficient and avoid any forgotten sessions or over run on time slots.

(5) Technical program assembling

Lu: This is to be finished during the morning of June 15, 2008 with all Group Chairs and the TPC Chair meeting together - need at least one company people on-site to help:

Mira: A dedicated Mira Representative who is by now very familiar with all your information and your process will be there with a positive attitude and ready to work. You supply the coffee.

(i) Lu: All Group Chairs and the TPC chair will be able to assemble the entire program of the conference when they sit down together to have a half-day meeting with the help of the conference management company (remember each group already has preliminarily assembled the sessions within the group a day before).

Mira: Yes, with our online program builder it will streamline the process, and make it easier to manage.

(ii) Lu: Session titles, time allocations, room assignments, and the name and affiliations of session chairs for both oral and poster sessions should be determined without any conflicts of invited talks among sessions, and without any conflicts of the same presenters to be assigned to different sessions at the same time slot, etc.

Mira: Yes, our **programSMAR** system was built for this very purpose.

(6) Results announcement:

(i) Lu: Inform authors of TPC decision of accept, reject, and combine within two weeks after the 2nd TPC meeting, i.e., by June 29, 2008,

Mira: Yes, an automatic email can be generated for conference specific events like these. Our software also tracks these emails to improve communications further. There are various options to help Authors stay informed.

**(ii) Lu: Inform authors of audio/visual requirements and poster requirements,
(iii) provide authors with information related to the conference.**

Mira: Yes, both of these requirements can be addressed in two ways: on the site itself via links and by blast email.

(iii) Lu: The abstract review results should be available on website (along with reasons why an abstract is rejected) after the 2nd TPC meeting, as well as available in a Microsoft Excel spread sheet for the conference program committee to download.

Mira: Yes, although we do not allow Authors to access all the review results for privacy issues, their specific acceptance or rejection can include comments. We also do not generally allow reviewers to view reviews outside of their group for the same reason. The Chair and committee of course will have access to all reviews and the comments. If for some reason these restrictions do not suit your application, we can change the access permissions.

(7) Program book and abstract book:

(i) Lu: Produce formatted advance program and abstract books within two months (deadline of August 15, 2008) after the 2nd TPC of June 14-15, 2008, and make them ready for print by a Chinese company.

Mira: Yes, all book files will be formatted to adhere based on the 2006 IEEE-IUS Program and Abstract Book format, or any other format as directed by the 2008 IEEE-IUS committee, and be ready to send in PDF (or any file needed) to the printing company chosen.

(ii) Lu: Both the program book and the abstract book should have an author index.

Mira: Yes, a standard request that we have seen in the books that we have produced for many of the Associations that we work with.

(iii) Lu: Almost all the elements of the program book and abstract book of the 2006 IEEE IUS should be included in the 2008 IUS books. The website for you to download the 2006 IEEE IUS program and abstract books is at:

http://www.ieee-ultrasonics2006.org/download_abstract.html

Mira: Yes, thank you for the guidance this will make the process a lot easier .

Appendix B - Statement of Work

4168 - IEEE-IUS 2008 Conference Proceedings

DETAILED REQUIREMENTS:

FOR THE 2008 IEEE-IUS CONFERENCE PROCEEDINGS

Note: The following requests (designated by "Lu:") and answers (designated by "Mira:") are based on an email sent from Dr. Jian-yu Lu, General Chair of the 2008 IEEE IUS, to Mira Digital Publishing, Inc., on October 1, 2007.

(1) Brief introduction of the context-sensitive multimedia:

(i) Lu: We need to include the context-sensitive multimedia similar to that implemented by the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC) for the 2008 IEEE IUS proceedings (TUFFC has implemented this type of multimedia since 2003 and has uploaded it each month onto the IEEE Xplore, which is different from the old IEEE "extended object" multimedia – I am currently the Editor-in-Chief of the IEEE TUFFC and produced the context-sensitive multimedia for the journal and thus would be able to help to produce the multimedia proceedings) (see <http://www.ieee-uffc.org/tr/mexample.zip> and <http://www.ieee-uffc.org/tr/mexample.pdf>). We expect 10-20% out of about 650 papers would contain multimedia links. We also expect some customizations are needed for the 2008 IEEE IUS conference paper submission web site to facilitate the multimedia paper submissions.

(ii) Lu: To maximally utilize the power of modern software and web to automate as much tasks as possible so that the conference organizers, who normally have full time jobs, as well as your company staff could do more and better with the same or less efforts. This would be our general approach and goal of producing the multimedia 2008 IEEE IUS DVD proceedings. To accomplish this goal, we may have to make instructions clear to authors and integrate the successful approaches of multimedia handling of the IEEE TUFFC. (We will write clear instructions for authors to know exactly what they should do and post the instructions on the 2008 IEEE IUS web for authors to read before they prepare and submit the papers.) (To get an idea how the context-sensitive multimedia works, please see the multimedia examples at: <http://www.ieee-uffc.org/tr/mexample.zip> and <http://www.ieee-uffc.org/tr/mexample.pdf>, as well as the last page of the "Information for Contributors" at <http://www.ieee-uffc.org/tr/>.)

(2) Project management:

(i) Lu: We estimate to have about 650 papers, 4 pages each. We should allow up to 6 pages if authors pays \$100 per page.

Mira: Mira shall set a maximum of 6 page length and require additional payment option of \$100/per page for any accepted paper over 4 pages. Funds will be collected using a Verisign approved secure site and all transaction batch data will be preserved. Funds will be sent to IEEE-IUS in a lump-sum payment after the submission process concludes.

(ii) Lu: We will have about 21 invited papers, 10 pages per paper should be allowed without charge to authors.

Mira: Invited Speakers will be given a special login code with their information, provided by IUS, already populated on the submission site. The Invited Speakers submission site may also be formatted with a special collection box to include any bio-specific information to be used in the program book, if so desired.

(iii) Lu: We do not have print version for the 2008 IEEE IUS Proceedings. IEEE will produce a print version on demand only. Only DVDs will be produced by your company.

Mira: Print Proceedings files will be made ready for on-demand printing. Mira will provide 1100 DVDs with packaging as requested by IEEE-IUS.

(3) Project management includes:

(i) Lu: Establish and maintain schedules.

Mira: A tentative schedule is included with this proposal, we will refine this schedule once a Mira Project Manager has been assigned to this project.

(ii) Lu: Design conference-specific author instructions for paper preparation and manuscript submission, often referred to as the electronic author kit.

Mira: Mira shall design a specific author information page with the guidance of the IUS Committee.

(iii) Lu: The draft paper submission site should be established by June 1, 2008 or earlier to allow the conference organizers (both Proceedings Chair and General Chair) to check the submission site including the test for multimedia submissions (to see how accurate and simple the author experience will be) before its opening to authors on July 1, 2008.

Mira: This will be an acceptable amount of time to establish the Paper Submission site.

(iv) Lu: Your company staff should modify the website according to suggestions from the conference organizers and fix any problems found.

Mira: Mira welcomes and expects site configuration feedback after conference organizers test the website.

(v) Lu: After this estimate is agreed by both your company and the 2008 IEEE IUS, your company should start to work with the 2008 IEEE IUS to establish an efficient and seamless multimedia submission and publication protocol that my minimize the efforts of both the conference volunteers and your staff.

Mira: Yes, this is the main goal at Mira Digital Publishing, Inc., which will ultimately lead to a better conference experience for the attendees.

(vi) Lu: Your company should produce a zip package that includes the converted PDF file along with a folder that contains all relevant multimedia files, in addition to allowing a direct access of multimedia contents via web without unzipping a file. This zip file should also be placed as a link near the title of each multimedia paper to allow readers to download the entire zip package to their computers. This is very important because the 2008 IEEE IUS Proceedings will also be placed on our own website to allow readers to not only experience multimedia contents by clicking on embedded links on web, which require readers to have a fast internet connection at the time of reading, but also to download the entire zip package to their local computers for any individual multimedia paper they are interested in for off-line fast access of multimedia contents and to avoid problems of security settings of their web browsers that may prevent them from playing multimedia contents online. IEEE Xplore currently supports the so-called "Extended Object", which allows the Xplore to use its existing system to place a link to the zip package for readers to download the zip file to experience the multimedia contents on the local computers of readers.

Mira: Yes, Mira has reviewed these requirements with our IT Director and has determined that we are capable of providing all the features requested.

(vii) Lu: Your company should deliver IEEE Xplore compatible contents of the proceedings so that IEEE Xplore could place the zip package mentioned above to be treated as "Extended Object" and place a link near each multimedia paper in the Table of Contents of the Proceedings so that readers can download the entire multimedia package for off-line viewing.

Mira: Yes, Mira's submission site automatically generates a PDF that is Xplore compliant, and has performed many proceedings uploads to the IEEE Xplore site. The additional link will be available not only on the Table

of Contents, but also in Mira's interactive, searchable software that allows easy navigation and search queries.

(viii) Lu: Establish a unique web site that hosts the conference publication schedule and instructions for submission of author manuscript (source file), multimedia files, and IEEE copyright transfer agreement.

Mira: Yes, Mira's submission site will host information relating to the conference publication schedule, instructions for the authors (as provided by IUS) for the manuscript and multimedia files. The IEEE copyright transfer agreement will be required before submission can be completed.

(ix) Lu: Convert author manuscripts (source files including multimedia) to maintain hyperlinks to author-uploaded multimedia files for conference DVD.

Mira: Yes, Mira will maintain the embedded files for access.

(x) Lu: Allow authors to verify that their links to multimedia contents are still valid after the automatic conversion by your conference proceedings paper submission website.

Mira: Yes, before submission Mira's website automatically generates a PDF for the author to preview and accept before final submission.

(xi) Lu: Create a second set of PDFs without links to comply with IEEE Xplore requirements (if necessary). – If this has to be done, the multimedia icons within the papers should not be removed. (In addition, at the beginning of the Table of Contents of the 2008 IEEE IUS Proceedings of IEEE Xplore, there could be the following prominent wording: "IEEE Xplore currently does not support linked PDF files on web. To visit multimedia contents, please download the multimedia package via the 'Multimedia' link, or purchase the 2008 IEEE IUS DVD, or joint the IEEE UFFC Society to visit the IEEE UFFC Digital Archive at: <http://www.ieee-uffc.org/digarchive.asp> " This note could also be added at the end of each abstract of multimedia paper displayed by the IEEE Xplore.)

Mira: Mira will work with IEEE-IUS committee members to adhere to these IEEE Xplore specific requirements.

(xii) Lu: Allow authors to verify their automatic PDF conversion result.

Mira: Yes, the PDF is generated before being submitted and requires author approval.

(xiii) Lu: Capture conference-requested author/paper data (e.g., conference session number and registration confirmation) during manuscript submission.

Mira: Yes, Mira can customize the site to configure the paper to the IEEE-IUS requested formatting, including the formatting of all papers into the Program Book.

(xiv) Lu: Since Mira system already know which abstracts have been accepted for publication, the meta data (such as the session number of the abstract should be the same as the paper number etc to save the time of the Proceedings Editor) of the accepted abstracts should be applied to the submitted proceedings papers automatically. Authors whose abstracts are rejected should not be allowed to submit papers by Mira software. The Proceedings Editor should be able to remove some papers that have not been presented during the conference although the abstracts may be accepted. Any other features of your software that may save time of the Proceedings Editor, who is also a volunteer, are always welcome. Ideally, the main tasks that the Proceedings Editor needs to do are to determined the Table of Contents of the Proceedings (the General Chair will provide all the front and back matters) after the paper submission deadline of November 5, 2008 and then the Mira software is able to do the rest including arrangement of multimedia contents automatically. Since some authors may change the titles of their papers and/or the number and order of authors in the submitted camera-ready papers, to be consistent between the Table of Contents that may be derived from the abstract submission database and the actual papers, Mira software should be able to automatically detect the differences using the PDF papers. If not, Mira software may need to allow authors to reenter the paper titles, author names, and affiliations if they are different from the abstracts. On the other hand, if the 2008 IEEE IUS later decide to require authors to strictly adhere to what have been accepted, the Mira software should also be able to accommodate.

(xv) Lu: Provide feedback to authors regarding the status of their submissions.

Mira: Yes, this can be achieved by an Automatic Email, or a specific Blast Email function. The web interface also contains the status information for individual authors.

(xvi) Lu: Provide technical support to authors in manuscript preparation, submission, conversion, approval, etc., via email and telephone help desk.

Mira: A personal Project Manager will be assigned to the Conference and will provide help-desk support 8:00 a.m. through 5:00 p.m. CST (GMT - 6) or CDT (GMT - 5) Next business-day response for off-hours support requests.

(xvii) Lu: Collect all author manuscripts via your conference proceedings paper submission and conversion system. The author creates a secure account from which the source document is uploaded — the status of the paper is available to the author on a 24/7 basis.

Mira: Yes, the author will retain the same login information as the abstract submission, but the site will be configured to the Paper submission protocols.

(xviii) Lu: Provide status reports of papers and projects to the conference organizer. – The status reports should be real time to allow the conference organizers to monitor the progress of the paper submission process 24/7 after entering Admin Username and Password.

Mira: Yes, all report features are real time and access is 24/7. We can even set up specific report generation to be sent out at regular intervals to be determined as needed by the committee.

(xix) Lu: Collect and log copyright forms electronically and follow up with authors and/or conference organizer regarding missing copyright forms.

Mira: Yes, we have several copyright options that have been historically successful with IEEE conferences. We are also familiar with the differences between Standard, US and Crown copyrights.

(xx) Lu: Forward or reroute queries and/or miscellaneous forms to conference organizer.

Mira: Yes, the Project Manager will have a relationship established with the conference organizer to handle all miscellaneous forms or queries.

(xxi) Lu: Arrange and coordinate delivery of PDFs for conference use as specified by conference organizer. – Our conference will need to place a copy of the PDF and multimedia files of the DVD on the IEEE UFFC Digital Archive.

Mira: Yes, Mira is happy to deliver in any files in any form to any place that IEEE-IUS requires. These after all are your files, we are merely collecting them for you.

(xxii) Lu: Deliver IEEE Xplore-compliant files to IEEE Abstract and Indexing and to IEEE Xplore.

Mira: Yes, as stated Mira is very familiar with the IEEE Xplore format and packing lists.

(xxiii) Lu: Force authors to submit a minimum 3 and maximum 5 keywords during their paper submissions.

Mira: Yes, Mira has performed this customization for many conference websites to make the papers easier to search. Please note that we will pay special attention to the creation of this keyword list so as not to have several nearly identical terms with different independent links.

(4) DVD-ROM mastering includes:

(i) Lu: Do project Management as described above.

Mira: Mira agrees to the Project Management above.

(ii) Lu: Identify manuscripts and organize them as indicated by the conference-provided list of papers (Table of Contents) for proceedings publication.

Mira: Yes, Mira agrees to organize all papers as directed in the Table of Contents.

(iii) Lu: Collect and organize front matter and back matter, as well as Table of Contents. – the front and back matters can be delivered to your company after August 15, 2008.

Mira: Yes, Mira agrees to accept all files and compose the IEEE-IUS DVD.

(iv) Lu: Identify copyright certification (i.e., General Terms, US Government OR Crown) and add appropriate copyright line to each paper.

Mira: Mira agrees to adhere to appropriate copyright procedures.

(v) Lu: Make sure page number of each paper within the proceedings is created.

Mira: Yes, page numbers will be added. We realize the importance of consistent numbering for article citation.

(vi) Lu: Create copyright page in accordance with IEEE Conference Publications and IEEE Intellectual Proprietary Rights.

Mira: Yes, Mira has a copy of the IEEE Conference and Intellectual Proprietary Rights page, or will use one provided.

(v) Lu: Create hyperlinks to enable DVD content search via Track, Session, Paper Title, Authors, keywords, in addition to text searches.

Mira: Yes, Mira will create all search functions requested.

(vi) Lu: Review entire DVD prototype to verify that (a) all files as indicated by the conference organizer (in the list of papers or Table of Contents) are included, (b) each page is viewable, (c) all links work, (d) author index and search tools are done properly, etc.

Mira: Yes, Mira goes through a rigorous Quality Control session for each DVD, as well as approval and suggestions from the IUS committee.

(vii) Lu: Coordinate DVD prototype review and feedback with conference organizer. – Both the conference Proceedings Chair and the General Chair would like to review the DVD prototype before it is final.

Mira: Yes, this is standard practice that Mira requires from all its clients

(viii) Lu: Make sure DOIs (digital object identifiers) are assigned to each digital object, including front cover, front matters, TOC, and so on of our proceedings. All digital files (both for DVD mastering and non-DVD mastering) delivered to the 2008 IEEE IUS should each has a DOI.

(5) DVD-ROM replication includes:

(i) Lu: DVD-ROM Mastering as described above.

Mira: Yes, Mira will make the Pre-Mastered Disk to the requirements stated in the section above Engineering and testing of navigational interface. Includes licensing of **indexSMART™** Premium Edition browse-and-retrieval utility; indexing all manuscripts for retrieval via single-screen drop-down menus by Title, Author Name(s), Subject/Keyword, full text and/or other relevant criteria as defined by client. Quality assurance testing of all DVD-ROM functionality on Windows and Macintosh platforms. (Includes up to 3 search criteria in addition to full text search.)

(ii) Lu: Create design of DVD booklet/backliner/label using customer-supplied material (copyright-cleared image and/or conference logo and/or sponsor logo/s) or adapt conference-provided design for Library-of-Congress compliance.

Mira: Yes, Mira will use all IUS supplied files and logos to create conference logo.

(iii) Lu: Coordinate manufacture and individual packaging of multiple DVDs, including the printing of DVD label.

Mira: Yes, Artwork processing for up to 4-colors on upper facing disc label only (Includes up to 2 hours design labor, minor corrections to source files, film separations, digital proofs. Assumes artwork is supplied in Quark

v3.3 or greater for Mac, or High-Res JPEG file using templates supplied by Mira.) and 4/1 printed 2-page folding front cover jewel case insert and 4/0 printed back cover/trayliner. (Specific PMS colors are available at additional cost.)
1,100 Sets.

(iv) Lu: Coordinate DVD deliveries as indicated by conference organizer: to societies/individuals and/or to conference and to IEEE Conference

Mira: Yes, Mira will work with conference organizer to coordinate shipping of DVDs to all intended parties. As a note all deliveries will be FOB, and shipping costs are not included in initial bid, but will be added at the end cost.

(v) Lu: Publications (as specified in the IEEE Letter of Acquisition).

Mira: Yes, Mira agrees to IEEE Letter of Acquisition.

(6) One way to implement the context-sensitive multimedia DVD:

Lu: There may be multiple ways to produce the context-sensitive multimedia DVD proceedings. However, I will present at least one way to do it as a starting point:

(i) Lu: Do everything the same as we have done in the past for IEEE IUS Proceedings that utilized a conference proceedings submission and production system.

Mira: Yes, Mira is willing to work with conference organizers with the experience of creating the Context-Sensitive Multimedia format to make a seamless flow on to the DVD.

(ii) Lu: Authors are allowed to place links in their IEEE Microsoft Word template the three types of multimedia icons (see http://www.ieee-uffc.org/tr/mexample_icons.zip) that we have used for the TUFFC in their papers. Authors make links to these icons that point to all of multimedia files in a single folder that is at the same level in the folder structure as the Microsoft Word file (we will provide clear instructions to authors how to make such links in Microsoft Word – it is simple). The folder will have the same name as the .doc file for easier management and identification but without the extension ".doc".

Mira: Yes, Mira has reviewed the .zip file system and it can be replicated.

(iii) Lu: Authors should zip the completed multimedia folder and then submit two files via the conference proceedings paper submission website. One is the .doc file and another is .zip file (designated for the multimedia folder) that will be recognized by the paper submission website (the paper submission website could have two links, one is for .doc file and the other is specifically for multimedia .zip file)

Mira: Yes, submitting two files with two separate links will be available.

(iv) Lu: Your company can program the web to automatically convert the .doc file to PDF in the same way as it always does but keeps the links that are embedded in the resulting PDF file intact (I can do this easily in my computer and you could try yourself so that you know exactly what I mean). The conference proceedings paper submission web will also automatically unzip the multimedia .zip file to reproduce the multimedia folder of the same name as the PDF file and place it at the same folder level as the converted PDF file.

Mira: Yes, maintaining the hyperlinks is simple and is the default behavior of our website. The automatic unzipping of the file will need to be custom coded. We created a similar system for the Optical Society of America several years ago and are familiar with the process.

(v) Lu: On the conference proceedings paper submission web site, instruct the authors to check carefully if their links are still valid after the conversion on the conference proceedings paper submission website. If not, the authors can fix it and reload the files. (We should test the conference proceedings paper submission website first to make sure the procedure above will work before the site is open to authors.)

Mira: Yes, Mira can put the specific instructions on the Author Information as a reminder to check the links. The PDF is then generated for review before final submission.

(vi) Lu: After authors are satisfied with the results and approve the submission, your company can then use the files to produce DVD, as we have done for the TUFFC that shows on the website: <http://www.ieee-uffc.org/tr/> .

Mira: Yes, Mira has reviewed the website and will work with committee members who are familiar with the process to produce a DVD that is equivalent to the current multimedia files.

(vii) Lu: When your company produces the DVDs, the only differences between the procedure of the 2008 IUS and that of previous IUS will be that for the 2008 IUS some PDF files will have folders that have corresponding file names containing multimedia files and some PDF files have a few multimedia icons in them with embedded links to indicate the types of multimedia files. For the links in the PDF files to be valid, the folder names and multimedia file names should not be changed during the DVD production. In addition, the multimedia folders should be placed at the same level as the PDF files (the folders should not be arbitrarily moved to a different location than when the links are created). The DVD product can be the same as conventional CD proceedings but when readers open a PDF paper with embedded links, they can click on them and experience the context-sensitive multimedia contents. The so called "context-sensitive" multimedia is developed by TUFFC and has the advantage that readers know exactly what these multimedia contents refer to since they are explained clearly already in the context of the papers. This is a real benefit to readers and should be a wonderful service to them. For example, TUFFC has both online and print versions. The print version has only multimedia icons without links apparently since 2003. However, if readers want to experience multimedia contents, they can always go online to the TUFFC website (<http://www.ieee-uffc.org/tr/>), to our digital archive from that website (<http://www.ieee-uffc.org/digarchive.asp>), purchase a CD of our digital archive, or go to IEEE Xplore. On the cover of each issue of TUFFC, readers have been guided to join IEEE UFFC Society to access the multimedia contents on line and the side benefit is that we get more membership for UFFC.

Mira: Yes, this is generally possible. In our experience, however, file-level hierarchies are not entirely cross-platform compatible. Specifically, certain versions of the Macintosh operating system may have difficulty following links. This is an issue that varies with the current release of Acrobat and the style of layout used for the DVD index. All we can guarantee is that we have experience with such problems and will create the most usable disc possible. Having shadow content on the web is an EXCELLENT idea and provides an accessible solution for any users who have problems with the DVD.

(viii) Lu: Using the same method of creating a self consistent multimedia zip package as a link for each multimedia paper (the package includes both the PDF file with embedded links and the corresponding multimedia file folder), readers could download the entire zip package and store it in their computers as a single file. When they need to read the paper with multimedia contents, they could simply unzip the file. In this case, there will be no need to connect to internet to read the multimedia contents. In addition, if for some reason that the links inside the PDF papers do not work over time, readers could always directly click the multimedia folder to access the multimedia files without going through the embedded links. (One could see <http://www.ieee-uffc.org/tr/mexample.zip> for example.)

(ix) Lu: For 2008 IEEE IUS, we will only allow authors who use Microsoft Word to produce multimedia papers if such restriction is necessary. In this case, other authors who do not have the capability to use the Microsoft Word (which may be rare in the IEEE UFFC Society) can always submit papers without multimedia as they used to. In addition, the multimedia file types and size limitations for TUFFC can also be applied to the 2008 IEEE IUS proceedings. The limitations on the type and the size of multimedia files as well as other aspects of the multimedia can be the same as those defined in the "Information for Contributors" of IEEE TUFFC.

Mira: Yes, the fact that you have already trained many of your authors to use these systems means that we will have even less trouble getting them to comply. The constraint on Microsoft Word is not very serious since most people have it. We would advise, however, not to require any particular version of Word past 5.1 (when many of these features were added) Microsoft has released many versions of Word, and the evolution has not always been a smooth one (see <http://www.wired.com/gadgets/Mac/news/2004/06/63848>) In many cases, features that work in old versions stop working in new versions. Because Mira collects submissions for

hundreds of conferences all over the world, we generally notice the problems before anyone else. We also have the advantage of being able to share this collective wisdom with all our customers. We have had several clients get into trouble because they REQUIRED their authors to use newer versions of a product, thinking that this would ensure smooth submissions. In general, we believe that IF you are going to require a version of Word that is be stated as "Authors must compose their submission using Microsoft Word version 5.1 or later" There are several reasons for using 5.1 as the starting point, despite the fact that the software is now over 15 years old. It is cross-platform, very stable, and handles embedded objects and links elegantly. Prior (and even some subsequent versions) are not so good. The only exception to this would be if support for Unicode characters was necessary, which in your case it is not.

(x) Lu: To ensure the procedure above works seamlessly, your company should allow the 2008 IUS to test the proceedings paper submission website that is customized for the 2008 IEEE IUS before the site goes live.

Mira: Yes, Mira welcomes and expects IEEE IUS organizers to thoroughly test and supply Mira with a comprehensive list of website modifications to achieve a mutually agreeable product.

Appendix T. Agreement - YesEvents Registration Services

Appendix T:

Agreement - YesEvents Registration Services

Attachment A - YesEvents Scope of Services

For 2008 IEEE International Ultrasonics Symposium

November 2-5, 2008, Beijing, China

This attachment is part of a contract and is developed based on the requirements of the registration procedure from Dr. Jian-yu Lu, General Chair, 2008 IEEE International Ultrasonics Symposium (IUS), which will be held from November 2-5, 2008 in Beijing, China. Any additions, modifications, and clarifications to this attachment shall be developed as amendment(s) to the contract. In the following, the 2008 IEEE International Ultrasonics Symposium will be referred to as **2008 IEEE IUS** and the registration company, YesEvents, will be referred to as **YesEvents**. Items preceded with “[Lu:]” are those more specific to the **2008 IEEE IUS**. The rest of the items are services routinely provided by **YesEvents** as a registration company, which is payment card industry (PCI) compliant in terms of security standards.

Section A. Facilities Provided by YesEvents

1. A U.S. Postal Service Address for the receipt of inquiries and registration materials is **2008 IEEE IUS**, C/O **YesEvents**, Post Office Box 32862, Baltimore, Maryland 21282.
2. A toll-free telephone number for registrants to make inquiries regarding the conference; that number is **(800)937-8728**. Telephone calls will be answered from 9:00 a.m. to 5:00 p.m. Monday through Friday Eastern Standard Time, USA.
3. A local telephone number for international registrants to make inquiries regarding the conference; that number is **(410)559-2236**. Telephone calls will be answered from 9:00 a.m. to 5:00 p.m. Monday through Friday Eastern Standard Time, USA.
4. A fax number for the receipt of facsimile messages is **(410)559-2217**.
5. An address for electronic mail (E-mail) that can be published in conference materials for the receipt of inquiries; the address will be **2008IEEEIUS@YesEvents.com**.
6. A fully equipped, staffed and trained office for the purpose of receiving and processing applications and answering questions regarding registration as further described herein.
7. **YesEvents** will designate an **Account Manager** to **2008 IEEE IUS** to coordinate various issues related to the registration.
8. A secure, on-line registration form designed and hosted by **YesEvents** with a link provided to **2008 IEEE IUS** for use on their web site.

Section B. Registration Services

1. **[Lu:]** The anticipated “live” date for the on-line registration form is **February 1, 2008**, unless otherwise informed.
2. **YesEvents** will design and test the registration database according to the printed registration form provided by **2008 IEEE IUS**. Once the database design and programming meets the needs of the conference, it will become operational.
3. **YesEvents** will process applications for the conference in the order they are received. The date received, processing time and date, form and amount of payment, all information on the registration form and such other data as may be requested by **2008 IEEE IUS** or become necessary to obtain will be used to complete the data entry phase of the registration process.

4. The **2008 IEEE IUS** registration database will also document correspondence and contact dates and information for each registrant.
5. **YesEvents** will be the exclusive Registration Company for the **2008 IEEE IUS** Conference.

Section C. Registration Methods

Registrations are to be received in the following manner:

1. Secure Internet
2. Facsimile
3. Mail

Section D. Support During On-site Registration Hours and Days

1. **[Lu:] YesEvents** will provide a phone (international phone) support during the night hours of USA when the on-site registration is going on. This is necessary because the Onsite Registration Company or onsite registrants might encounter some technical problems that prevent them from using the **YesEvents** web site and the time difference between China and USA is about 12 or 13 hours, depending on the daylight saving time in USA. It is crucial that the **YesEvents** database or web site is working during on-site registration since the Onsite Registration Company may not have any records of the registrants and thus serious problems would result if any database or computer server problems could not be solved in a timely manner.
2. **[Lu:]** The schedule for Onsite Registration is:

Saturday, November 1, 2008	6:00 p.m. - 9:00 p.m. Beijing Time
Sunday, November 2, 2008	7:00 a.m. - 7:00 p.m. Beijing Time
Monday, November 3, 2008	7:00 a.m. - 6:00 p.m. Beijing Time
Tuesday, November 4, 2008	7:00 a.m. - 5:30 p.m. Beijing Time
Wednesday, November 5, 2008	7:00 a.m. - 1:00 p.m. Beijing Time

Section E. Web Hosting, Design & Programming

1. **[Lu:] YesEvents** will program the on-line registration website to show registrants the advantage to register before **September 12, 2008** (show the differences between advance and regular registration in fees), but will only activate the selections applicable to advance registration before the deadline. After the deadline, only regular registration options will be available and **YesEvents** will make it clear on web so that registrants understand why they are paying more if they register after the deadline.
2. **[Lu:] YesEvents** will produce a link to a PDF registration form that will be finalized by **2008 IEEE IUS** before **February 1, 2008**, so that registrant can use for fax or mail registrations.
3. **YesEvents** will list a telephone number to provide technical support via telephone on the registration website.
4. Upon receipt of all text in Microsoft Word or a compatible format, **YesEvents** will create, program and host the event registration form that will duplicate the printed version of the registration form.
5. **YesEvents** will design a confirmation/receipt letter to be sent via e-mail to confirm receipt of the internet registration.
6. The on-line facility will be developed to verify **IEEE membership** status in consistence with current procedure that **YesEvents** uses for other IEEE societies.
7. Fees are based on an hourly rate of **\$xxxxx** per hour.

Section F. The Web Registration Development Process

1. **YesEvents** will submit a sample version of the on-line registration for the **2008 IEEE IUS** Conference Coordinator to review.
2. A form is designed and added to the **YesEvents** secure web site. This form will have the approval of the Conference Coordinator prior to its posting.
3. A link is provided to **2008 IEEE IUS** to incorporate into the conference information web site. Registrants will review the conference information and when they are ready to register they will click on the link provided by **YesEvents**.
4. The registrant completes the form and clicks submit. A message will be posted notifying the registrant that their credit card will be charged upon submission of the registration.
5. Using real time processing, the registrant's credit card account will be charged (using the **YesEvents** Merchant Account) and the money collected on behalf of the **2008 IEEE IUS** will be deposited weekly into the IEEE XXXXX Banking Account (i.e., the **2008 IEEE IUS** bank account (XXXXX)) as detailed in Section L, Item 7, of this Attachment. All registration data will be entered into the **2008 IEEE IUS** registration database.
6. Each on-line registrant receives an immediate email confirmation/receipt (developed and approved by **2008 IEEE IUS**) specifying that they have been registered for the conference. Additional details can also be added to this confirmation should **2008 IEEE IUS** so elect.
7. If the credit card is unable to be processed, the on-line registrant will receive an auto reply stating their transaction was not accepted and they are not registered for the conference. Additional instructions can be added to this message.

Section G. Report Center (Event Management Reports)

1. **[Lu:]** A **Report Center** of **YesEvents** is currently available for all customers of **YesEvents**. However, **YesEvents** has planned to update the **Reporting Capabilities** for all **YesEvents** customers, including **2008 IEEE IUS**. The update will allow a greater flexibility for users to sort and search data using different criteria, in addition to allowing users to download a **Microsoft Excel spreadsheet** (very important) that includes all (complete) data captured from registrants.
2. **2008 IEEE IUS** can access reports through **YesEvents** On-Line **Report Center** twenty-four (24) hours a day, seven (7) days per week. **2008 IEEE IUS** will have access to these reports for one (1) year after the conclusion of the conference.
3. All reports are real time (updated instantly) offering the most up to date information available at any given moment.
4. All the entries in the printed registration from of **2008 IEEE IUS** will have corresponding entries in the **2008 IEEE IUS** database. All entries of the **2008 IEEE IUS** database which correlate to reports already available on the **Report Center** can be viewed and used by **2008 IEEE IUS** via the **Report Center**.
5. **2008 IEEE IUS** reports will be available on-line once the first registration has been processed and can be downloaded into a Microsoft Excel format to sort data and to print.
6. Data resulting from this conference will be provided to **2008 IEEE IUS** in both ASCII format and in a Microsoft compatible format.
7. **[Lu:] YesEvents** will produce complete addresses (mailing lists in Microsoft Excel format) for those registrants who are eligible to receive DVD proceedings (most registrants are entitled to receive proceedings because their registration fees include it). If some registrants order additional DVDs, the number of DVDs ordered under their addresses should be more than one. In addition, if some registrants order the UFFC CD Archive, their complete shipping addresses should be produced separately because DVDs and CDs are produced by two different companies and these companies will ship products independently. These lists should also be available within the online **Report Center**.
8. A reprogramming fee of **\$xxxxx** per hour will apply should **2008 IEEE IUS** require customized reports to be added to the on-line **Report Center**. * **2008 IEEE IUS will be notified of the additional costs before any customization will be made and customization will proceed AFTER approval by 2008 IEEE IUS.** * (Note: Since and **Administrative Center** below is to be produced, the customization of the **Report Center** may not be necessary.)

Section H. Administrative Center (On-Site Administrative Web Site Services)

H.1. Specific services to be provided for On-site Registration Company:

1. [Lu:] An **Administration Center** (administrative web site) with a protection of username and password will be created and provided to **2008 IEEE IUS**. The On-site Registration Company will be able to use the username and password to log in to search for an attendee, enter and apply a cash payment after the on-line registration start on **November 1, 2008**. The "**To Pay Cash On-Site**" option should not be available on-line before **November 1, 2008** and will be terminated as soon as **2008 IEEE IUS** notifies **YesEvents** to minimize potential frauds. (The On-site Registration Company may need to enter data for some on-site registrants and authorize payments at the end of the conference if the on-site registration waiting lines are too long and thus some on-site registrants are asked to fill out paper registration forms only. If this happens, additional few days after the conference may be needed before all data of registrants are entered by the On-site Registration Company via the **Administration Center**).
2. [Lu:] The **Administrative Center** will remain available to the **2008 IEEE IUS** for one (1) year after the conclusion of the conference.
3. [Lu:] **YesEvents** is not currently set up to offer a **full view** of each database field by way of a single report that shows all fields in the database in the **Report Center**. However, data is available in different reports online in the **Report Center** that can be downloaded in Microsoft Excel format and manipulated. In addition, **YesEvents** is creating the function to access data below in the **Administrative Center**. This Center is being created especially for **2008 IEEE IUS**.
4. [Lu:] In the **Administrative Center**, **YesEvents** will provide access to all conference data. The search capabilities allow fast and convenient sorting to find information more quickly to enable busy on-site registration staff to perform their tasks efficiently and reduce waiting time. For example, a large registration database could take a long time to load, but the On-site Registration Company may only be interested in those who just registered with either credit cards or cash, which theoretically could be only a small subset of the database. Like in the **Report Center**, data accessible via the **Administrative Center** will be real-time (updated instantly) for the on-site registration to function properly. The issue of speed and subsets is no longer an issue.
5. [Lu:] In the **Administrative Center**, **YesEvents** will create a report that automatically calculates the amount of the On-site Registration Company owes to **2008 IEEE IUS** with a click of a button. The purpose of this report is to simplify the account reconciliation at a higher accuracy with the On-site Registration Company after the conference (the time for the account reconciliation will be short).
6. [Lu:] **YesEvents** will also provide the ability to do the following onsite using the **Administrative Center**:
 - a. Search/Sort by Last Name
 - b. Search/Sort by Confirmation Number
 - c. Search/Sort by a Range of Confirmation Numbers (Sequential Registration Number)
 - d. Search/Sort by Registration Date
 - e. Search/Sort by Registration Type
 - f. Display the following fields in the search results and be able to act on some items:
 - i. Sequential Registration Number
 - ii. First Name
 - iii. Last Name
 - iv. Organization
 - v. City
 - vi. State
 - vii. Country
 - viii. Vegetarian

- ix. Registration Type
- x. Indicate if the registration is complimentary or not
- xi. Add-ons (each item will be noted in a separate column with an indicator if the item was purchased)
- xii. Display Group Number and members of the group (guests and their corresponding main registrant will be in the same group)
- xiii. Once the registration materials are prepared for each group (there may be one or more members in each group), the On-site Registration Company should be allowed to make a check mark for the group. This should be one of the registration database entries.
- xiv. Form of Payment
- xv. Amount of Payment
- xvi. The ability to filter paid and unpaid, and list any and all payments made on the account.
- xvii. The ability to mark that a cash payment has been received and allocates the payment to the attendee
- xviii. The ability to mark that a cash payment has been received for attendees who have balance due
- xix. The ability to notify and alert the On-site Registration Company if a registration is cancelled
- xx. The ability to notify and alert the On-site Registration Company if a registration is changed since previous completed registration
- xxi. If a pre-registered attendee requests to add or remove some registration items on-site, some flexibility should be allowed for the On-site Registration Company to deal with the situation without compromising the system integrity and security.
- xxii. More items can be added prior to programming.

7. **[Lu:] YesEvents** will Include visual access to the following items (check the paper registration form that the **2008 IEEE IUS** will provide for details and add any items missing to the following list):

- a. Sequential Registration Number
- b. Last (Family) Name
- c. First (Given) Name
- d. E-Mail
- e. Company or Institution
- f. Street:
- g. City
- h. State/Province:
- i. Country
- j. Zip/Postal Code
- k. Telephone
- l. Fax
- m. IEEE Member Fee
- n. Member of (check all that apply): 0-IEEE, 0-UFFC
- o. Membership Number (if a box above is checked)
- p. Non-IEEE Member Fee
- q. Student Fee
- r. Student ID No.

- s. Retiree Fee
 - t. One-Day Registration (without Proceedings) Fee
 - u. Life Members Fee (\$0.00)
 - v. Additional CD/DVD Proceedings Fee
 - w. UFFC CD Archive (Available only to UFFC members) Fee
 - x. Short Course 1A Fee
 - y. Short Course 1B Fee
 - z. Short Course 1C Fee
 - aa. Short Course 2A Fee
 - bb. Short Course 2B Fee
 - cc. Short Course 2C Fee
 - dd. Short Course 3A Fee
 - ee. Short Course 3B Fee
 - ff. Short Course 3C Fee
 - gg. Guest Last (Family) Name(s)
 - hh. Guest First (Given) Name(s)
 - ii. Guest Fee(s) – Only 10 year or older need to register
 - jj. Monday Lunch Ticket(s) – Nov. 3, 2008
 - kk. Monday Evening Buffet Dinner Ticket(s) (with Two Drink Tickets) – Nov. 3, 2008
 - ll. Tuesday Dinner/Show Ticket(s) – Nov. 4, 2008
 - mm. Comments (add any additional items that the on-site registration team should know)
8. [Lu:] YesEvents will develop a prototype **Administrative Center** and allow **2008 IEEE IUS** to test and make suggestions. YesEvents will implement the changes suggested, if there are any, before **February 1, 2008**.
 9. [Lu:] The cost for design and programming of the **Administrative Center** above will be billed separately from the Internet registration form at the same fee of **\$xxxxx** per hour.

Section I. Registration Guidelines

1. [Lu:] To reduce the lines and speed up the on-site registration process, YesEvents should design an intuitive and legible (proper font sizes) web registration interface that requires only a few clicks of buttons to complete a registration for registrants. This is especially important for elderly registrants who may be slow in using mice and keyboards during the on-site registration.
2. [Lu:] The deadline for advance registration fee will be **September 12, 2008** (inclusive), Pacific Standard Time (PST), USA, and the fees that registrants need to pay may be higher after the deadline.
3. [Lu:] The **2008 IEEE IUS** Treasurer will be solely responsible for authorizing refunds, adjustments and granting price reductions for the conference. The current **cancellation policy** is as follows:

“There will be a **\$25.00 USD** service charge to process refunds for those who have pre-registered but who are unable, for whatever reason, to attend the conference, or those who would like to make changes to the registration resulting in a refund. A letter requesting the refund should state the registrant's name and to whom the refund check should be made payable. No refunds will be given for requests received after **Friday, October 17, 2008**. FAX the letter to 2008 IEEE International Ultrasonics Symposium at **(410)559-2217**.”
4. [Lu:] YesEvents will assign a **unique sequential registration number** to each main registrant who is responsible to pickup the registration materials on-site. In our conference, we have less than 1,300 attendees in total and thus the number could be from "0001" up to "1300". The sequential number for guests of a main registrant will also be a

sequential number but will be connected with the main registrant by a **group number**. A report will be available listing members of all groups. The On-site Registration Company will have to produce the packages in numerical order and then use the report of groups to put all group members together by the main registrant. Once the registration materials have been packaged for each group of registrants (there may be one or more members in each group), the **Administrative Center** should allow the On-site Registration Company to put a check mark for the group to avoid duplicate processing of a group member that may have a different **sequential registration number**.

5. **[Lu:] YesEvents** will email (or mail as necessary) the **sequential registration number** and a **receipt** of the registration to each registrant as a response to the registration. A clearly visible statement should be included in the email or mail: "**Please remember to use this registration number to pick up your registration materials when you arrive at the conference site. Using this number will greatly reduce the line and thus reduce your waiting time.**" If someone forgets the registration number, the Onsite Registration Company should be able to look up the registrant's name or other records that are provided by **YesEvents**, and then find out the registration number to locate the registrant specific package quickly. Therefore, the database in the **Administration Center** of **YesEvents** should be able to be sorted by registrant's names and other information also to find the corresponding registration numbers.
6. **[Lu:] YesEvents** guarantees it will process all applications for registrations **submitted by mail or fax** (this is not applicable to those register using credit cards) received at its office until the close of business on **Friday, October 17, 2008**. All subsequent applications received by **2008 IEEE IUS** will be processed on a best effort basis with those not completed by **YesEvents** to be processed on-site. In the event a registrant's application cannot be processed, **YesEvents** will notify the registrant and provide on-site registration instructions including the registration desk hours of operation.
7. **[Lu:] YesEvents** should not allow any changes or cancellations of registration after **October 17, 2008**. **YesEvents** should also provide a list of cancellations and changes to **2008 IEEE IUS** on **October 17, 2008** by sending an email to jilu@eng.utoledo.edu. **YesEvents** will assess the **\$25** processing fee from each cancelled registrant on behalf of the **2008 IEEE IUS**.
8. **[Lu:] YesEvents** will be responsible for updating its **Report Center** for any changes or cancellations so that the On-site Registration Company will be able to add/remove registration materials accordingly. For any such changes, a special notice should be provided to the On-site Registration Company so that they can be alerted. (For example, the On-site Registration Company may have prepared the materials for an attendee but later this attendee cancels the registration. It would be difficult for the On-site Registration Company to recheck all the registrants for those sequential registration numbers that have already been processed, and thus **YesEvents** software should alert the On-site Registration Company prominently and move those registrants to the unpaid category with a note "cancellation".)
9. **[Lu:]** Online registration will remain open until the **2008 IEEE IUS** requests that it be taken down. This is necessary because if the lines during the on-site registration are too long, the on-site registration company may ask some registrants to fill out paper registration forms and then the company will enter the data into the **YesEvents** database for those registrants during or at the end of the conference.
10. **YesEvents** will not process registration applications received without payment. **YesEvents** will advise those trying to register without payment that payment in full is required at the time of registration and upon receipt of payment in full the application will be processed. **YesEvents** will attempt to contact these potential registrants via e-mail or via facsimile if an e-mail address is not provided.
11. For registrations received via facsimile or regular mail, **YesEvents** will attempt to manually process credit card payments prior to entering the registration information into the database. Upon acceptance of the credit card transaction, **YesEvents** will process the registration. If a credit card transaction is not accepted, **YesEvents** will notify the applicant via the most expeditious means possible (whether e-mail, fax or regular mail) and ask the applicant to provide an alternate method of payment.
12. **YesEvents** will instruct any registrant requesting a refund or price reduction to do so in writing to **2008 IEEE IUS** in care of **YesEvents** according to the cancellation policy set forth by **2008 IEEE IUS**.
13. Registrations received without payment:
 - a. **YesEvents** will contact the applicant via e-mail to inform them that registration applications received without payment cannot be processed until payment in full has been received. Registration payments received after the advance registration cut-off date, **September 12, 2008**, will be subject to the on site registration fee.

- b. All applications received without payment will be held, unprocessed, until payment in full has been received.
 - c. All registration applications received but never paid for will be given to the **2008 IEEE IUS** for the purposes of adding them to the conference mailing list for future years.
14. For a period of **90** days from the end of the conference, **YesEvents** will also process refund credits to credit card accounts upon receipt of authority from the **2008 IEEE IUS** Treasurer.
15. **YesEvents** will attempt to collect accounts with open balances in the following manner:
- a. An invoice will be sent via e-mail upon receipt of the registration application.
 - b. Thirty (30) days prior to the conference, all outstanding balances will be invoiced.
 - c. Upon check-in at the On-site Registration Desks, accounts with balances due must be paid in full to the advance registration cashiers. The nametag and other on-site conference materials will not be given to the registrant until the balance is paid in full.
16. **2008 IEEE IUS** Conference Coordinator will be the sole contact for all matters pertaining to the Conference. **YesEvents** will comply with **2008 IEEE IUS** guidelines as to the maximum number of persons allowed for the Conference and for each Tutorial, Workshop or Short Course.

Section J. Complimentary Registration

1. **[Lu:]** Before the registration website open, **2008 IEEE IUS** will provide **YesEvents** a list of Invited Speakers and others who will receive a complimentary registration. All registrants who receive complimentary registrations should submit the registration forms via fax or regular mail before **September 12, 2007** in the same way as other registrants except that the payments are waived. However, any guests of the complimentary registrants have to be paid by the registrants. (Although the registration fees will be waived for these registrants, their data have to be accurate so that conference proceedings DVD, tickets, and other items could be handled properly.) In the alternative, 2008 IEEE IUS can assign an **Invitation Code** that will be programmed to allow these folks to register without paying the registration fee. They can be registered as "XXXXX". Any additional items, such as a guest registration, short courses, and any meals not included in registration will require a payment. The alternative approach is preferred. **YesEvents** will let the **2008 IEEE IUS** know the approach it will use so that the **2008 IEEE IUS** could let the complimentary registrants know how to register properly (for example, the **2008 IEEE IUS** will need to know the **Invitation Code** before the registration site is open).

Section K. Establishing a Credit Card Merchant Services Facility

1. **VISA/MasterCard/Bankcard** cards will be accepted for **2008 IEEE IUS**.
2. **American Express** card will also be accepted for **2008 IEEE IUS**. It is important to note that non-bank credit card payments (AMEX) impose additional delay in remittances that can result in slower payment to **2008 IEEE IUS** for sales. However, American Express is widely used by many Government purchasers.
3. As a component of the services to be provided for the **2008 IEEE IUS**, **YesEvents** will establish a unique Merchant Services Agreement (Credit card account or DBA account) in its name for the purpose of accepting payment via credit card for attendance. This unique account will make possible the name of **2008 IEEE IUS** to show on a registrant's credit card statement and for **YesEvents** to provide **2008 IEEE IUS** with detailed financial reports and account reconciliation.
4. Establishing this Merchant Services Account makes **YesEvents** entirely liable to the credit card processing company for all funds received via credit card for your event. This is true because if the **2008 IEEE IUS** fails to produce and deliver the event or the purchaser refuses to pay their credit card bill or "charges back" the purchase price for any other reason, the credit card processor will look to **YesEvents** to repay all amounts in dispute.
5. To provide this facility, it was necessary for **YesEvents** to provide the credit card processor with sufficient financial resources and guarantees to support the full amount to be collected from all credit card sales by every registrant for **2008 IEEE IUS**.

6. The **2008 IEEE IUS** is now on notice that this Agreement places the **2008 IEEE IUS** entirely responsible for the full cost of any and all charge back expenses or other charges to **YesEvents** that may result as a consequence of a registrant's failure to pay the amounts charged to their credit card account for attendance. In addition, the **2008 IEEE IUS** agrees to pay, as an additional fee, the sum of **\$xxxxx** for each charge back received.
7. The **2008 IEEE IUS** acknowledges receipt of advice from **YesEvents** to take all reasonable precautions to guard against charge back abuse. Primary to these efforts is the publication of an explicit cancellation and refund policy. Moreover, **YesEvents** will employ every reasonable means provided by credit card processors to guard against fraudulent purchasers.
8. **YesEvents** advises the **2008 IEEE IUS** that charge back expenses have never accounted for more than a tiny fraction of expense and, as a practical matter, should be of little concern.
9. MasterCard and Visa each traditionally adjust their fees once each year by changing the discount rate applied to sales. These annual adjustments usually range from xxxxx% and xxxxx% (between xxxxx cent and xxxxx per every one hundred dollars charged). **YesEvents** will pass through all increases in discount rates and miscellaneous transaction fees imposed by credit card companies.
10. From time to time, credit card payment processors assess a surcharge to certain credit card transactions to reflect a higher than standard collection risk or to offset the added costs for other conditions. **YesEvents** has no ability to predict or avoid these surcharges and they will be passed through to the **2008 IEEE IUS** in their entirety.
11. The **2008 IEEE IUS** will remain liable to **YesEvents** for the total amount collected from credit card sales that **YesEvents** sends to **2008 IEEE IUS**. To provide **YesEvents** with security that this obligation could be met, it will be necessary for **2008 IEEE IUS** to provide information that such financial resources exist and clearly identify the persons or organizations responsible for such repayment.
12. It is recommended, although not required, that the **2008 IEEE IUS** obtain Event Cancellation Insurance for this conference.

Section L. Merchant Services Fees

1. **YesEvents** will establish a merchant account for the exclusive use of the **2008 IEEE IUS**. The fee to establish the merchant account is **\$xxxxx** to cover the administration and application fees.
2. The credit card statement will show the merchant to be **2008 IEEE IUS**.
3. The processing fee for **VISA/MasterCard/Bankcard** credit card payments is **xxxxx%** per transaction.
4. The processing fee for **America Express** credit card payments is **xxxxx%** per transaction.
5. **YesEvents** will collect all funds paid by credit card into a **YesEvents** account and remit the net amount (amount of registration fees processed minus the appropriate processing fee-see above) to the **2008 IEEE IUS**.
6. Reports that functionally duplicate those prepared for check payments will be prepared and sent to the **2008 IEEE IUS** Treasurer on Fridays to reflect payments received and processed as of 72 hours earlier.
7. **YesEvents**, after reconciliation of the **2008 IEEE IUS** credit card account, will prepare a check to be deposited into the **2008 IEEE IUS** bank account representing registration fees received for the **2008 IEEE IUS** minus the applicable processing fee (see Items 3 and 4). Payment will be remitted on a weekly basis once the contingency fund has been met. **YesEvents** will be responsible for the actual deposit of these checks into the **2008 IEEE IUS** bank account (xxxxx).
8. Payments to the **2008 IEEE IUS** from **YesEvents** representing registrations made by credit card will be the net amount received and will reflect the costs **YesEvents** incurs to operate the Merchants Services Facility. By way of example, if a registrant pays \$xxxxx via **VISA or MasterCard** credit card, the net received by the **2008 IEEE IUS** will be reduced by \$xxxxx for transaction processing, account reconciliation and charges for software and licenses. This will reduce the payment to the **2008 IEEE IUS** to \$xxxxx for a registration fee equaling \$xxxxx.
9. The **2008 IEEE IUS** will absorb a **\$xxxxx** fee for each charge back, if there is any.
10. A contingency fund equal to the full cost of **xxxxx** registrations will be reserved by **YesEvents** for **90** days following the conference to offset the potential cost of credit card charge backs.

11. After offsetting the fees described in this section, **YesEvents** will be liable to remit 100% of the funds charged to attendees' credit card accounts and placed in the **2008 IEEE IUS** account.

Section M. Financial Controls

YesEvents will maintain strict financial controls and produce auditable statements for each transaction. All transactions will be documented to avoid any accounting inconsistency. It is recommended that financial transactions are handled in the following manner, however, **YesEvents** and the **2008 IEEE IUS** Treasurer will develop the accounting procedures that will be followed.

Each day, registrations accompanied by payment that are processed through a **YesEvents merchant account will be processed in the following manner:**

M.1. 2008 IEEE IUS Account Information

xxxxx

xxxxx

The Institute of Electrical and Electronics Engineers, Incorporated

2008 IEEE Ultrasonics Symposium xxxxx

The account number: xxxxx

Deposit Routing Number: xxxxx

M.2. Check Payments

1. For check payments **2008 IEEE IUS** will need to provide a Bank Deposit Stamp "**For Deposit Only**" and the **2008 IEEE IUS** Bank Account Number, and a supply of bank deposit slips.
2. All checks will be stamped "**For deposit only**" using a deposit stamp provided by the **2008 IEEE IUS** Treasurer. The deposit stamp should include the **2008 IEEE IUS** bank account number.
3. Transaction information, including the check number, the bank name and routing number, date and amount will be entered into the registration database.
4. A check deposit report will be printed in duplicate. One copy of this report will be paired with a separately prepared printed adding machine tape listing the amount of each check, the bank deposit slip (provided by the **2008 IEEE IUS** Treasurer) and a photocopy of each check deposited. This report will be sent to the **2008 IEEE IUS** Treasurer each Friday.
5. **YesEvents** will make the actual deposit into a local branch of the **2008 IEEE IUS** bank account (xxxxx). A deposit will be sent each day that a check deposit has been made.
6. The second copy of the daily deposit report will be paired with a separately prepared printed adding machine tape listing the amount of each check, a photocopy of each check deposited and a photocopy of the bank deposit slip. This report will be kept in the **YesEvents** registration office.
7. Check stubs (if provided) will be attached to the applicable registration form(s).

M.3. Credit Card Payments

1. Registrations paid by credit card are charged in real time and the transaction is batched with other credit card transactions for the **2008 IEEE IUS** conference. An automated settlement is performed each day.
2. The credit card statement will show the merchant to be **2008 IEEE IUS** Baltimore, MD.
3. Each settlement is deposited into a xxxxx bank account established exclusively for the **2008 IEEE IUS**.

4. Each week the deposits are recorded into our accounting software allowing us to accurately track and monitor amounts owed to the **2008 IEEE IUS**.
5. Checks that represent these credit card payments less the processing fees will be deposited into a local branch of the **2008 IEEE IUS** bank account.
6. A spreadsheet listing the registration payments included in the check payment will accompany the check and original deposit slip will be sent to the **2008 IEEE IUS** Treasurer via trackable mail.
7. **YesEvents** is responsible for reconciling the account to ensure that the database matches the merchant services account and the deposit account. Reports are available upon request.
8. **YesEvents** cannot be responsible for paying **2008 IEEE IUS** for any uncollected unpaid balances.

Section N. Acceptance Signatures for Attachment A

2008 IEEE IUS:

Name: Jian-yu Lu

Title: General Chair, 2008 IEEE IUS

Date: November 27, 2007

Signature:

YesEvents:

Name: xxxxx

Title: xxxxx

Date: December 12, 2007

Signature:

Attachment B – Fees, Payment Schedule, and Time Line

**For 2008 IEEE International Ultrasonics Symposium
November 2-5, 2008, Beijing, China**

Section A. General and Contact Information

Conference Name:

2008 IEEE International Ultrasonics Symposium

Conference Date:

November 2-5, 2008 (On-site registration will start on November 1, 2008)

Conference Location:

Beijing International Convention Center
No.8 Beichendong Road Chaoyang District, Beijing
Beijing, China

Conference Contact:

Dr. Jian-yu Lu, General Chair
2008 IEEE IUS
5037 Nitschke Hall
Department of Bioengineering
The University of Toledo
Toledo, Ohio 43606, USA
Tel. (419)530-8079
Fax: (419)530-8076
Email: jilu@eng.utoledo.edu

Invoice Contact (with a Copy to the Conference Contact Above):

Dr. Jan Brown, Treasurer
2008 IEEE IUS
JB Consulting
35 Webber Road
West Whately, MA 01039
Tel. (413)665-7624

Email: Jan.brown@ieee.org

Section B. Fees

Database Set-Up: \$xxxxx (to be included in initial deposit)

Merchant Services Set-Up: \$xxxxx (to be included in initial deposit)

Web Form: (xxxxx% of the estimated fees to be included with the deposit, balance due upon completion and 2008 IEEE IUS's approval of the web form)

Estimated # of Hours: xxxxx or \$xxxxx in total (\$xxxxx per hour)

On-line *Administrative Center*:

Fees: \$0.00 (Fees are included in the item "Web Form" above with a total of estimated xxxxx hours)

Availability: Available on line for one year after the conference

On-line *Report Center*:

Fees: \$0.00 (Fees are included in the registration fees above)

Availability: Available on line for one year after the conference

Printed Reports (if needed): \$xxxxx plus delivery per report per addressee

Registration Costs: (1000 total registrations guaranteed for \$xxxxx)

Received via Internet: \$xxxxx per registration, regardless of status (based on 1000)

Received by Any Other Means: \$xxxxx per registration, regardless of status

Merchant Account Fees (Use Account Established by YesEvents):

Visa/MasterCard: xxxxx%

American Express: xxxxx%

Section C. Down Payment

Total Down Payment: \$xxxxx (Due when the contract is signed by both parties)

Merchant Account Set-Up: \$xxxxx

Database Set-Up: \$xxxxx

50% of Estimated xxxxx-Hour of Web Programming: \$xxxxx

First Installment of Registration Fee: \$xxxxx

Section D. Registration Fee Installment Payment Schedule

Remaining Registration Fee Installment (Total: \$xxxxx):

1st Installment of Registration Fee: \$xxxxx, Due Date: *March 1, 2008*

2nd Installment of Registration Fee: \$xxxxx, Due Date: *April 1, 2008*

3rd Installment of Registration Fee: \$xxxxx, Due Date: *May 1, 2008*

4th Installment of Registration Fee: \$xxxxx, Due Date: *June 1, 2008*

5th Installment of Registration Fee: \$xxxxx, Due Date: *July 1, 2008*

6th Installment of Registration Fee: \$xxxxx, Due Date: *August 1, 2008*

7th Installment of Registration Fee: \$xxxxx, Due Date: *September 1, 2008*

8th Installment of Registration Fee: \$xxxxx, Due Date: *October 1, 2008*

Section E. Final Balances Due

Costs to Include the Following Items:

Remaining Balance of Web Form (Web Programming):

Fee: *TBD* (Actual # of hours multiplied by \$xxxxx per hour, minus the initial deposit of \$xxxxx) – **YesEvents** does not expect to surpass the minimum (xxxxx hours – see **Section B** of **Attachment B** under “**Web Form**”).

Due Date: Upon the completion of web programming

Administrative Center (Administrative Web Site) Development:

Fee: *TBD* (Fees are included in the item “**Web Form**” above)

Due Date: Upon Completion

Registrations over 1000:

Fee: *TBD* (Not already invoiced)

Due Date: 30 Days following the Conference

Other Expenses:

Fee: *TBD*

Due Date: 30 Days following the Conference

Section F. Time Line and Deadlines:

Contract & Deposit Due: *Upon Signatures by Both Parties* (2008 IEEE IUS and **YesEvents**)

Paper Registration form to **YesEvents** for web design: *As soon as the 2008 IEEE IUS budget is finalized* (preliminary short course names and course instructors' names may be provided but they are subject to changes before the site is live), or, if **YesEvents** prefer, preliminary registration fees could be provided but they are subject to changes before the site is live.

YesEvents to Design Registration Database and Create Web Form: *December 16, 2007 - January 15, 2008*

YesEvents/2008 IEEE IUS test web form: *TBD*

Site live: *February 1, 2008*

Section G. Acceptance Signatures for Attachment B

2008 IEEE IUS:

Name: Jian-yu Lu

Title: General Chair, 2008 IEEE IUS

Date: November 27, 2007

Signature:

YesEvents:

Name: xxxxx

Title: xxxxx

Date: December 12, 2007

Signature:

Appendix U. Contract - 2nd TPC Hotel for 2008 IEEE IUS

Appendix U:

Contract - 2nd TPC Hotel for 2008 IEEE IUS



GROUP ROOMS AND CATERING CONTRACT

ORGANIZATION: IEEE UFFC Society

CONTACT:

Name: Dr. Marjorie Passini Yuhas, Ph.D
Address: c/o Industrial Measurement Systems, Inc. Suite 4
Address: 2760 Beverly Drive
City, State: Aurora, IL
Postal Code: 60504
Phone Number: 630-236-5901 Ext.
Fax Number: 630-236-5982
E-Mail: mapy1948@hotmail.com

OFFICIAL PROGRAM DATES: Friday, June 1 - Sunday, June 15, 2008

Pursuant to this contract, once accepted, IEEE UFFC Society will hold a meeting at DoubleTree O'Hare-Rosemont Hotel.

MEETING DATES AND GUEST ROOM BLOCK

Once this contract is accepted, we will remove from our inventory and consider sold to you for your use room nights pursuant to the following arrival and departure pattern:

	6/13/2008	6/14/2008
Run of House	30	10
2007 History	28	16

Total Room Nights: **40**

GUEST ROOM RATES

Room	Single Rate	Double Rate
Run of House	\$xxxxx	\$xxxxx

Room rates quoted above are non-commissionable, net rates, subject to tax, which is currently 13%.

U.1.

Client Initial_____

SPECIAL CONCESSIONS

In consideration of the Total Room Nights and the functions identified on the Function Information Agenda/Event Agenda, Hotel will provide Group Name the following special concessions:

1. One Upgrade to an Executive King room at group rate.
2. Complimentary wireless internet is available throughout the public space of the Hotel.

ROOM RESERVATION PROCEDURES

From the moment this contract is accepted, we will be holding your contracted guest room block for the use of your attendees. The hotel has no obligation to provide room nights beyond those contained in the room block.

Reservations will be made by **Individual Call-In**, which we need to be confirmed by **Thursday, May 22, 2008**. For call-in groups, reservations may be confirmed by calling the Doubletree Hotel O'Hare - Rosemont directly at 847-292-9100, or toll-free at 800-222-TREE. Fax requests for reservations should be sent to the attention of the Reservations Department at 847-292-9295.

Twenty one days prior to your arrival date, all room nights which have not been reserved as described above will be deemed to be room nights which your group will not use, and they will become subject to the attrition provisions herein. Such room nights will at that date be returned to the hotel's general inventory. Reservation requests from your attendees received less than twenty one days prior to your arrival date will be accepted on a space available basis, at the higher of the contract rate or rate available at that time. Should such requests be accepted, such room nights will be credited to your block for purposes of any calculation of attrition.

GUARANTEE POLICY

All reservations must be accompanied by a first night room deposit, or guaranteed with a major credit card or by IEEE UFFC Society. Hotel will not hold any reservations unless secured by one of the above methods.

Individual reservations must be cancelled not later than **72 hours** prior to intended arrival in order to avoid cancellation charges. Please advise your guests to obtain a cancellation number from our reservations agent or we cannot guarantee a credit will be issued.

RESERVATION DUE DATE

Reservations by attendees must be received on or before **Thursday, May 22, 2008**, (the "Reservation Due Date"). At the Reservation Due Date, Hotel will review the reservation pick-up for the Event, release the unreserved rooms for general sale, and determine whether or not it can accept reservations based on space- and rate-available basis at the group rate after this date.

Release of rooms for general sales following the Reservation Due Date does not affect IEEE UFFC Society obligation, as discussed elsewhere in this agreement, to utilize guest rooms.

CHECK-IN / CHECK-OUT

Rooms are available for check-in **after 3:00 p.m.** and checkout time is **12:00 noon**. If for any reason, rooms are not available when your guests arrive, we will be delighted to store luggage for them. We will also store luggage those guests who may require a delayed departure. The Hotel would appreciate receiving for flight arrival times for your group, if available. Any attendee wishing special consideration for late checkout should inquire at the front desk on the day of departure. Should the Hotel allow for late check-out, it may impose a half day rate.

EARLY CHECK-OUT

Any guest who departs the hotel ahead of his or her schedule date of departure will be charged **one night** room and tax in addition to any charges accrued during their stay. Guests will have the opportunity to verify and amend their departure date at check-in without penalty.

GUEST ROOM CHARGES

It is our understanding that your guests will pay their own account upon departure. Group assumes full and sole responsibility for informing all attendees of the room rate and applicable taxes. When reservations are made, we will require a deposit equal to the room rate and tax for the first night for each reservation. An individual's deposit is refundable to that individual if the Hotel receives notice of an individual's cancellation at least 3 days prior to scheduled arrival, though this shall have no bearing upon the groups total liability pursuant to either the attrition or cancellation clauses herein. Upon check-in, each guest will be required to present a valid credit card upon check-in, on which an amount of sufficient pre-authorization can be obtained to cover the room and tax charges and hotel fees for the length of the guest's stay, plus the anticipated use of the hotel's ancillary services, and we require each guest's home/business address and e-mail address.. Should any guest not settle his or her account in full upon departure, the group will be responsible for those charges.

FOOD & BEVERAGE / MEETING REQUIREMENTS

The hotel will provide all of the function space you require in accordance with the schedule of events which is described below for a rental fee of \$xxxxx, in recognition of the revenue we will derive from the provision of room nights and food and beverage services and ancillary services hereunder. Room rental is subject to a xxxxx% service charge. The hotel reserves the right to adjust function space at the reservations due date based on attendance at levels lower than contracted. Please ensure that the schedule below includes all space necessary to accommodate set-up and break-down times, all audio-visual needs, head tables and displays.

Should you desire additional food and beverage services and/or meeting space beyond that specified in the schedule of events below, please advise us as soon as possible so that we may attempt to secure such additional space for your use. The hotel reserves the right to make reasonable substitutions in meeting and banquet rooms and/or menu selections. Diagrams and identification of the hotel's meeting space to be used for your meeting may not be disseminated by the group without the hotel's prior approval.

ANTICIPATED ROOM NIGHT AND BANQUET FOOD & BEVERAGE REVENUE FIGURES

At this time, the hotel is holding xxxxx room nights for your use over the contracted dates, which will generate total revenues of \$xxxxx. Planned banquet food and beverage revenue is \$xxxxx. These figures shall be referred to herein as the "Anticipated Room Night and Banquet Food and Beverage Revenue Figures." All food and beverage is subject to a xxxxx% service charge. All revenue figures are net and not inclusive of taxes, service charge or commissions.

SCHEDULE OF EVENTS

Date	Start Time	End Time	Function	Set up	Agr
6/14/2008	7:30 AM	8:30 AM	Breakfast	Existing	60
6/14/2008	8:00 AM	6:00 PM	General Session	Classroom	60
6/14/2008	8:00 AM	6:00 PM	Breakout	Conference	15
6/14/2008	8:00 AM	6:00 PM	Breakout	Classroom	15
6/14/2008	8:00 AM	6:00 PM	Breakout	Classroom	15
6/14/2008	8:00 AM	6:00 PM	Breakout	Classroom	15
6/14/2008	10:00 AM	10:30 AM	Break	Existing	15
6/14/2008	10:00 AM	10:30 AM	Break Coffee	Existing	15
6/14/2008	10:00 AM	10:30 AM	Break	Existing	15
6/14/2008	10:00 AM	10:30 AM	Break	Existing	15
6/14/2008	10:00 AM	10:30 AM	Break	Existing	15
6/14/2008	12:00 PM	1:00 PM	Lunch	Rounds	15
6/14/2008	2:00 PM	2:30 PM	Break Coffee	Existing	15
6/14/2008	2:00 PM	2:30 PM	Break	Existing	15
6/14/2008	2:00 PM	2:30 PM	Break	Existing	15
6/14/2008	2:00 PM	2:30 PM	Break	Existing	15
6/14/2008	2:00 PM	2:30 PM	Break	Existing	15
6/15/2008	8:00 AM	12:00 PM	Meeting	Conference	20

BANQUET SERVICES

You have agreed to hold the food and beverage events set forth in the attached program schedule.

Because food and beverage prices fluctuate in accordance with market conditions, menu prices for planned food and beverage functions will be established not earlier than six (6) months prior to your event. For your information and guidance, our current menu prices are as follows:

Continental Breakfast:	\$xxxxx per person
Breakfast:	\$xxxxx per person
Breakfast Buffet:	\$xxxxx per person
Lunch:	\$xxxxx per person
Lunch Buffet:	\$xxxxx per person
Dinner:	\$xxxxx per person

Upon request, copies of proposed menus will be provided. The quotations listed do not include taxes and service charge, which are currently xxxxx% tax and xxxxx% taxable service charge.

Until specific menus and prices are established, Hotel will compute any performance or cancellation damages due using the minimum menu prices above and number of attendees listed in the program schedule.

PARKING

Parking is available in the Rosemont Convention Center parking garage at the cost of \$xxxxx per car, payable in cash only upon entering. Valet parking is also available at the front of the Hotel \$xxxxx for day use (8am – 6pm), \$xxxxx for overnight parking, per car, per night.

ROOM BLOCK AND SERVICES COMMITMENT

When you contract for a block of rooms and meeting facilities and for food and beverage services, those room nights, facilities and services are removed from our inventory and considered sold to you, and the hotel makes financial plans based upon the revenues it expects to achieve from your full performance of the contract. It is impossible for the hotel to know in advance whether or under what circumstances or at what rates it would be able to resell your contracted room nights, services or facilities if you do not use them, either as the result of a cancellation of your meeting or as the result of less than contracted room block usage or less than contracted usage of food and beverage functions ("attrition"). In most instances, when groups do not use their contracted room nights or services, the hotel is unable to resell those room nights or services and even when room nights or services are resold, they are generally not resold at the same rates, may be resold to groups which would have utilized the hotel at another time, are not resold to groups that have the same needs as the original group, etc. Even when rooms or services may be resold, it is costly to re-market the rooms and facilities, and such efforts divert the attention of our sales staff from selling the hotel's rooms and facilities at other times. While your room block has been held out of our inventory, we may have turned away more lucrative groups in order to meet our commitment to you.

For all these reasons and others, we agree that in the event of cancellation or attrition, the following charges, which represent a reasonable effort on behalf of the hotel to establish its loss prospectively, shall be due as liquidated damages. Because the hotel reasonably expects to derive revenue from your meeting above and beyond that revenue derived from the provision of room nights and food and beverage services, and because it is difficult to estimate the actual revenue which may be derived from your meeting, the amounts due as and for liquidated damages are intended to compensate the hotel for all of its losses associated with cancellation and/or attrition.

ATTRITION

We agree to allow for a xxxxx% reduction in each of the "Anticipated Room Night and Banquet Food and Beverage Revenue Figures", provided that you make a written request for that reduction between now and 60 days prior to your arrival date. At the conclusion of your meeting, we will subtract the rooms revenue derived from your meeting (excluding revenue derived from pre and post program stays) and the amount of any permissible attrition you have taken from the Anticipated Room Night Revenue Figure set forth above. Any remaining amount will be posted as a charge to your master account, plus applicable taxes. Additionally, at the conclusion of your meeting, we will subtract the banquet food and beverage revenue derived from your meeting and the amount of any permissible attrition you have taken from the Anticipated Banquet Food and Beverage Revenue Figure set forth above. Any remaining amount will be posted as a charge to your master account, plus applicable taxes and service charges.

At the reservations due date, as established above, we will calculate the amount of room attrition which we anticipate will be due. We will advise you of that amount shortly thereafter, and that amount will be due immediately upon receipt of our invoice. Upon receipt of your payment, that amount will be credited to your master account and will be applied to the final calculation of rooms and food and beverage attrition upon the conclusion of your meeting.

CANCELLATION

In the event of a group cancellation occurring 0 to 90 days prior to arrival, liquidated damages in the amount of ninety percent of the "Anticipated Room Night and Banquet Food and Beverage Revenue Figures" will be due, plus applicable taxes and service charges.

In the event of a group cancellation occurring 91 to 180 days prior to arrival, liquidated damages in the amount of eighty percent of the "Anticipated Room Night and Banquet Food and Beverage Revenue Figures" will be due, plus applicable taxes and service charges.

In the event of a group cancellation occurring 181 to 365 days prior to arrival, liquidated damages in the amount of seventy percent of the "Anticipated Room Night and Banquet Food and Beverage Revenue Figures" will be due, plus applicable taxes and service charges.

In the event of a group cancellation occurring between the time of acceptance of this contract and 366 days prior to arrival, liquidated damages in the amount of fifty percent of the "Anticipated Room Night and Banquet Food and Beverage Revenue Figures" will be due, plus applicable taxes and service charges.

BILLING PROCEDURES AND DEPOSIT SCHEDULE

Please complete the enclosed direct bill application and return it to our Accounting Department at least 30 days prior to your meeting so that we may attempt to approve credit for your meeting. In the event that credit is not requested or is not approved, pre-payment of your total estimated Master Account will be due prior to your arrival, in accordance with a schedule to be determined by the hotel at its sole discretion. Under such circumstance, failure to remit the appropriate pre-payment on a timely basis will be considered a cancellation by the group and the group shall be liable for amounts as described in the cancellation provisions.

The following items shall be charged to the Master Account: banquet food and beverage charges, attrition charges (if any), meeting space rental charges, cancellation charges (if necessary), and any other charges billed to the Master Account at the request of the authorized representative of the group, as designated by the group in advance of the commencement of the meeting. Moreover, all third party charges for services and/or supplies, not directly supplied by the Hotel, will be billed to the Master Account whether they have been arranged for by the Hotel or directly by the Group. A handling fee in the amount of xxxxx% of all third party charges will be assessed if placed on the Master Account. Group further agrees that all charges associated with use of the grounds, function space, facilities and services of the Hotel by its vendors shall be posted to the Master Account.

A final bill, containing receipts and other back-up information, will be mailed to the Group within 5 business days of the Group's departure. Master account charges may be paid in the form of cash, check or bank transfer. All master account charges not paid within 30 days of the billing date will bear interest at the lower of the rate of 1.5% per month, compounded monthly, if permissible by law, or the highest rate permissible by law. Should the hotel, in its sole discretion, deem collection action necessary in regard to outstanding balances hereunder, all costs associated with that collection action, including attorney's fees, shall be posted to the master account.

Individual guest accounts are payable at check-out by cash or credit card.

FORCE MAJEURE

No damages shall be due for a failure of performance occurring due to Acts of God, war, terrorist act, government regulation, riots, disaster, or strikes, any one of which make performance impossible. The Hotel shall have no liability for power disruptions of any kind.

SHIPPING / PACKAGE POLICY

When shipping boxes to the hotel, please include the following -

- Date of meeting
- Group name
- Contact person

Be advised packages should arrive 3 days before your meeting and any packages that are not picked up within 5 Days after the meeting will be disposed of. The charges for packages coming in to the hotel are as follows.

- 1-3 packages are free if they are less than 40 lbs.
- For four or more packages are \$xxxxx per package under 40 lbs.

All packages weighing more than 40 pounds will have an added xxxxx per pound charge.

CHANGES, ADDITIONS, STIPULATIONS, OR LINING OUT

Any changes, additions, stipulations or deletions including corrective lining out by either Hotel or IEEE UFFC Society will not be considered agreed to or binding unless such modifications have been approved in writing by the other in the form of a contract or addendum provided by the hotel.

OUTSIDE CONTRACTORS

The Hotel offers all services necessary for a successful meeting. However, if Group finds it necessary to use outside services, any companies, firms, agencies, individuals and groups hired by or on behalf of Group shall be subject to prior approval of the Hotel. Upon prior reasonable notice to the Hotel from Group, Hotel shall cooperate with such contractors and provide them with facilities at the premises to the extent that the use and occupancy of the facilities by the contractor does not interfere with the use and enjoyment of the Hotel premises by other guests of the Hotel. Group's contracts with its contractors will all specify that contractor and the group will indemnify and hold the Hotel harmless from any and all damages or liabilities which may arise by such Contractors or through their use.

INSURANCE AND INDEMNIFICATION

Hotel and IEEE UFFC Society each agree to carry and maintain and provide evidence of liability and other insurance in amounts sufficient to provide coverage against any claims arising from any activities arising out of or resulting from the respective obligations pursuant to this contract. IEEE UFFC Society's insurance policy shall name Hotel as an additional insured. Damage to the Hotel premises by the IEEE UFFC Society or appointed contractors will be the IEEE UFFC Society's responsibility. IEEE UFFC Society will accept full responsibility for any damages resulting from any action or omission of their individual attendees in conjunction with organized group activities. The Hotel is not responsible for any loss or damage no matter how caused, to any samples, displays, properties, or personal effects brought into the Hotel, and/or for the loss of equipment, exhibits or other materials left in meeting rooms.

The Hotel reserves the right to approve all outside contractors hired for use by the IEEE UFFC Society in the Hotel, and may have a list of approved contractors and vendors. The Hotel must be notified in advance of any proposed vendor. The Hotel reserves the right to advance approval of all specifications, including electrical requirements, form all outside contractors, and to charge a fee for outside services brought into the Hotel. The IEEE UFFC Society and/or outside contractors must provide proof of worker's compensation insurance for employees who will work on Hotel premises and proof of adequate general liability coverage for the IEEE UFFC Society and/or outside contractors' activities while on Hotel's premises, and must comply with all other similar requirements the Hotel deems appropriate, in its sole discretion, regarding use of function space, facilities and use of Hotel services.

The Hotel shall indemnify, defend and hold harmless the IEEE UFFC Society and its officers, directors, partners, agents, members and employees from and against any and all demands, claims, damages to persons or property, losses and liabilities, including reasonable attorney's fees (collectively "Claims") arising out of or caused by the Hotel's negligence in connection with the provision of services or the use of the Hotel facilities, except to the extent and percentage attributable to the IEEE UFFC Society's or its members', agents', employees', or Exhibitors' negligence. The Hotel shall not have waived or be deemed to have waived, by reason of this paragraph, any defense which it may have with respect to such claims.

The IEEE UFFC Society shall indemnify, defend and hold harmless the Hotel and its officers, directors, partners, agents, members and employees from and against any and all demands, claims, damages to persons or property, losses and liabilities, including reasonable attorney's fees (collectively "Claims") arising out of or caused by the IEEE UFFC Society's negligence and/or its members', agents', employees', independent contractors' or Exhibitors' negligence in connection with the use of the Hotel facilities, except to the extent and percentage attributable to the Hotel's negligence. IEEE UFFC Society shall not have waived or be deemed to have waived, by reason of this paragraph, any defense which it may have with respect to such claims.

HOTEL POLICIES

Logo: The Group shall not use the name, trademark or logo or any other proprietary designation of the hotel in any advertising or promotional material without the prior written permission of the Hotel. Group shall comply with the terms and conditions required by the Hotel for such use.

Utilities: All electrical services and utilities, including phone and riggings, must be contracted for through the Hotel's Conference Services Department.

Signage: Signs and banners are not allowed in the hotel's public areas. In regard to the group's meeting space, all signs must be professionally printed and their placement and posting be pre-approved by the Conference Services Department. Nothing shall be posted, nailed, screwed or otherwise attached to walls, floors, or other parts of the building or furniture. Distribution of gummed stickers or labels is strictly prohibited.

AUTHORITY

The persons signing the agreement on behalf of Hotel and IEEE UFFC Society each warrant that they are authorized to make agreements and to bind their principals to this agreement.

MISCELLANEOUS PROVISIONS

This contract is made and to be performed in Rosemont, Illinois, and shall be governed by and construed in accordance with Illinois law. By executing this agreement, IEEE UFFC Society consents to the exercise of personal jurisdiction over it by the courts of the State of Illinois. This contract is the entire agreement between the parties, superseding all prior proposals both oral and written, negotiations, representations, commitments and other communications between the parties, and may only be supplemented or changed in writing, signed by a representative of the group and the hotel's General Manager. No representative of the Hotel has been or is authorized to make any representation which varies from the express terms of this contract, though this contract may be supplemented or amended in writing. Group may not assign any benefits arising under or associated in any way with this contract without prior consent of Hotel. In the event of litigation arising from or associated with this contract, the parties agree that the prevailing party therein shall recover its attorneys' fees and costs incurred therein. Any legal action in connection with this agreement shall be brought or maintained only in the courts of the State of Illinois, and only in Cook County. No food and/or beverage of any kind will be permitted to be brought into the hotel, or any suite used as a hospitality suite, by the group or any of the group's guests.

HILTON HHONORS POINTS

Dr. Marjorie Passini Yuhas, Ph.D as the designated Meeting/Event Planner for this event is eligible to earn Hilton Honors® points for a qualifying event. Full details and rules regarding the program are available by calling the **Hilton Honors Customer Service Center** at **1-800-548-8690** in the U.S. and Canada or **1-972-788-0878** or by visiting www.hiltonhonors.com. Only the meeting/event planner who is specifically named in the event contract will be eligible for this bonus program. In this case, Dr. Marjorie Passini Yuhas, Ph.D will earn one HHonors bonus point for every eligible dollar spent. Eligible revenue will include sleeping room and meeting room rental. Points will be posted to your account within eight to ten weeks after the event is paid in full.

Hilton	Honors	#	_____
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Hotel and IEEE UFFC Society have agreed to and have executed this Agreement by their authorized representatives as of the dates indicated below.

ACCEPTANCE

Prior to execution by both parties, this document represents an offer by the Hotel. Unless the Hotel otherwise notifies IEEE UFFC Society at any time prior to IEEE UFFC Society execution of this document, the outlined format and dates will be held by the Hotel for IEEE UFFC Society on a first-option basis until **Friday, August 17, 2007**. If IEEE UFFC Society cannot make a commitment prior to that date, the offer will revert to a second option basis, or at the Hotel's option, the arrangements will be released, in which case neither party will have any further obligations. Upon receipt by Hotel of a fully executed version of this Agreement after such date, it will be placed on a definite basis and will be binding upon Hotel and IEEE UFFC Society.

This contract shall be deemed accepted only after it has been signed by a representative of the group and thereafter signed by a representative of the hotel. Acceptance may be made by facsimile transmission and this contract may be executed in one or more counterparts, each of which when fully executed, shall be deemed to be an original, and all of which shall be deemed to be the same agreement.

U.9.

Client Initial_____

We look forward to working with you and to hosting a memorable meeting.

SIGNATURES

Approved and authorized by IEEE UFFC Society.

Name: (Print) _____

Title: (Print) _____

Signature: _____

Date: _____

Approved and authorized by Hotel:

Name: Jennifer Locigno

Title: Sales Manager

Phone: 847-292-3271

E-Mail: jlocigno@destinationhotels.com

Appendix V. Default Letters of 2008 IEEE IUS

Note: Default letters are made in the templates of the Mira system in the “General Chair and TPC Chair” menu. The latest updates of default letters, if there are any, are in the Mira system that is illustrated in **Appendix X. ‘Mira Digital Publishing’ System for 2017 IEEE IUS.**

1. Author Approval Letter

When authors successfully submitted their abstracts, the following email will be sent to them automatically.

Subject:

Submission Confirmation - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear [Sample UserFirstName] [Sample UserLastName]:

Congratulations on the successful submission of your Abstract to the 2008_IIEEE_IUS.
For your records, please print a copy of this email.

Abstract ID: [Sample SubmissionNumber]

Login Name: [Sample UserLogin]

Abstract Title: '[Sample SubmissionTitle]'

Abstract Group: [Sample SubmissionTrack]

Please use the Abstract ID in all communications about your Abstract.

To get back to your 2008_IIEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IIEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

This email is being automatically sent to you from the 2008_IIEEE_IUS.

2. Author Withdraw Letter

When authors withdraw an abstract, the following email will be sent to them automatically.

Subject:

Author Withdrawal - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

You have just withdrawn Abstract from the 2008_IIEEE_IUS.
For your records, please print a copy of this email.

Abstract ID: [Sample SubmissionNumber]

Login Name: [Sample UserLogin]

Password: [Sample UserPassword]

Abstract Title: [Sample SubmissionTitle]

Abstract Group: [Sample SubmissionTrack]

Please use the Abstract ID in all communications about your Abstract.

To get back to your 2008_IIEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IIEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

This email is being automatically sent to you from the 2008_IIEEE_IUS.

3. Auto Notify Previously Approved

If authors modify a successfully submitted abstract and have not finalized the submission again, the status of the abstract will be changed from “Successfully Submitted” to “Incomplete” and the following email will be sent to them automatically.

Subject:

Submission Status Change - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

The status of Abstract [Sample SubmissionNumber] became "[Sample SubmissionShortStatusName]" on [Sample SubmissionCompleteToIncompleteDate].

Abstract ID: [Sample SubmissionNumber]

Abstract Title: "[Sample SubmissionTitle]"

As of Jul 24 2009 8:25PM, your Abstract status is "[Sample SubmissionShortStatusName]".

Please revisit the website if you wish to correct your Abstract.

Please use the Abstract ID in all communications about your Abstract.

To get back to your 2008_IEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

This email is being automatically sent to you from the 2008_IEEE_IUS.

4. Batch Download PDF

If chairs or reviewers batch download PDF abstracts and indicate that they wish the PDF file is sent them via an email, the following email will be sent to them automatically.

Subject:

PDF Files for Reviewers - 2008 IEEE International Ultrasonics Symposium

Body:

Attached is a collection of the PDF files for your use during the 2008 IEEE International Ultrasonics Symposium review process.

5. Batch Notify Reviewer (All)

The following email is sent to reviewers after Group Chairs have notified the General/TPC Chairs that they have finished the assignment of reviewers. If the only one Group Chair, say, Chair of Group I, has finished the reviewer assignment, to expedite the review process, the General/TPC Chairs can send the following email to only Group I reviewers with the email template "Batch Notify Reviewer (Group I)". There are a total of 5 such email templates, one for each group.

Subject:

Review of Abstracts - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Dear [Sample UserFirstName] [Sample UserLastName],

Thank you very much for agreeing to review the Abstracts in the following linked site for the 2008 IEEE International Ultrasonics Symposium.

Please go to <http://submissions.miracd.com/IUS2008/> and login to perform the review(s).

Login Name: [Sample UserLogin]

Password: [Sample UserPassword]

Please complete your review before the deadline, May 27, 2008. After the deadline, the reviewer site will be closed for the symposium program development.

The Online Support Email Address: IUS2008_Abstract@mirasmart.com

The Support Phone #: 866-341-9589 (between the hours of 8:00 am and 5:00 pm, CST)

Thank you very much again for your help to review the Abstracts for the Symposium.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

6. Chair Accepted Oral

The following email is sent to all authors whose abstracts are accepted as an oral presentation. For 2008 IEEE IUS, the General/TPC Chairs sent out the email through the link "Manage/Send Blast E-mail" at the General/TPC Chair Home.

Subject:

Accepted as Oral Presentation - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]
Abstract Title: [Sample SubmissionTitle]

Dear [Sample UserFirstName] [Sample UserLastName]:

We are pleased to inform you that the above referenced abstract has been accepted for Oral presentation during the 2008 IEEE International Ultrasonics Symposium (IUS). The symposium will be held from November 2-5, 2008 at the Beijing International Convention Center (BICC), Beijing, China.

Your presentation, [Sample ProgramLabel], has been scheduled as follows (including time for questions and answers)

from [Sample PresentationStart] to [Sample PresentationEnd]

in a session titled:

[Sample EventDescription],

which is from [Sample EventStartTime] to [Sample EventEndTime] on [Sample EventDate].

As the presenter of this paper, you are the only person receiving this information. Please notify any co-authors of the acceptance of the Abstract.

If an unexpected emergency prevents you from attending in person, it is understood that you will arrange for an alternate presenter in order to keep the session complete.

Please visit the symposium web site at http://ewh.ieee.org/conf/ius_2008/index.html for further instructions and details regarding:

- (i) the preparation of your presentation (please read the "Oral Presentation Guide" shown on the web carefully and prepare your presentation accordingly);
- (ii) conference registration (will be available in July 2008);
- (iii) hotel booking;
- (iv) visa document for non-Chinese nationals;
- (v) other general symposium information.

You are also requested to submit a proceedings paper to the 2008 IEEE IUS through the symposium website, where there will be detailed instructions regarding the preparation of your paper, including the preparations of multimedia materials for your paper if there are any.

The deadline for the paper submission is Midnight, Sunday, November 2, 2008, Beijing time. Please note this is the day BEFORE the Symposium starts. As this is a new requirement this year, THIS IS A FIXED DEADLINE. No papers will be accepted for publication after this deadline. This will allow us to get the Symposium Proceedings to you in a more timely manner.

Because the conference proceedings are a record of the conference papers that are actually presented, to have your paper included (published) in the proceedings, you must present AND defend the paper during the conference by yourself or by someone designated by you.

[IMPORTANT]: If you have any concerns on the intellectual property rights of researches in your abstract that will be published before the conference, please check the information in the link "Abstract Results" at the conference website: http://ewh.ieee.org/conf/ius_2008/index.html and take measures before the deadline given there.

This email is also logged in your account and is accessible using your login name and password you used when you submitted your abstract.

Look forward to seeing you in Beijing.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

7. Chair Accepted Poster

The following email is sent to all authors whose abstracts are accepted as a poster presentation. For 2008 IEEE IUS, the General/TPC Chairs sent out the email through the link "Manage/Send Blast E-mail" at the General/TPC Chair Home.

Subject:

Accepted as Poster Presentation - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Dear [Sample UserFirstName] [Sample UserLastName]:

We are pleased to inform you that the above referenced abstract has been accepted for Poster presentation during the 2008 IEEE International Ultrasonics Symposium (IUS). The symposium will be held from November 2-5, 2008 at the Beijing International Convention Center (BICC), Beijing, China.

Your presentation has been scheduled in a session titled, "[Sample EventDescription]," which is from [Sample EventStartTime] to [Sample EventEndTime] on [Sample EventDate]. You must defend your poster during this time. Your poster may be posted for a whole day to maximize the exposure of your research from 8:00 a.m. to 6:30 p.m. However, the posters should not be left overnight (except the session "PS. Student Competition Finalists" - see "Student Paper Competition" on conference web for detail).

As the presenter of this paper, you are the only person receiving this information. Please notify any co-authors of the acceptance of the Abstract.

If an unexpected emergency prevents you from attending in person, it is understood that you will arrange for an alternate presenter in order to keep the session complete.

Please visit the symposium web site at http://ewh.ieee.org/conf/ius_2008/index.html for further instructions and details regarding:

- (i) the preparation of your presentation (please read the "Poster Presentation Guide" shown on the web carefully and prepare your presentation accordingly);
- (ii) conference registration (will be available in July 2008);
- (iii) hotel booking;
- (iv) visa document for non-Chinese nationals;
- (v) other general symposium information.

You are also requested to submit a proceedings paper to the 2008 IEEE IUS through the symposium website, where there will be detailed instructions regarding the preparation of your paper, including the preparations of multimedia materials for your paper if there are any.

The deadline for the paper submission is Midnight, Sunday, November 2, 2008, Beijing time. Please note this is the day BEFORE the Symposium starts. As this is a new requirement this year, THIS IS A FIXED DEADLINE. No papers will be accepted for publication after this deadline. This will allow us to get the Symposium Proceedings to you in a more timely manner.

Because the conference proceedings are a record of the conference papers that are actually presented, to have your paper included (published) in the proceedings, you must present AND defend the paper during the conference by yourself or by someone designated by you.

[IMPORTANT]: If you have any concerns on the intellectual property rights of researches in your abstract that will be published before the conference, please check the information in the link "Abstract Results" at the conference website and take measures before the deadline given there.

Look forward to seeing you in Beijing.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

8. Chair Combined Oral

The following email is sent to all authors whose abstracts are lead abstract that other abstracts have been combined into it for an oral presentation. For 2008 IEEE IUS, the General/TPC Chairs sent out the email through the link "Manage/Send Blast E-mail" at the General/TPC Chair Home.

Subject:

Accepted as Combined Oral Presentation - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Dear [Sample UserFirstName] [Sample UserLastName]:

We are pleased to inform you that the above referenced abstract has been accepted for a Combined Oral presentation during the 2008 IEEE International Ultrasonics Symposium (IUS). The following Abstract ID(s) are combined into this Abstract:

[Sample CombinedAbstractList].

The symposium will be held from November 2-5, 2008 at the Beijing International Convention Center (BICC), Beijing, China.

Your presentation, [Sample ProgramLabel], has been scheduled as follows (including time for questions and answers)

from [Sample PresentationStart] to [Sample PresentationEnd]

in a session titled:

[Sample EventDescription],

which is from [Sample EventStartTime] to [Sample EventEndTime] on [Sample EventDate].

As the presenter of this paper, you are the only person receiving this information. Please notify any co-authors of the acceptance of the Abstract.

If an unexpected emergency prevents you from attending in person, it is understood that you will arrange for an alternate presenter in order to keep the session complete.

Please visit the symposium web site at http://ewh.ieee.org/conf/ius_2008/index.html for further instructions and details regarding:

- (i) the preparation of your presentation (please read the "Oral Presentation Guide" shown on the web carefully and prepare your presentation accordingly);
- (ii) conference registration (will be available in July 2008);
- (iii) hotel booking;
- (iv) visa document for non-Chinese nationals;
- (v) other general symposium information.

You are also requested to submit a proceedings paper to the 2008 IEEE IUS through the symposium website, where there will be detailed instructions regarding the preparation of your paper, including the preparations of multimedia materials for your paper if there are any.

The deadline for the paper submission is Midnight, Sunday, November 2, 2008, Beijing time. Please note this is the day BEFORE the Symposium starts. As this is a new requirement this year, **THIS IS A FIXED DEADLINE**. No papers will be accepted for publication after this deadline. This will allow us to get the Symposium Proceedings to you in a more timely manner.

Because the conference proceedings are a record of the conference papers that are actually presented, to have your paper included (published) in the proceedings, you must present AND defend the paper during the conference by yourself or by someone designated by you.

[IMPORTANT]: If you have any concerns on the intellectual property rights of researches in your abstract that will be published before the conference, please check the information in the link "Abstract Results" at the conference website: http://ewh.ieee.org/conf/ius_2008/index.html and take measures before the deadline given there.

This email is also logged in your account and is accessible using your login name and password you used when you submitted your abstract.

Look forward to seeing you in Beijing.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

9. Chair Combined Poster

The following email is sent to all authors whose abstracts are lead abstract that other abstracts have been combined into it for a poster presentation. For 2008 IEEE IUS, the General/TPC Chairs sent out the email through the link "Manage/Send Blast E-mail" at the General/TPC Chair Home.

Subject:

Accepted as Combined Poster Presentation - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]
Abstract Title: [Sample SubmissionTitle]

Dear [Sample UserFirstName] [Sample UserLastName]:

We are pleased to inform you that the above referenced abstract has been accepted for a Combined Poster presentation during the 2008 IEEE International Ultrasonics Symposium (IUS). The following Abstract IDs are combined into this Abstract:

[Sample CombineWithdrawnAbstractList].

The symposium will be held from November 2-5, 2008 at the Beijing International Convention Center (BICC), Beijing, China.

Your presentation has been scheduled in a session titled, "[Sample EventDescription]," which is from [Sample EventStartTime] to [Sample EventEndTime] on [Sample EventDate]. You must defend your poster during this time. Your poster may be posted for a whole day to maximize the exposure of your research from 8:00 a.m. to 6:30 p.m. However, the posters should not be left overnight (except the session "PS. Student Competition Finalists" - see "Student Paper Competition" on conference web for detail).

As the presenter of this paper, you are the only person receiving this information. Please notify any co-authors of the acceptance of the Abstract.

If an unexpected emergency prevents you from attending in person, it is understood that you will arrange for an alternate presenter in order to keep the session complete.

Please visit the symposium web site at http://ewh.ieee.org/conf/ius_2008/index.html for further instructions and details regarding:

- (i) the preparation of your presentation (please read the "Poster Presentation Guide" shown on the web carefully and prepare your presentation accordingly);
- (ii) conference registration (will be available in July 2008);
- (iii) hotel booking;
- (iv) visa document for non-Chinese nationals;
- (v) other general symposium information.

You are also requested to submit a proceedings paper to the 2008 IEEE IUS through the symposium website, where there will be detailed instructions regarding the preparation of your paper, including the preparations of multimedia materials for your paper if there are any.

The deadline for the paper submission is Midnight, Sunday, November 2, 2008, Beijing time. Please note this is the day BEFORE the Symposium starts. As this is a new requirement this year, THIS IS A FIXED DEADLINE. No papers will be accepted for publication after this deadline. This will allow us to get the Symposium Proceedings to you in a more timely manner.

Because the conference proceedings are a record of the conference papers that are actually presented, to have your paper included (published) in the proceedings, you must present AND defend the paper during the conference by yourself or by someone designated by you.

[IMPORTANT]: If you have any concerns on the intellectual property rights of researches in your abstract that will be published before the conference, please check the information in the link "Abstract Results" at the conference website and take measures before the deadline given there.

Look forward to seeing you in Beijing.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

10. Chair Combined Withdrawn

The following email is sent to all authors whose abstracts have been combined into other abstracts that will be presented and thus their abstracts have been withdrawn. For 2008 IEEE IUS, the General/TPC Chairs sent out the email through the link "Manage/Send Blast E-mail" at the General/TPC Chair Home.

Subject:

Withdrawn as Combined - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

Thank you for submitting your Abstract to the Group, "[Sample SubmissionTrack]," for consideration by the Technical Program Committee (TPC) of the 2008 IEEE International Ultrasonics Symposium. The TPC has decided to combine your abstract with another one:

[Sample CombineAcceptedAbstractList]

Therefore, your Abstract is withdrawn.

We realize that this is disappointing news but we hope that you will still consider attending the 2008 IEEE International Ultrasonics Symposium. You can find information about the conference registration, hotel booking, visa application, technical program, social programs, tours, and other information on the conference web site: http://ewh.ieee.org/conf/ius_2008/

Please notice that the decision by the TPC is final.

This email is also logged in your account and is accessible using your login name and password you used when you submitted your abstract.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

11. Chair Rejected

The following email is sent to all authors whose abstracts are rejected. For 2008 IEEE IUS, the General/TPC Chairs sent out the email through the link "Manage/Send Blast E-mail" at the General/TPC Chair Home.

Subject:

Reject - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

Thank you for submitting your Abstract to the Group, "[Sample SubmissionTrack]," for consideration by the Technical Program Committee (TPC) of the 2008 IEEE International Ultrasonics Symposium. Due to an unanticipated level of response to our Call for Papers, the number of submissions far exceeded the number of available presentation slots. Unfortunately, your abstract titled '[Sample SubmissionTitle]' has not been selected for inclusion in the Symposium program.

We realize that this is disappointing news but we hope that you will still consider attending the 2008 IEEE International Ultrasonics Symposium. You can find information about the conference registration, hotel booking, visa application, technical program, social programs, tours, and other information on the conference web site: http://ewh.ieee.org/conf/ius_2008/

For your reference, some of the reasons (if there are any) for rejection are given below:

[Sample RejectReasons]

Please notice that the decision by the TPC is final.

This email is also logged in your account and is accessible using your login name and password you used when you submitted your abstract.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

12. Chair Assignments Finished

The following email is automatically sent to the General/TPC Chair when a Group Chair has finished his/her reviewer assignment (for example, clicking the link “Flag reviewer assignments as complete for Group 1: Medical Ultrasonics” in the Group Chair Home) so that the General/TPC Chairs could send out blast email to reviewers in his/her group on behalf of the Group Chair.

Subject:

Reviewer Assignments Completed - From [Sample UserFirstName] [Sample UserLastName]

Body:

Dear System Administrator of 2008_IEEE_IUS:

The Group Chair, [Sample UserFirstName] [Sample UserLastName] has finished assigning all reviewers in the group. Please use the Blast Email function to notify reviewers of this group as soon as possible to avoid delay.

To get back to your 2008_IEEE_IUS account, you will need to go to <http://submissions.miracd.com/IUS2008/>.

Sincerely,

Support team of Mira Digital Publishing

13. Notify New

The following email can be sent by the General/TPC Chairs to all authors whose abstracts have a status “Incomplete”. Sending this email before the abstract submission deadline would help authors who intend to submit the abstracts but have not paid attention to the statuses of their abstracts.

Subject:

Abstract Waiting for Your Approval - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

Thank you very much for the submission of your Abstract to the 2008 IEEE International Ultrasonics Symposium Abstract Submission site.

However, you have not completed the submission yet, and until you do, your Abstract would not be considered by the 2008 IEEE International Ultrasonics Symposium. Please log back into the Abstract submission site before the abstract submission deadline, May 4, 2008, and finish the submission process if you intend to submit this Abstract.

For your records, please print a copy of this email.

Abstract ID:
[Sample SubmissionNumber]

Abstract Title:
[Sample SubmissionTitle]

Login Name: [Sample UserLogin]
Password: [Sample UserPassword]

Please use the Abstract ID in all communications about your Abstract.

To get back to your Abstract submission account of the 2008 IEEE International Ultrasonics Symposium and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>. Please notice that this web site can also be reached by clicking "Abstract Submission" Link from the conference website, which contains abstract submission instructions to help authors in addition to information of the conference such as Visa, Hotel, and Conference Registration:

http://ewh.ieee.org/conf/ius_2008/

2008_IUS Online Support Email Address: IUS2008_Abtract@mirasmart.com

14. Reassign Track

The General/TPC Chairs could send out the following emails if necessary to authors whose abstracts have been transferred to different groups than those they have originally submitted.

Subject:

Notification on Change of Group - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

Abstract [Sample SubmissionNumber] submitted to the 2008_IEEE_IUS has been reassigned to a new Group.

For your records, please print a copy of this email.

Abstract ID:
[Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

NEW Abstract Group: [Sample SubmissionTrack]

Please use the Abstract ID in all communications about your Abstract.

To get back to your 2008_IEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

15. Remember Itinerary User By Login

This is an email automatically sent to users of Mira attendSMART (meeting planner) when they set up an account.

Subject:

Itinerary Login Information - 2008 IEEE International Ultrasonics Symposium

Body:

Dear Itinerary User:

Your username for the 2008_IEEE_IUS Itinerary website is:
[Sample ItineraryUserLogin]

Your password is:
[Sample ItineraryUserPassword]

IMPORTANT: Make note of your password, and keep it on file for future access to your 2008_IEEE_IUS Itinerary account.

To get back to your 2008_IEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

16. Remember User By Login

This is an email automatically sent to users when they set up an account for abstract submission.

Subject:

Login Information - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

Your password for the 2008_IIEEE_IUS website is:

Login Name: [Sample UserLogin]

Password: [Sample UserPassword]

IMPORTANT: Make note of your password, and keep it on file for future access to your 2008_IIEEE_IUS account.

To get back to your 2008_IIEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IIEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

17. Remember User By Project

If a user forget his/her password, this is an email to provide them login information.

Subject:

Login Information Retrieval - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

Your password for the 2008_IIEEE_IUS website is:

Password: [Sample UserPassword]

IMPORTANT: Make note of your password, and keep it on file for future access to your 2008_IIEEE_IUS account.

To get back to your 2008_IIEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IIEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

18. Resend Chair Accepted Oral

If there is any corrections need to be sent to authors whose abstracts have been accepted for oral presentation, the General/TPC Chairs could send out the following email.

Subject:

Resend with Corrections - Accepted as Oral Presentation - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Dear [Sample UserFirstName] [Sample UserLastName]:

We are pleased to inform you that the above referenced abstract has been accepted for Oral presentation during the 2008 IEEE International Ultrasonics Symposium (IUS). The symposium will be held from November 2-5, 2008 at the Beijing International Convention Center (BICC), Beijing, China.

Your presentation, [Sample ProgramLabel], has been scheduled as follows (including time for questions and answers)

from [Sample PresentationStart] to [Sample PresentationEnd]

in a session titled:

[Sample EventDescription],

which is from [Sample EventStartTime] to [Sample EventEndTime] on [Sample EventDate].

As the presenter of this paper, you are the only person receiving this information. Please notify any co-authors of the acceptance of the Abstract.

If an unexpected emergency prevents you from attending in person, it is understood that you will arrange for an alternate presenter in order to keep the session complete.

Please visit the symposium web site at http://ewh.ieee.org/conf/ius_2008/index.html for further instructions and details regarding:

- (i) the preparation of your presentation (please read the "Oral Presentation Guide" shown on the web carefully and prepare your presentation accordingly);
- (ii) conference registration (will be available in July 2008);
- (iii) hotel booking;
- (iv) visa document for non-Chinese nationals;
- (v) other general symposium information.

You are also requested to submit a proceedings paper to the 2008 IEEE IUS through the symposium website, where there will be detailed instructions regarding the preparation of your paper, including the preparations of multimedia materials for your paper if there are any.

The deadline for the paper submission is Midnight, Sunday, November 2, 2008, Beijing time. Please note this is the day BEFORE the Symposium starts. As this is a new requirement this year, THIS IS A FIXED DEADLINE. No papers will be accepted for publication after this deadline. This will allow us to get the Symposium Proceedings to you in a more timely manner.

Because the conference proceedings are a record of the conference papers that are actually presented, to have your paper included (published) in the proceedings, you must present AND defend the paper during the conference by yourself or by someone designated by you.

[IMPORTANT]: If you have any concerns on the intellectual property rights of researches in your abstract that will be published before the conference, please check the information in the link "Abstract Results" at the conference website: http://ewh.ieee.org/conf/ius_2008/index.html and take measures before the deadline given there.

This email is also logged in your account and is accessible using your login name and password you used when you submitted your abstract.

Look forward to seeing you in Beijing.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

19. Resend Chair Accepted Poster

If there is any corrections need to be sent to authors whose abstracts have been accepted for poster presentation, the General/TPC Chairs could send out the following email.

Subject:

Resend with Corrections - Accepted as Poster Presentation - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Dear [Sample UserFirstName] [Sample UserLastName]:

We are pleased to inform you that the above referenced abstract has been accepted for Poster presentation during the 2008 IEEE International Ultrasonics Symposium (IUS). The symposium will be held from November 2-5, 2008 at the Beijing International Convention Center (BICC), Beijing, China.

Your presentation has been scheduled in a session titled, "[Sample EventDescription]," which is from [Sample EventStartTime] to [Sample EventEndTime] on [Sample EventDate]. You must defend your poster during this time. Your poster may be posted for a whole day to maximize the exposure of your research from 8:00 a.m. to 6:30 p.m. However, the posters should not be left overnight (except the session "PS. Student Competition Finalists" - see "Student Paper Competition" on conference web for detail).

As the presenter of this paper, you are the only person receiving this information. Please notify any co-authors of the acceptance of the Abstract.

If an unexpected emergency prevents you from attending in person, it is understood that you will arrange for an alternate presenter in order to keep the session complete.

Please visit the symposium web site at http://ewh.ieee.org/conf/ius_2008/index.html for further instructions and details regarding:

- (i) the preparation of your presentation (please read the "Poster Presentation Guide" shown on the web carefully and prepare your presentation accordingly);
- (ii) conference registration (will be available in July 2008);
- (iii) hotel booking;
- (iv) visa document for non-Chinese nationals;
- (v) other general symposium information.

You are also requested to submit a proceedings paper to the 2008 IEEE IUS through the symposium website, where there will be detailed instructions regarding the preparation of your paper, including the preparations of multimedia materials for your paper if there are any.

The deadline for the paper submission is Midnight, Sunday, November 2, 2008, Beijing time. Please note this is the day BEFORE the Symposium starts. As this is a new requirement this year, THIS IS A FIXED DEADLINE. No papers will be accepted for publication after this deadline. This will allow us to get the Symposium Proceedings to you in a more timely manner.

Because the conference proceedings are a record of the conference papers that are actually presented, to have your paper included (published) in the proceedings, you must present AND defend the paper during the conference by yourself or by someone designated by you.

[IMPORTANT]: If you have any concerns on the intellectual property rights of researches in your abstract that will be published before the conference, please check the information in the link "Abstract Results" at the conference website and take measures before the deadline given there.

Look forward to seeing you in Beijing.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

20. Reviewer Message

The following is an email to remind reviewers by the General/TPC Chairs if necessary.

Subject:

Request for Review - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Dear [Sample UserFirstName] [Sample UserLastName],

You have been requested to review the following Abstract for the 2008 IEEE International Ultrasonics Symposium:

Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Group: [Sample SubmissionTrack]

Submission Site: 2008_IEEE_IUS

You may use the following link to perform this review:

[http://submissions.miracd.com/IUS2008/RL.asp?\[Sample ReviewerLoginURLData\]](http://submissions.miracd.com/IUS2008/RL.asp?[Sample ReviewerLoginURLData])

Please complete your review before the deadline, May 27, 2008. After the deadline, the reviewer site will be closed for the symposium program development.

The Online Support Email Address: IUS2008_Abstract@mirasmart.com

The Support Phone #: 866-341-9589 (between the hours of 8:00 am and 5:00 pm, CST)

Thank you very much for your help to review the Abstract for the Symposium.

Sincerely,

Technical Program Committee
2008 IEEE International Ultrasonics Symposium

21. Student Travel Award Approved Letter

The following is an email sent to Student Travel Support recipients by the 2008 IEEE IUS General/TPC Chairs.

Subject:

Student Travel Support Approved - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Dear [Sample UserFirstName] [Sample UserLastName]:

We are pleased to inform you that you (if you are the student) or your student's travel support request for the above referenced abstract has been approved by the 2008 IEEE International Ultrasonics Symposium. The symposium will be held from November 2-5, 2008 at the Beijing International Convention Center (BICC), Beijing, China.

The student is awarded:

[Sample SubmissionStudentTravelAwardAmount] USD

and the money may be picked up by the student at the conference registration desk in Beijing with a valid Student ID and a valid IEEE membership card (or evidence of the student's IEEE UFFC membership, where UFFC stands for Ultrasonics, Ferroelectrics, and Frequency Control society, and the student's IEEE membership should be affiliated with the IEEE UFFC society). If the student's IEEE and UFFC membership is not up to date, please have the student update it as soon as possible via the IEEE website (<http://www.ieee.org/>) or call IEEE at (800)678-4333 (USA or Canada) or (732)981-0060 (Worldwide). If the student has any questions for his/her membership, please contact IEEE.

Please notice that the amount of support is not meant to cover the entire cost of the student's travel expenses (please see details regarding the travel support on the conference web site at http://ewh.ieee.org/conf/ius_2008/index.html).

This email is also logged in your account and is accessible using your login name and password you used when you submitted your abstract.

Look forward to seeing you in Beijing.

Sincerely,

Jian-yu Lu
General Chair
2008 IEEE International Ultrasonics Symposium

22. Student Travel Award Reject Letter

The following is an email sent to students who have asked for Student Travel Support but their requests have not been approved. The email was sent to these students by the 2008 IEEE IUS General/TPC Chairs.

Subject:

Student Travel Support Declined - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Date and Time the Email Sent

Re: Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Dear: [Sample UserFirstName] [Sample UserLastName]:

Thank you for your application of the Student travel support. Due to a limited amount fund available for student travel support, we regret to inform you that we are unable to provide you a travel support.

We realize that this is disappointing news but we hope that you will still consider attending the 2008 IEEE International Ultrasonics Symposium. You can find information about the conference registration, hotel booking, visa application, technical program, social programs, tours, and other information on the conference web site: http://ewh.ieee.org/conf/ius_2008/

Please notice that this decision is final.

This email is also logged in your account and is accessible using your login name and password you used when you submitted your abstract.

Sincerely,

Jian-yu Lu
General Chair
2008 IEEE International Ultrasonics Symposium

23. Submission Suspended

This is an email automatically sent to authors if their submission is suspended during their abstract submission.

Subject:

Submission Suspended - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear [Sample UserFirstName] [Sample UserLastName]:

You may return to the website any time before the final deadline to complete your submission.

When you return, you may continue the submission process of your Abstract.

Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Abstract Group: [Sample SubmissionTrack]

Login Name: [Sample UserLogin]

Password: [Sample UserPassword]

Please use the Abstract ID in all communications about your Abstract.

To get back to your 2008_IIEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IIEEE_IUS Online Support Email Address: IUS2008_Abtract@mirasmart.com

24. Wait a Day

This is an email automatically sent to authors if there is an internet connection problem during their abstract submission.

Subject:

Submission Problem - Abstract ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear [Sample UserFirstName] [Sample UserLastName]:

We are sorry you are experiencing problems.

Please contact Online Support at IUS2008_Abtract@mirasmart.com and provide the information below as well as a description of any specific difficulties you have encountered.

Abstract ID: [Sample SubmissionNumber]

Abstract Title: [Sample SubmissionTitle]

Login Name: [Sample UserLogin]

Password: [Sample UserPassword]

Please use the Abstract ID in all communications about your Abstract.

To get back to your 2008_IIEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IIEEE_IUS Online Support Email Address: IUS2008_Abstract@mirasmart.com

25. Credit Card Receipt

If authors pay extra page charges (overlength page charges) during their conference proceedings paper submission, the following email will be sent to them automatically.

Subject:

Receipt - Paper ID: [Sample SubmissionNumber] - 2008 IEEE International Ultrasonics Symposium

Body:

Dear: [Sample UserFirstName] [Sample UserLastName]:

2008_IIEEE_IUS Receipt for Paper [Sample SubmissionNumber]

Title: [Sample SubmissionTitle]

Total Charge: \$[Sample SubmissionTotalCharge]

Card Type: [Sample SubmissionCCType]

Cardholder: [Sample SubmissionCCCardholder]

Card Number: [Sample SubmissionCCNumber]

Confirmation Number: [Sample SubmissionPNREF]

Please note: This charge will appear as Mira CD on your credit card statement.

Please use the Paper ID in all communications about your Paper.

To get back to your 2008_IIEEE_IUS account and view the log of all emails sent to you, you will need to go to <http://submissions.miracd.com/IUS2008/>.

2008_IIEEE_IUS Online Support Email Address: IUS2008@mirasmart.com

Appendix W. Calendar of Events and Important Things to Note

Appendix W:

Calendar of Events and Important Things to Note

Appendix W:**Calendar of Events and Important Things Noted****--- A Companion with the Document:****“Organization of the 2008 IEEE International Ultrasonics Symposium (IUS)”*****Jian-yu Lu, Ph.D.*****General Chair****2008 IEEE International Ultrasonics Symposium (IUS)****Beijing International Convention Center (BICC)****Beijing, China, November 2-5, 2008***(Latest Revision: August 12, 2017)***Notes**

This is a shortened version of the full report: “Organization of the 2008 IEEE International Ultrasonics Symposium (IUS)” (electronic filename: “04_0_oper_ius2008_200dpi.pdf”). It consists mainly of a Calendar of Events that the 2008 IEEE IUS used and a list of things that the 2008 IEEE IUS considered to be important but might be overlooked. The **page numbers** listed correspond to those in the full report.

A tutorial (including easy-to-follow screen shots) (see **Section 5. “Use of Mira System (Based on 2017 IEEE IUS)”** below) has been added to help those conferences using Mira Digital Publishing (Mira) system. Details are in **Appendix X. “Mira Digital Publishing” System for 2017 IEEE IUS** of the full report “Organization of the 2008 IEEE International Ultrasonics Symposium (IUS)”.

We appreciate Dr. Susan Trolier-McKinstry, the President of the UFFC Society, and Dr. Gerry Blessing, a former President of the UFFC Society, for their suggestions to produce this document, and their efforts to improve it.

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1. 2008 IEEE IUS Conference Web Address

Additional information can be found at the 2008 IEEE IUS conference website:

http://ewh.ieee.org/conf/ius_2008/

as well as in the conference proceedings DVD (ISBN: 978-1-4244-2480-1; and IEEE Catalog Number: CFP08ULT-DVD).

2. Calendar of Events

Major Calendar of Events (see P. 34 in the full report)

Events	Open (<i>Actual</i>)	Deadlines
Abstract Submission: (Link)	<i>April 16, 2008 (Opened)</i>	<i>May, 4, 2008</i>
Paper Submission: (Link)	<i>Oct. 10, 2008 (Opened)</i>	<i>November 2, 2008</i>
Early Registration: (Link)	<i>July 20, 2008 (Opened)</i>	<i>September 12, 2008</i>
On-Site Registration: (Link)	<i>Nov. 1, 2008 (Opened)</i>	<i>November 5, 2008</i>
Hotel Discount Rate: (Link)	<i>April 11, 2008 (Opened)</i>	<i>October 5, 2008 *</i>
Visa Document: (Link)	<i>April 11, 2008 (Opened)</i>	<i>September 30, 2008 **</i>
Exhibit Registration: (Link)	<i>April 11, 2008 (Opened)</i>	<i>July 15 ***, Sept. 15, 2008</i>

Before the opening dates in the table above were finalized, they were shown in red, for example, “*April 16, 2008 (tentative)*” and the heading “Open (*Actual*)” was named “Open (*Estimate*)” to avoid wasting users’ time to follow the links. Once each date was finalized, it changed to, say, “*April 16, 2008 (Opened)*”. The deadlines were predetermined and firm.

Other Calendar of Events (see P. 34 – P. 38 in the full report)

Five years and three months before the conference:

- **Explored the possibility to have the 2008 IEEE IUS in Beijing, China:** – Due to the 2008 Beijing Olympics, the General Chair was asked by the Ultrasonics Committee of the IEEE UFFC Society to check the possibility to have the 2008 IEEE IUS in Beijing, China. On August 1, 2003, the General Chair started searching the web and talking to colleagues in China to explore the possibility.

Four years and seven months before the conference:

- **Approval of the conference:** – The 2008 IEEE IUS was approved on April 16 and 17, 2004, respectively, by the Ultrasonics Committee and the Administrative Committee (AdCom) of the IEEE UFFC Society.

Reports presented before the conference:

- **Reports to the IEEE UFFC Ultrasonics Committee:** – Reported biannually to the Ultrasonics Committee on the status of preparations of the conference. (One was at the annual IEEE IUS conferences and the other was at the 2nd TPC meeting that was normally held in Chicago. The reports were also presented to the UFFC AdCom whenever the AdCom meetings were collocated with the Ultrasonics Committee meetings.)

Four years and five months before the conference:

- **Select a venue:** – The General Chair and the then Vice President of Ultrasonics, Dr. Clemens C. W. Ruppel, visited Beijing, China, in June 2004 to select a possible conference venue (about 10 hotels and convention centers were visited and evaluated).

About three years and ten months before the conference:

- **Contract development with CICCST:** – Began to develop contract with the China International Conference Center for Science and Technology (CICCST) on January 24, 2005.

About two years and three months before the conference:

- **Conference website:** – Opened on August 3, 2006

Finalized as soon as possible and update as necessary on the conference web before the conference (“Web Entry” below in the rest of the document indicates links shown on the 2008 IEEE IUS website):

- **Web Entry: “General Chair Message”** – Finalize as soon as possible and update as necessary
- **Web Entry: “Technical Chair Message”** – Finalize as soon as possible and update as necessary
- **Web Entry: “Organizing Committee”** – Finalize as soon as possible and update as necessary
- **Web Entry: “BICC Floor Plan / Location”** – Finalize as soon as possible
- **Web Entry: “Cheaper Air Tickets”** – Finalize as soon as possible – it is an additional convenience for attendees
- **Web Entry: “Beijing City / Subway”** – Finalize as soon as possible
- **Web Entry: “Nearby Shopping / Food”** – Finalize as soon as possible
- **Web Entry: “Other Beijing Tours”** – Finalized as soon as possible
- **Web Entry: “Beijing Photos”** – Finalize as soon as possible
- **Web Entry: “Beijing Olympics”** – Finalize as soon as possible
- **Web Entry: “Beijing Weather”** – Finalize as soon as possible
- **Web Entry: “Join IEEE UFFC/Students”** – Finalize as soon as possible
-
- **Web Entry: “IEEE Beijing Office Open”** – Finalize as soon as possible and update whenever relevant news appear
- **Web Entry: “2007 IUS - New York”** – Finalize as soon as possible
- **Web Entry: “IEEE TUFFC”** – Finalize as soon as possible (this is to encourage authors of the conference proceedings papers to submit more complete and expanded papers to the IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control – TUFFC)
- **Web Entry: “IEEE UFFC”** – Finalize as soon as possible
- **Web Entry: “IEEE”** – Finalize as soon as possible
- **Web Entry: “UFFC Officers”** – Finalize as soon as possible (update as necessary)
- **Web Entry: “Past Proceedings”** – Finalize as soon as possible (update as necessary)
- **Web Entry: “Other UFFC Meetings”** – Finalize as soon as possible (update as necessary)
- **Web Entry: “Order CD Archive”** – Finalize as soon as possible
- **Web Entry: “IEEE Xplore”** – Finalize as soon as possible
- **Web Entry: “Join IEEE UFFC”** – Finalize as soon as possible
- **Web Entry: “Join IEEE”** – Finalize as soon as possible

About one-year and four months before the conference:

- **Web Entry: “Call for Papers”** – Finalized the First Call for Papers on July 4, 2007 (the First Call for Papers was also published in IEEE TUFFC and was distributed during the 2007 IEEE IUS). The Final Call for Papers was finalized and placed on web on February 6, 2008)

About one-year and three months before the conference:

- [Find a vendor for conference registration](#): – After being declined by FASS to serve the 2008 IEEE IUS, we started to find a new registration vendor on August 28, 2007. Eventually, we found YesEvents, a Baltimore, Maryland, USA based company, who was willing to help our conference for online registration (onsite registration had already been arranged with CICCST, with which we started to negotiate on January 24, 2005).

About one year and one month before the conference:

- [Find a vendor for the technical program](#): – Started to find a vendor for our technical program on October 1, 2007. Eventually, we found Mira Digital Publishing, a St. Louis, Missouri, USA based company.
-
- [Web Entry: “Plenary Speaker”](#) – Finalized on October 24, 2007 (select a plenary speaker early so that we have time to publicize the talk)

About one year before the conference:

- [Budget](#): – Have the conference budget approved by the UFFC Administrative Committee (AdCom)
-
- [Pass-the-Baton meeting](#): – Held in New York on the last date of the conference on October 31, 2007. This meeting was to learn experience from the 2007 IEEE IUS.
- [The First Technical Program Committee \(1st TPC\) meeting](#): – Held in New York on the last date of the conference on October 31, 2007. This meeting was mainly to select invited speakers, recruit new TPC members, and suggest short course topics.

About 9 months before the conference:

- [Web Entry: “Technical Program Committee \(TPC\)”](#) – Finalized on February 1, 2008, after the first Technical Program Committee (TPC) meeting that was held at the end of the previous conference (October 31, 2007)
- [Web Entry: “Invited Talks”](#) – Finalized by February 1, 2008, after the first TPC meeting that was held at the end of the previous conference (October 31, 2007)
- [Web Entry: “Special Clinical Session”](#) – Finalized by February 1, 2008, after the first TPC meeting that was held at the end of the previous conference (October 31, 2007)
- [Web Entry: “Short Courses”](#) – Finalized by February 1, 2008, after the first TPC meeting that was held at the end of the previous conference (October 31, 2007)

About 7 months before the conference:

- [Web Entry: “Exhibits”](#) – Exhibits webpage opened on April 11, 2008 and the exhibitor list had been finalized by September 15, 2008, the exhibit registration deadline
- [Web Entry: “Conference Hotels”](#) – Finalized on April 11, 2008
- [Web Entry: “Visa Application”](#) – Finalized on April 11, 2008
- [Web Entry: “Three Local Guest Tours”](#) – Finalized on April 11, 2008
- [Web Entry: “China Tours”](#) – Finalized on April 11, 2008
- [Web Entry: “Corporate Sponsors”](#) – Added sponsors as soon as they have made contributions
- [Web Entry: “Taxi / Bus Help”](#) – Finalize as soon as possible (when the hotels are finalized)
-
- [Web Entry: “Student Paper Compete”](#) – Finalized as soon as possible, no later than April 16, 2008, when the abstract submission site was open

- [Web Entry: “Abstract Submission”](#) – Opened on April 16, 2008 (the date was later than we planned since the abstract submission process involved a lot of customizations and testing of Mira submitSMART module that were related not only to abstract submission, but also review, system operations by organizers, data report process, and program assembly module, the Mira programSMART)

About 6 months before the conference:

- [Abstract submission deadline](#): – Midnight, Sunday, May 4, 2008, Pacific Standard Time (PST), USA
- [Group chairs assigned abstracts to reviewers](#): – Group Chairs assigned reviewers with Mira reviewSmart and sent batch downloaded PDF abstracts to reviewers if they wish. General/TPC Chairs notified reviewers for their login passwords with blast email. This was done from May 5-6, 2008.
- [Reviewed abstracts by reviewers](#): – May 7 – June 6, 2008 (original dates: May 7 – May 27, 2008).
-
- [Visited China](#): – Checked the local preparation in China by the General Chair in May, 2008

About 5 months before the conference:

- [Group Chairs handled review results with Mira spreadsheets](#): – June 7 - 13, 2008.
- [The Second Technical Program Committee \(2nd TPC\) meeting](#): – Held in Chicago from June 14-15, 2008 to finalize the technical program

About 4 months before the conference:

- [Web Entry: “Abstract Results”](#) – Opened on July 2, 2008 (this page was intended to communicate with authors for the statuses of their abstracts – decisions on abstracts were made during the 2nd TPC meeting that was held in Chicago, USA, from June 14-15, 2008)
- [Web Entry: “Oral Presentation Guide”](#) – Finalized on July 2, 2008, the date that the abstract results were announced
- [Web Entry: “Poster Present. Guide”](#) – Finalized on July 2, 2008, the date that the abstract results were announced
- [Web Entry: “Session Chairs”](#) – Finalized on July 2, 2008, the date that the abstract results were announced (this page may be useful for the session chairs to find their assigned sessions more easily)
- [Web Entry: “Student Travel Support”](#) – Finalized on July 2, 2008, at the same time when abstract results were announced
- [Web Entry: “Competition Finalists”](#) – Finalize on July 2, 2008, at the same time when abstract results were announced
-
- [Web Entry: “Condensed Program”](#) – Finalized on July 4, 2008 after the 2nd TPC meeting that was held in Chicago, USA, from June 14-15, 2008 and the conference program was finalized (a preliminary version of the condensed program was made before the 2nd TPC)
-
- [Exhibit registration deadline to have their names in the Program and Abstract Books](#): –July 15, 2008
- [Made a request to the Awards Chair of UFFC Society to make certificates to appreciate the efforts of the Organizing Committee members](#): –July 15, 2008
-
- [Web Entry: “Monday Noon Lunch”](#) – Finalized before online registration open
- [Web Entry: “Monday Evening Social”](#) – Finalized before online registration open
- [Web Entry: “Tuesday Dinner/Shows”](#) – Finalized before online registration open

- [Web Entry: “Guest Breakfasts”](#) – Finalized before online registration open
- [Web Entry: “Student Breakfast”](#) – Finalize as soon as possible
-
- [Web Entry: “Conference Registration”](#) – Finalized on July 20, 2008 (this was later than what we planned for since it was time-consuming to customize the registration website so that it would not only work for the online registration, but also work for the on-site registration using an Administration Center specifically developed for the 2008 IEEE IUS)

About 3 months before the conference:

- [Web Entry: “Meeting Planner”](#) – Opened on August 13, 2008 (the date was later than we planned since it took some time for us to customize and test the functionalities of the Mira attendSMART module)
- [Web Entry: “Full Program”](#) – Finalized on August 17, 2008 (Mira provided the program in grids in Microsoft Word format from its database and the General Chair of the 2008 IEEE IUS added the front matters, ensured that the minimum font size (no smaller than 5 points for abstract title, author names, and author affiliations) in each grid was big enough so that the contents were readable, added colors, headers, footers, bleed tabs, page numbers, Table of Contents, and designed the covers). The Program Book was sent to China for printing.
- [Web Entry: “Abstract Book”](#) – Finalized on August 17, 2008 (Mira provided the formatted abstract pages from its database and the General Chair of the 2008 IEEE IUS added the front matters, colors, headers, footers, bleed tabs, page numbers, Table of Contents, and designed the covers) The Abstract Book was sent to China for printing.
-
- [Web Entry: “Conference Statistics”](#) – Updated as the data become available

About 6 weeks before the conference:

- [Advance registration deadline:](#) – Midnight, Tuesday, September 12, 2008, Pacific Standard Time (PST), USA
-
- [Exhibit registration deadline:](#) –September 15, 2008

About 4 weeks before the conference:

- [Visa application deadline](#) – September 30, 2008
-
- [Web Entry: “Opening Session / Awards”](#) – Finalized about one month before the conference (placed awards winners on the web)

About 3 weeks before the conference:

- [Hotel reservation deadline:](#) – October 5, 2008, Beijing Time
-
- [Web Entry: “Paper Submission”](#) – Finalized on October 10, 2008 (the date was later than we planned since it took time to implement and test the protocol of the multimedia paper submission and DVD production, which is the first in the 46-year history of the annual IEEE IUS conferences)

About 1 week before the conference:

- [Final preparation of the conference:](#) – The General Chair went to China on October 26, 2008 to have a final check of preparation of the conference with the Finance Chair, Dr. Jan Brown.

Two days before the conference:

- [On-site registration](#): – Started at 6:00 p.m., Saturday, November 1, 2008, Beijing Time

One day before the conference:

- [Paper submission deadline](#): – Midnight, Sunday, November 2, 2008, Beijing Time

During the conference:

- [Web Entry: “Competition Winners”](#) – Finalized in the evening of Monday, November 3, 2008, when the winners were determined

Shortly after the conference:

- [Web Entry: “Conf. Photos / Videos”](#) – Finalized shortly after the conference

Developed using DVD proceedings after the conference:

- [Web Entry: “Sessions \(Papers\)”](#) – Finalized shortly after the 2008 IEEE IUS Proceedings were ready to be published (this page has also been included in the DVD to give users more options in browsing the contents of DVD)

3. A List of Things That the 2008 IEEE IUS Had Considered

The following is a list of things that the 2008 IEEE IUS had considered to be important but might be overlooked.

Conference Statistics (see P. 28 – P. 30 in the full report)

Got the three spreadsheets (two from Mira on P. 62 and 89 of the full report for the abstract submission and the proceedings paper submission, respectively, and one from YesEvents on P. 108 of the full report for conference registration) to derive various statistics of the conference. The entries of the spreadsheets were requested by the 2008 IEEE IUS and were downloaded multiple times directly from the respective vendor websites during the course of the conference to avoid lost of data.

Conference Website (see P. 32 – P. 38 in the full report)

Based on the success of the websites of previous IEEE IUS conferences, the 2008 IEEE IUS has tried to make the accesses to the contents of the conference website direct and straightforward with a fixed (non-moving) Table of Contents on left frame (pan). The website also avoided having links buried deep in the site so that users could find the information they need in less time and would be less likely to miss the information the conference intended to convey. Most important links and current links were highlighted on the main page in addition to their placements in the Table of Contents on the left pan. The 2008 IEEE IUS has used a standard Universal Resource Locator (URL) assigned by the IEEE and used the IEEE web server.

Local Arrangements (see P. 39 – P. 53 in the full report)

The 2008 IEEE IUS paid attention to:

- **Badges:** – Made the badge name **big** but at the same time provided full name and affiliation information on the badges. The designations, “Member”, “Guest”, “Student”, and “Retiree” etc would help to prevent people register in wrong categories that may have big differences in registration fees. (See the design in Fig. VII-6 of Section VII in the full report.)
- **Signage:** – Made big and clear signage (**25** inch by **18** inch) with a good contrast to background to help attendees to find their sessions and get around (including big banners if feasible). (See the design in Fig. VII-7 of Section VII in the full report.)
- **Registration counters:** – The size of the counter was **12** m (wide) by **3** m (deep), consisting of **6** counters. (See “Floor Plan of Conference Venue and Considerations for Exhibition” in Section VII in the full report.)
- **Committee meetings:** – Got these meetings organized so that the respective meeting organizers could send out notices earlier enough to their committee members to avoid confusion or missing the meetings. (See “Appendix C. Meeting Schedule” in the full report.)
- **Coffee breaks:** – Had about **four** stations to avoid over crowdedness. (See “Coffee Breaks” in Section VII of the full report.)

- **Business centers:** – It would be nice to have business centers in or near the venue for attendees. (See “Business Centers and Nearby Food and Shopping” in Section VII of the full report.)
- **IEEE booth:** – Setup an IEEE booth for free. (The booth does not need to be fancy. *Two* draped tables with *two* chairs and *one* waste bucket would be enough.) UFFC Society publicity chair or student representatives in AdCom may also want to setup a similar booth. (See “Setup a Booth for IEEE Representatives” in Section VII of the full report.)
- **Student travel support:** – The Finance Chair of the 2008 IEEE IUS made an arrangement for students to pick up their money on the registration counters. (See “Help Students Pickup Their Travel Support Money” in Section VII of the full report.)
- **Water and cups:** – We bought bucket water for each oral presentation room and put tables and cups for attendees on the back of the rooms. (See “Condensed Technical Program” in Section VIII of the full report.)
- **Visa document:** – We paid the local company to handle official visa application documents. (See “Visa Application Document” in Section VII of the full report.)
- **Professional photography:** – We paid CICCST for a professional photographer for the plenary session. (See “Major Local Tasks” in Section VII of the full report.)
- **Security guards:** – We paid CICCST for security guards for both the conference and exhibits. (See “Floor Plan of Conference Venue and Considerations for Exhibition” in Section VII of the full report.)

Technical Program (see P. 54 – P. 79 in the full report)

The 2008 IEEE IUS paid attention to:

- **Overall:** – We executed the conference in *6* parallel sessions and in *3* days with a plenary session in which the society awards were presented. Attendees were given an opportunity to network with each other in one evening buffet dinner and be entertained in another evening in a formal banquet setting. A buffet lunch for all attendees in the first day of the conference was provided. Student award winners were honored at the beginning of the banquet. The President Reception was also arranged. An entertainment program for both AdCom and TPC was held the day before the conference technical program. (See “Appendix C. Meeting Schedule” in the full report.)
- **Poster boards and spacing:** – Made *2* m (wide) by *1* m (high) poster boards (the factory cut the boards to the size we specified). We had ensured the distance between any two rows of the boards to be at least *8* feet from each other (*10* feet whenever possible) for the double sided boards. (See “Floor Plan of Conference Venue and Considerations for Exhibition” in Section VII of the full report.)
- **Poster board coordinator:** – We had *one* dedicated staff member for posters. The staff member arranged poster board spacing, changed poster labels each morning, for each poster session and provided board fixing materials for poster presenters. (See “Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS” in the full report.)
- **Poster boards photos:** – *Two* photos of the poster boards were shown on the web in “Poster Present. Guide”. One showed entire board and the other showed a magnified surface of the boards so that presenters got an idea how to make and post their posters. (See “Appendix N. Guides for Oral and Poster Presenters” in the full report.)
- **Poster labels:** – The 2008 IEEE IUS had made clear labels for each poster for an effective organization of the poster sessions. (See Fig. VII-15 in “Signage” in Section VII of the full report.)
- **Audio/Visual:** – Made sure there was one computer in each oral presentation room for presenters to upload their presentations via USB thumb drives. (The 2008 IEEE IUS also allowed presenters to

hook their computers to the projectors directly so that they could present some multimedia contents that would be difficult to present otherwise.) We had one staff member in each room to help presenters and check badges so that people got what they paid for. (See “Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS” and “Appendix N. Guides for Oral and Poster Presenters” in the full report.)

- **Speaker preparation:** – The 2008 IEEE IUS had arranged in the Speaker Preparation room two identical sets of computers and projectors that were the same as those used in the oral sessions. This ensured that what had passed the test in the Speaker Preparation room would work in the oral sessions. (See Fig. VII-15 in “Signage” in Section VII of the full report.)
- **Oral and poster labels with clear meaning:** – We made the meaning of oral and poster labels clear to help attendees find presentations more easily. This helped to make the list of presentations in the Program Book and Abstract Book clear, and helped to make the list of papers in DVD, UFFC Society web, and IEEE Xplore clear too. (See “Appendix N. Guides for Oral and Poster Presenters” “Session Labels of Oral Presentations”, and “Poster Presentations and Labels” in Section VIII in the full report.)
- **Abstract formatting:** – The abstracts were nicely formatted to reduce possible fatigues of reviewers who were asked to review a large number of abstracts. (See “Abstract Formatting” in Section VIII in the full report.)
- **Abstract submission deadline:** – The deadline was strictly enforced without any extension to allow a smooth flow of the program. Authors who missed the deadlines would ensure they meet the deadlines of our future conferences. (See “Appendix J. Abstract Submission and Results” in the full report.)
- **Paper submission deadline:** – The deadline was strictly enforced to prevent someone to include talks of others in his/her papers. (See “Appendix K. Proceedings Paper Submission” in the full report.)
- **Make reviewers aware of the time-saving features for entering scores:** – It would be of help to reviewers if they are aware of the time-saving features for entering scores quickly when they review abstracts offline. (See “Time-Saving Features for Reviewers” in Section VIII in the full report.)
- **Mira websites:** – It would be of help to be familiar with the Mira abstract submission, review, program assembly, paper submission, and meeting planner websites and features. This helped the 2008 IEEE IUS tremendously, making the organization of the conference efficient with fewer mistakes. (See Sections VIII and IX in the full report.)
- **Default letters:** – The default letters that the 2008 IEEE IUS made in the Mira system could be used as a reference for future conferences. (See “Appendix V. Default Letters of 2008 IEEE IUS” in the full report.)
- **Mira representatives in the 2nd TPC:** – The 2008 IEEE IUS found it was extremely helpful to have 2 representatives from Mira to our 2nd TPC meeting to solve any technical problems on the spot. (See “Appendix S. Agreement - Mira Services for Technical Program and Conference Proceedings” in the full report.)
- **Condensed program:** – The 2008 IEEE IUS added colors for different groups in the condensed program and indicated the number of invited talks in each session. This helped attendees to find the talks they were interested more easily and highlighted our invited talks. (See “Appendix D. Condensed Program” in the full report.)
- **Session Chairs:** – The 2008 IEEE IUS provided the names of Session Chairs on web and thus the chairs could find their sessions more easily. Emails were sent to the chair to direct them to the web. (See “Appendix O. Session Chairs” in the full report.)
- **Session summary form:** – The 2008 IEEE IUS produced about 200 Session Summary Forms on the registration counters and on the podium of each oral session so that the chairs of both oral and poster sessions could fill them out. The form was very important since papers that were not presented

properly were not included in the 2008 IEEE IUS proceedings. (See “Appendix P. Session Summary Form” in the full report.)

- **Abstract results:** – The 2008 IEEE IUS took advantage of Mira email record system to direct authors who have not received the email notifications regarding their abstract statuses for some reason to the Mira website to view the emails sent to them. This worked very well for the 2008 IEEE IUS and there was no single author asked us for abstract results. (See “Appendix J. Abstract Submission and Results” in the full report.)
- **Student travel support:** – The 2008 IEEE IUS had paid extra programming hours to make student travel support module in the Mira system. This might also be useful to the future conference organizers. (See “Appendix M. Student Travel Support”, “Student Travel Support”, “Group Chair Menu”, and “General Chair and TPC Chair Menu” in Section VIII in the full report.)
- **Student travel support recipients:** – The 2008 IEEE IUS had listed the **50** student travel support recipients on the web as a permanent record so that future conferences could cross check to make sure these students were not awarded again so that our limited amount of money could reach more students. In addition, to encourage students, who are the future of our society, to join IEEE and UFFC Society, the 2008 IEEE IUS checked with IEEE database through the Membership Chair of the UFFC Society to verify if students were both IEEE and UFFC members, which were part of the conditions listed on the conference web for the award. (See “Appendix M. Student Travel Support”, “Student Travel Support”, “Group Chair Menu”, and “General Chair and TPC Chair Menu” in Section VIII in the full report.)
- **Program Book and Abstract Book:** – The 2008 IEEE IUS had made sure that each grid of the Program Book had a font size of **5** points (for both Arial and Times New Roman fonts). If the texts were out of the grid due to this font size, author affiliations were abbreviated or truncated. This was very important for our conference. The width of the Program Book was the traditional **4** inches wide so that it could be placed inside a pocket. (Program Book dimension: **4** inch by **9** inch; Abstract Book dimension: **5.5** inch by **8.5** inch. The font size was **7** points with Times New Roman for the Abstract Book.) (See “Program and Abstract Books” in Section VIII in the full report. The books can be downloaded from the conference website at http://ewh.ieee.org/conf/ius_2008/z_doc_misc/2008.08.17_2008_ieee_ius_program_book_web.pdf and http://ewh.ieee.org/conf/ius_2008/z_doc_misc/2008.08.17_2008_ieee_ius_abstract_book_web.pdf , respectively)
- **Exhibits schedule on the books:** – It was important to the exhibitors to put their exhibition time schedule and locations on the Program Book and Abstract Book so that attendees could make arrangements to visit their booths. (See the Program and Abstract Books above and the conference website at: http://ewh.ieee.org/conf/ius_2008/z32_exhibits.html)

Conference Proceedings (see P. 80 – P. 98 in the full report)

The 2008 IEEE IUS paid attention to:

- **Multimedia papers:** – The 2008 IEEE IUS had established with Mira for submitting and processing multimedia papers. (See “Multimedia Conference Proceedings Papers” in Section IX in the full report.)
- **Submit to TUFFC:** – The 2008 IEEE IUS had encouraged authors to submit an expanded and more complete version of their conference papers to IEEE TUFFC. (See “Submit Papers to IEEE TUFFC” in Section IX in the full report.)

- **DVD proceedings:** – The 2008 IEEE IUS had added convenient features to the DVD beyond the standard Mira indexSmart browsing and searching tools. For example, the 2008 IEEE IUS provided both PDF and HTML main menus, and provided a session browser. (See “Main Menu of DVD Proceedings”, “The PDF-Based Main Menu Document”, “HTML (Web-Based) Main Menu of DVD Proceedings”, and “Paper Browser Interface” in Section IX in the full report.)
- **Delivery of proceedings:** – The 2008 IEEE IUS proceedings were delivered to IEEE Xplore (including a proper delivery of multimedia contents), UFFC website (FASS website), and attendees. (See “Delivery of IEEE Xplore-Compatible Files”, “Delivery of Conference DVD to FASS”, and “Shipping DVDs to Attendees” in Section IX in the full report.)

Registration Services (see P. 99 – P. 113 in the full report)

The 2008 IEEE IUS paid attention to:

- **Registration forms:** – The 2008 IEEE IUS developed a paper registration form first and then used it as a basis for the online registration form that was developed by YesEvents, the registration company. We found it was efficient to do this way. (See “Appendix B. Print Conference Registration Form” in the full report.)
- **Administration Center:** – The 2008 IEEE IUS had worked with YesEvents who spent hundreds of hours of programming time to establish an Administration Center (Admin Center). The Admin Center allowed on-site registration company to use the same registration database of YesEvents without having to have YesEvents personnel onsite. This center helped the 2008 IEEE IUS to accurately and quickly reconcile the money for both online and on-site cash registrations. (See “Appendix T. Agreement - YesEvents Registration Services” and “Administration Center in Section X in the full report.)
- **Registration Kiosk:** – The 2008 IEEE IUS had 8 Windows XP systems with a dedicated 2-Mbits/s high-speed Ethernet line for on-site registration. In the contract with YesEvents, the 2008 IEEE IUS had requested technical support during the registration hours (including weekends) of Beijing, which has about 12 hours time difference from that of the USA. In addition, the 2008 IEEE IUS had requested the local Chinese registration company to have their traditional paper registration ready as a backup in case internet services were interrupted. Although the traditional paper registration might be error prone (attendees might give unclear names, addresses, and/or email addresses in their hand writing and thus making mailing of DVD proceedings to attendees difficult later) and thus would not be desirable, it was intended for the last resort only. (See “Appendix T. Agreement - YesEvents Registration Services”, “Floor Plan of Conference Venue and Considerations for Exhibition” in Section VII, and “Registration Kiosk” in Section X in the full report.)
- **Registration training:** – Since the 2008 IEEE IUS used the local company, CICCST, to handle on-site registration, which reduced the cost, the General Chair had trained the staff of CICCST to use the database of YesEvents through the Admin Center before the start of onsite registration. (See “Appendix T. Agreement - YesEvents Registration Services”, “Floor Plan of Conference Venue and Considerations for Exhibition” in Section VII, and “Registration Kiosk” in Section X in the full report.)
- **Registration staffing:** – We had many trained volunteers who were mostly graduate students on English major from nearby Universities in the registration counters and in the registration Kiosk to answer questions of attendees so that the main registration staff would not be distracted. These students were eager to talk to conference attendees to practice their English and their services helped them earn extra credits and their resumes in finding jobs after graduation. (See “Appendix R.

Agreement - CICCST Services and Fees for 2008 IEEE IUS”, and “Registration Kiosk” in Section X in the full report.)

- **Some suggestions:** – The 2008 IEEE IUS feels that in our future conferences it would be of help to also request a dedicated high-speed internet line and somehow test it before conferences. Even so, the backup measures that the 2008 IEEE IUS used in Beijing might still be needed as we understand that the internet is a relatively new technology and it may take a while before it is mature in different parts of the world (our conferences are rotating around the world now). (I.e., to have the registration company, such as YesEvents, technical support standby and think about a backup measure so that we do not get interrupted during the on-site registration.) (See “Registration Kiosk” in Section X in the full report.)

Short Courses (see P. 114 – P. 115 in the full report)

The 2008 IEEE IUS paid attention to:

- **Short courses:** – The 2008 IEEE IUS made sure that the coffee breaks, rooms of proper sizes, registration, short course material printing and pickup, and advertisement of the courses on the conference website were properly arranged in addition to the organization of the short course topics. (See Section XI “Short Courses” in the full report.)

Finance (see P. 116 in the full report)

The 2008 IEEE IUS paid attention to:

- **Finance:** – The finance of the 2008 IEEE IUS includes conference budget development, interaction with IEEE, setup of bank accounts, loans from the UFFC Society, student travel support money delivery, paying bills, close book after the conference, IEEE audits, and many other tasks. (See Section XII “Finances” in the full report.)

Publicity (see P. 117 in the full report)

The 2008 IEEE IUS paid attention to:

- **Publicity:** – About two weeks before the major deadlines listed near the beginning of this document, announcements were sent out to appropriate recipients via emails. (See Section XIII “Publicity” in the full report.)

Exhibits (see P. 118 in the full report)

The 2008 IEEE IUS paid attention to:

- **Exhibits:** – Most exhibits booths of the 2008 IEEE IUS had a size about 3 m by 3 m. Each exhibition booth was equipped with one back drop panel, one 4-foot wide table, two chairs, one waste basket, standard electricity and lighting, and a signage that showed the name of the company. Additional lighting, electricity, and services could be ordered and paid for by individual companies. We also provided a wine service to exhibitors during their setup on Sunday, November 2, 2008. (See Section XIV “Exhibits” and “Floor Plan of Conference Venue and Considerations for Exhibition” in Section VII in the full report.)

- **Location of exhibition:** – The 2008 IEEE IUS paid attention to the location of exhibitors, who would like to be exposed to the greatest extent. The exhibition booths were arranged near the conference registration counters, poster areas, coffee break areas, and session rooms. Exhibitors said the worst thing for them was to put them in an isolated room where no people could find them easily or there would be no traffic to them, wasting their time and money. (See “Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS” in Section VII in the full report.)
- **Incentive for local Chinese company and cost reduction:** – The 2008 IEEE IUS shared **50%** of surplus from the exhibits with the local Chinese company. The exhibition prices were set by the 2008 IEEE IUS with **\$1,000** for those who have exhibited during the past two years and **\$1,100** for others. This encouraged CICCST to recruit more exhibitors and ensured a proper treatment of exhibitors. (See “Appendix R. Agreement - CICCST Services and Fees for 2008 IEEE IUS” in Section VII in the full report.)

Meet IEEE Requirements (see P. 120 in the full report)

The 2008 IEEE IUS paid attention to:

- **Contract approval:** – All contracts that handled money over **\$25,000** were approved by the IEEE (although the contract with a registration company might not exceed \$25,000 but the registration company could collect more than \$25,000 registration fees and thus the approval was still needed). (See Section XIV “Meet IEEE Requirements” in the full report.)

4. Use of Mira System (Based on 2017 IEEE IUS)

To help future conference organizers who would like to use **Mira system** to handle abstract submission, abstract review, conference program development, proceedings paper publications, and more, a **tutorial based on 2017 IEEE IUS** for using the Mira system was developed on **July 15, 2017**. This tutorial also includes all relevant screen shots. The details are in **Appendix X. “Mira Digital Publishing” System for 2017 IEEE IUS** of the full report “**Organization of the 2008 IEEE International Ultrasonics Symposium (IUS)**”.

Appendix X. “Mira Digital Publishing” System for 2017 IEEE IUS

Appendix X:

“Mira Digital Publishing” System for 2017 IEEE IUS

(Including 2017 IEEE IUS conference registration form and pages from YesEvents)

1. Introduction

This appendix is developed mainly to help General Chairs, TPC Chairs, Group Chairs, Proceedings Chair, slides-plus-audios oral session recording team, and others to quickly understand what the “Mira Digital Publishing” system (called “Mira” later) can and cannot do to help conference organizers to accomplish their tasks efficiently and ask right questions for Mira for further customizations. It is developed based on the Mira system for the 2017 IEEE International Ultrasonics Symposium (IUS). Although the Mira system for the 2017 IEEE IUS is used as an example, the Mira system is in large part the same as those customized for the 2008 IEEE IUS held in Beijing, China, which indicates that the Mira software is quite flexible and stable over the past 10 IEEE IUS conferences (the Mira system was introduced to IEEE IUS by the 2008 IEEE IUS). Further customizations would not be difficult by Mira IT personnel to meet the future needs of the IEEE IUS conferences. Since Mira software is stable over the past 10 years for IEEE IUS, many details for the management of the technical program (Section “VIII. Technical Program and Mira Digital Publishing”) and the development of the conference proceedings (Section “IX. Conference Proceedings”) of the 2008 IEEE IUS above are still relevant.

To start using the Mira system, the General Chair should ask Mira to create an Admin account for you. This account includes the following menus: “Author Menu”, “Reviewer Menu”, “Group Chair Menu”, and “General Chair and TPC Chair Menu”. The pink color below indicates some functions that you may have of a particular interest but you might not have realized that they are there. In order for any one (including General Chairs and TPC Chairs) to see data in the “Group Chair” menu, he/she must be assigned to be Group Chairs in relevant Groups first.

The descriptions of the tasks below are mainly for abstract submission, review, and conference technical program development where the Mira website is configured for abstract submissions (set the option to abstract submissions in Item 2.14.a below). When the Mira website configuration is changed to conference proceedings paper submissions (set Item 2.14.a below), almost all of the tasks below are still available.

However, in this case, some of the results displayed may be related to proceedings paper submissions only. Also, some of the tasks for abstract submissions are no longer relevant or simply do not function in the paper submission mode. Notice that the texts in “[]” are explanations of the differences when the Mira system is switched to the proceedings paper submission mode.

Important Notes for Session Recording Team and for Proceedings Chair:

(1) The team who performs the session recording (slides plus audios) needs to get relevant information (session information and author consents) from Item (vi) of Task 2.12 “Manage Reports” below in the “General Chair and TPC Chair” menu.

(2) The 3 tasks below may be used by the conference Proceedings Chair: (a) Task 2.13 “Submit/View Ithenticate Files” in the “General Chair and TPC Chair” menu for CrossCheck of proceedings papers; (b) Task 3.9 “View/Download Paper Data” in the “Group Chair” menu for development of conference proceedings (it contains payment information, files uploaded by authors, multimedia, and so on); (c) Task 3.2 “View My Paper Lists” in the “Group Chair” menu, where links such as “Waiting for File Upload” can be clicked to see the results of CrossCheck in a list view.

Screen captures corresponding to each of the tasks below are included at the end of this appendix as examples.

2. General Chair and TPC Chair Menu (14 tasks):

2.1. Quick Search

Quickly find user account details (unlike “Quick Search” in the Group Chair menu, no abstract related information is provided).

2.2. Impersonate User

Login to account of users to help them fixing account-related issues if there are any.

2.3. Review Project Statistics

(i) View if every submitted abstract has been taken care of in the conference program and view abstract statistics.

(ii) “Click abstract title” to show details of abstract submission information and review result.

(iii) “Click ‘Edit’” to change abstract submission data of authors.

[In “Proceedings Paper Submission” mode, the display results in (i)-(iii) are different.]

2.4. Display Abstract Counts by Group

Display statistics of abstracts of each TPC Group.

2.5. Manage Student Travel Amounts

(i) Specify total amounts of money for student travel in each TPC Group (in “Allocate Student Award Money” of Group Chair menu, each Group Chair is able to determine which students are getting the travel support and the amount for each student, with a total that may not exceed the amount set by the General Chair and TPC Chair here).

(ii) List abstracts of authors who requested travel support.

(iii) “Click abstract title” to show details of abstract submission information and review result.

(iv) “Click ‘Edit’” to change abstract submission data of authors.

[In “Proceedings Paper Submission” mode, the display results in (ii)-(iv) are not available.]

2.6. Abstract List

- (i) Listed every abstract submitted (including withdrawn and incomplete submissions).
- (ii) “Click abstract title” to show details of abstract submission information and review result.
- (iii) “Click ‘Edit’” to change abstract submission data of authors.

[In “Proceedings Paper Submission” mode, the display results in (i) are different and the task is changed to “Paper List”.]

2.7. Manage Email Templates

Create email templates for select groups of people using MIRA database. 34 email templates of previous years are already there and can be used as a starting point to modify from. Task 2.11 below can use these email templates. There is a “Show Tag” button to display recognized tags and a “Preview” button for you to see the email the recipient would see.

2.8. Review Email Logs

Search for emails that General Chair and TPC Chair have sent.

2.9. Assign Group Chair to Group

Assign Group Chairs to 5 Groups. This needs to be done before the abstract review process. General Chair and TPC Chair can assign themselves to all Groups to see what Group Chairs would be able to do in the Group Chair menu.

2.10. ProgramSMART:

After abstracts are reviewed and decisions are made, this task arranges the accepted abstracts into sessions of the conference program. There are sub-menus in this menu. The sub-menus are explained separately below. This task is the same as “Program Smart Scheduling” in the Group Chair menu.

2.10.a. Event at a Glance

Arrange and view technical program in green visual blocks. This includes the following operations:

- (i) Create a new event.
- (ii) Event list.
- (iii) Assign submissions.
- (iv) Configure the view of events.

2.10.b. Manage Event List

Display sessions above in a list view. It has buttons for the following:

- (i) Create New Sessions.
- (ii) View Unscheduled Submissions.
- (iii) Show Author Conflicts.
- (iv) Show Author and Chair Conflicts

[In “Proceedings Paper Submission” mode, the display results in (ii) show nothing.]

2.10.c. Assign Submissions to Events

Batch assign accepted abstracts to each session. Also, session chairs can be specified.

[In “Proceedings Paper Submission” mode, this task displays no results.]

2.10.d. View Authors Conflicts

The same as “Show Author Conflicts” in 2.10.b above.

2.10.e. Program Smart Errata

Used for checking if every abstract accepted has been placed into a session.

[In “Proceedings Paper Submission” mode, this task displays different results.]

2.10.f. View Session Chair Invitation Report

Display which session chairs have accepted, declined, or “no response” to the invitations. **This is a useful tool for running a smooth conference** since missing Session Chairs or scrambled to find Session Chairs in the last minute would create problems.

[In “Proceedings Paper Submission” mode, this task displays no results.]

2.10.g. View Program Book Report

Produce **conference program book** automatically with different options.

2.11. Manage/Send Blast E-mail

Blast emails can be created using the email templates in Task 2.7 above. A record of all blast emails sent is listed here. You can also see all recipients of each blast email.

2.12. Manager Reports

Create or manage existing Excel report files. General Chair and TPC Chair are able to create reports. Group Chairs also are able to create reports. Each report created by anyone is logged in this task. General Chair and TPC Chairs are able to produce the following reports:

- (i) Submissions (for all abstracts including withdrawn).
- (ii) Site Users (contact information of users, etc).
- (iii) Accepted Primary Authors (there was an ERROR).
- (iv) Successfully Submitted Invited Presenting Authors.
- (v) Invited Presenting Authors.
- (vi) Presentation **Recording Consent** (this may not be available in abstract submissions since my consent does not show up).

[In “Proceedings Paper Submission” mode, the original reports in abstract submissions are cleared. Item (i) above has a different status. Item (iv) displays no results. Item (vi) now shows a full result that is very useful for the team to **manage session recordings** but the saved .csv file has a **wrong format** that needs to be fixed by Mira.]

2.13. Submit/View Ithenticate Files

CrossCheck for files: I used my abstract to do a test. However, after testing, my abstract disappeared from the list. After logging out and then logging in again, the CrossCheck scores of the abstract are displayed. The CrossCheck worked properly for my abstract during the testing.

[In “Proceedings Paper Submission” mode, this task displayed nothing. This may be due to the fact that there are no proceedings papers uploaded yet on July 4, 2017 when I did the checking. **This task should be very important to check plagiarism for proceedings papers and thus needs to be used by the conference Proceedings Editor.**]

2.14. Site Configuration:

There is a sub menu for this task and will be explained separately below. It customizes various functions of the Mira website. For example: It allows switching between abstract and proceedings paper submissions. It can control if authors are allowed to submit abstracts after the deadline and if reviewers are allowed to submit reviews after the deadline.

2.14.a. General Site Settings

- (i) Control whether authors and reviewers are allowed to submit abstracts or review results after deadlines.
- (ii) Specify the MIRA website is for abstract submission site or for proceedings paper submission site.
[In “Proceedings Paper Submission” mode, select “Paper Submissions” option.]

2.14.b. Author Role

Customize what authors can see and do during their abstract or proceedings paper submissions.
[In “Proceedings Paper Submission” mode, payment is enabled: “this role has payment”.]

2.14.c. Reviewer Role

Customize what reviewers can see and do during their abstract review.

2.14.d. Group Chair Role

Customize what Group Chairs can see and do for managing the abstract review and conference program development.

2.14.e. General Chair and TPC Chair Role

Customize what General Chair and TPC Chair can see to manage the conference.

2.14.f. Client Area HTML

Customize the instructions on the left-hand-side or top of each web page using HTML language. Templates from previous years are there for you to modify from and thus it is not difficult to make change (thus one may not need to be familiar with the HTML language to do the modifications). If you see that instructions in some pages are not clear, it is easy for you to change them quickly (some information is old and should be updated). Your changes will also be used as a template for next year. The instructions are for the following menus:

- (i) Authors.
 - (ii) Reviewers.
 - (iii) Group Chairs.
 - (iv) Staff.
 - (v) General Chair and TPC Chair.
 - (vi) Global Areas, Login Page, and “Remember Me” page.
 - (vii) Copy Client areas from another website to carry settings from year to year for a particular conference.
- An **IUSDemo** is available for copying in addition to 2016 IEEE IUS and 2017 IEEE IUS.] *

2.14.g. Client Images/PDFs

Conference banner images, ieee logo, uffc-s log, and PDF files uploaded for general use.

2.14.h. All Site Names

Customize names used in specific conferences.

2.14.i. Button Captions

Customize names of buttons in various pages.

2.14.j. Batch Download PDF Settings

Customize which tasks (such as “This is a student Abstract”) to show on the PDF abstracts produced for batch download.

2.14.k. Site Colors

Could not be accessed even with MS Internet Explorer 11. – This does not work.

2.14.l. Allowable File Types

Customize the types of files allowed for uploading by authors during their abstract or **proceedings paper** submissions.

2.14.m. Abstract Conversion Settings

Customize some formatting and number of characters allowed for abstract submissions.

[In “Proceedings Paper Submission” mode, “Enable Abstract Conversion (must notify IT for change to take effect)” checkbox is deselected.]

2.14.n. ProgramSMART Settings

Customize **conference dates**, **room names**, and **prevent Group Chair from accidentally changing the technical program** after the program is set.

3. Group Chair Menu (12 tasks):

[In “Proceedings Paper Submission” mode, the 12 tasks in this menu are reduced to 8 (3 tasks related to reviewers and 1 task related to student travel support are removed). Also, the word “Abstract” is changed to “Paper”.]

3.1. Quick Search

Quickly find user account details. The following can be done for the abstracts found:

- (i) **The scores, average score, and standard deviation.**
- (ii) Batch accept abstracts as oral, batch accept as poster, batch reject.
- (iii) Send blast email to authors or reviewers.
- (iv) Batch download abstracts found.

[In “Proceedings Paper Submission” mode, Item (i) reviewer ratings are not displayed. Also, more table columns are displayed for papers.]

3.2. View My Abstract Lists

This task is similar to the “Review Project Statistics” in General Chair and TPC Chair Menu:

- (i) **View if every abstract has been taken care of in the program and view abstract statistics.**
- (ii) **Show details of abstract submission information and review result but it is more restrictive than in the General Chair and TPC Chair menu.**
- (iii) **“Click ‘Edit’” to change abstract submission data of authors.**

[In “Proceedings Paper Submission” mode, Item (i) shows statistics relevant to the proceedings paper submissions. When clicking on the links such as “Waiting for File Upload” inside the statistics, it shows the **CrossCheck** results “Word Count”, “Score”, and “Similarity Report” of each paper in the table.]

3.3. View All Abstract

List abstracts using different filters. It is similar to “Abstract List” in General Chair and TPC Chair menu but it is much more restrictive in terms of information provided.

[In “Proceedings Paper Submission” mode, it is similar to abstract submissions but the status is changed to paper status.]

3.4. Manage my Reviewers

Add reviewers one-by-one using email addresses.

[In “Proceedings Paper Submission” mode, this task is removed.]

3.5. View Reviewer Lists

Display reviewers invited by the Group Chair.

[In “Proceedings Paper Submission” mode, this task is removed.]

3.6. Batch Assign Reviewers to Abstract

Assign groups of abstracts to groups of reviewers with only a few clicks of buttons.

[In “Proceedings Paper Submission” mode, this task is removed.]

3.7. Send Email

Create and send blast emails to groups of people.

3.8. View/Download Reports

Five types of reports can be created. When a report is created, it is automatically logged in “Manage Reports” of the General Chair and TPC Chair menu:

(i) Submission. (It can be saved as an MS Excel-compatible .csv file that is the same as the one designed by the 2008 IEEE IUS but does not contain some reviewer data with the number of columns reduced from 92 in 2008 to 34 in 2017.)

(ii) Sub-Group Abstract Count. (It has 2 columns to show the number of abstracts submitted in each sub-area such as “MBB” of Group I.)

(iii) Abstract and Reviewer Data. (This is what Group Chairs use for technical program development and it may take a while to produce due to the size of the report, especially, when the data are from all 5 Groups. If you have trouble to produce the report due to browser time out, you could ask Mira to download it for you.)

(iv) Overview of Abstract Reviews. (It is the same as “Abstracts and Reviewer Data” above but contains much less data.)

(v) Schedule Abstract. (This report is the same as the one designed by the 2008 IEEE IUS with 25 columns and the information in this report is mainly used for proceedings paper management after the website is converted from abstract submissions to proceedings paper submissions. Multimedia paper submission has been taken into consideration in this report.)

[In “Proceedings Paper Submission” mode, Items (i)-(iv) only shows rejected abstracts and their data columns are the same as those in abstract submissions, and Item (v) shows paper submissions and is the key file for the conference Proceedings Editor.]

3.9. View/Download Abstract Data

It displays abstract and reviewer information and is about the same as that in (iii) of Task 3.8 above. The report produced is logged in “Manage Reports” of the General Chair and TPC Chair menu. Group Chairs use the data to manage the technical program development. It may take a while to display the data due to the size of the data, especially, when the data are from all 5 Groups (when one is assigned as Group Chairs in all 5 Groups). You could ask Mira to download it for you if it times out in your browser.

[In “Proceedings Paper Submission” mode, this task is identical to (v) in Task 3.8 above, which is the key file for the conference Proceedings Editor.]

3.10. Batch Sort Abstract Data

Filter, sort, display, and download abstract data (it only has 5 columns and is a subset of information that can be obtained in the “View/Download Reports” above and thus may not be very useful).

3.11. Allocate Student Award Money

Specify which students should get travel support money and the amount for each student, as long as the total does not exceed the amount set in “Manage Student Travel Amounts” of the General Chair and TPC Chair menu above.

[In “Proceedings Paper Submission” mode, this task is removed.]

3.12. Program Smart Scheduling

After abstracts are reviewed and decisions are made, this task arranges the accepted abstracts into sessions of the conference program. There are sub-menus in this menu. This task is the same as “ProgramSMART” in the General Chair and TPC Chair menu. Please check the General Chair and TPC Chair menu for details.

3.12.a. Event at a Glance

Arrange and view technical program in green visual blocks. This includes the following operations:

- (i) Create a new event.
- (ii) Event list.
- (iii) Assign submissions.
- (iv) Configure the view of events.

3.12.b. Manage Event List

Display sessions above in a list view. It has buttons for the following:

- (i) Create New Sessions.
- (ii) View Unscheduled Submissions.
- (iii) Show Author Conflicts.
- (iv) Show Author and Chair Conflicts

[In “Proceedings Paper Submission” mode, the display results in (ii) show nothing.]

3.12.c. Assign Submissions to Events

Batch assign accepted abstracts to each session. Also, session chairs can be specified.

[In “Proceedings Paper Submission” mode, this task displays no results.]

3.12.d. View Authors Conflicts

The same as “Show Author Conflicts” in (3.12.b) above.

3.12.e. Program Smart Errata

Used for checking if every abstract accepted has been placed into a session.

[In “Proceedings Paper Submission” mode, this task displays different results.]

3.12.f. View Session Chair Invitation Report

Display which session chairs have accepted, declined, or “no response” to the invitations. This is a useful tool for running a smooth conference since missing Session Chairs or scrambled to find Session Chairs in the last minute would create problems.

[In “Proceedings Paper Submission” mode, this task displays no results.]

3.12.g. View Program Book Report

Produce conference program book automatically with different options.

4. Reviewer Menu (3 tasks):

4.1. User Information

Reviewer account information.

4.2. Reviewer Home

Home page that display all abstracts assigned and to be reviewed.

4.3. Review Statistics

Display a summary of the review result.

5. Author Menu (9 tasks):

9 sequential steps are needed to complete submitting an abstract. Information collected during abstract submission is used in the subsequent technical program development and management of the conference. This information is also used for conference proceedings development since only authors with accepted abstracts are allowed for proceedings paper submissions.

[In “Proceedings Paper Submission” mode, the steps for paper submissions are similar to abstract submissions below but different.]

5.1. Login Information

Modify user name and password.

5.2. User Information

User account information.

5.3. Author Home

Abstract submission home page. The display may change when abstract status is changed:

- (i) “Create a new abstract” waiting for new abstract submission.
- (ii) “Incomplete” if an abstract submission is not completed.
- (iii) “Successfully Submitted” when an abstract is submitted successfully.
- (iv) Display decision of an abstract (accepted as oral, accept as poster, and reject, etc).
- (v) Show “Recording Consent” for abstracts accepted for oral presentations.
- (vi) Allow authors to see email history of communication with the conference, which is useful in case emails are lost due to email junk filters.

5.4. Author Information

Enter author information of the abstract.

5.5. Abstract Information

Enter information related to the abstract.

5.6. Abstract

Enter abstract.

5.7. Upload Files

Upload figure files:

- (i) Upload page.
- (ii) Browse for files.
- (iii) Manage uploaded files.

5.8. Convert Abstract to PDF

Converting the abstract to PDF for proof read:

- (i) 60 second timer for conversion.
- (ii) Proof read.

5.9. Confirmation

Display a confirmation for a successfully submitted abstract.

6. YesEvents Conference Registration (9 tasks):

The 2017 IEEE IUS uses a company called YesEvents (see Section X. “Registration Services with YesEvents” above for detail) to handle conference registration. YesEvents was introduced to IEEE IUS the first time in 2008 by the 2008 IEEE IUS. Although YesEvents is not related to Mira Digital Publishing, it is related to one of the major tasks of General Chairs, i.e., conference registration. Thus, I have recorded the registration steps of the 2017 IEEE IUS when I registered for the conference on June 30, 2017 for the convenience of conference organizers.

- (i) Conference registration website.
- (ii) Registration form – welcome and select registration type.
- (iii) Registration form – verify IEEE membership.
- (iv) Registration form – list of registration fees.
- (v) Registration form – input registrant information.
- (vi) Registration form – registration summary.
- (vii) Registration form – enter credit card information.
- (viii) Registration form – confirmation page.
- (ix) confirmation email received by Jian-yu Lu.

Please continue to read the following pages that show the screen captures of the corresponding tasks of the Mira system and YesEvent registration steps above to understand exactly what each task means.

7. Proceedings Paper Submission (12 tasks):

Submission of a proceedings paper involves the following steps. Mira uses the abstract submission and the conference program database to allow only those authors whose abstracts are accepted to submit conference proceedings papers. Notice that future conference organizers could **ask Mira to change the word “abstract” to “paper”** for corrections in many places (some places have been changed but many have not). The places where “abstract” needs to be changed to “paper” can be found from the screen captures of the paper submission steps below.

7.1. Instructions on 2017 IEEE IUS Website

Instructions to authors by conference organizers.

7.2. Login Page of Mira for Proceedings Paper Submission

Webpage for authors to login. The login user names and passwords are the same as those for abstract submissions.

7.3. Home Page after Login

This page shows the status of paper submission. Also, it would be good to **ask Mira to also allow oral authors to submit their consents** for recording slides plus audios of their oral presentations during proceedings paper submissions (it was allowed after abstracts were accepted for oral presentations).

7.4. Author Information

Enter author information of the paper after clicking on “continue” link in Task 7.3 above.

7.5. Paper Information

Ask authors to confirm that they have read the instructions how to prepare their proceedings papers. Also, authors can modify the titles of their papers.

7.6. Abstract and Files

Enter the abstract of the paper and upload the file of the paper.

7.7. Upload Multimedia Files

Upload multimedia files for multimedia papers.

7.8. Convert Paper to PDF and Proof Read

Proof read the PDF conversion of the file of the paper uploaded.

7.9. Opportunity to Fix Problem of Paper Submission

This page provided 4 options below:

- (i) “Proceed to Payment” to finish the paper submission.
- (ii) “Resubmit My Paper” to correct for mistakes.
- (iii) “Fix My Paper” later to stop the submission process.
- (iv) “View My Paper” to view the converted paper.

7.10. Payment

Pay for extra page charges if there is any.

7.11. Receipt of the Payment

The receipt of the payment can be obtained from the home page of the author (notice that the amount for each extra page is set in Task 2.14 “Site Configuration” above and thus the **amount \$100 shown is only an example and may be subject to change** by the conference organizers to make it consistent with the instruction on the conference website in Task 7.1 above).

7.12. Ready to Go IEEE Copyright Submission

This page provide 6 options as follows:

- (i) “Submit My Paper” to go to IEEE Copyright page.
- (ii) “Update Authors”.
- (iii) “Change Paper Information”.
- (iv) “Submit My Paper” that is the same as (i) above.
- (v) “Change/Delete Multimedia Files”.
- (vi) “View My Paper”.

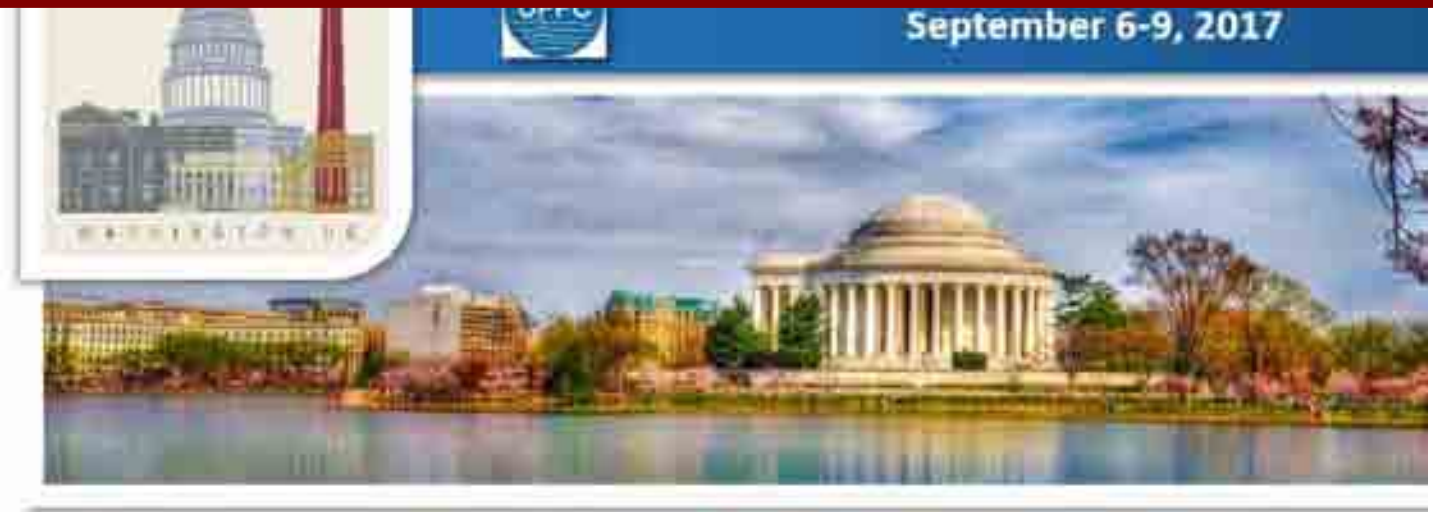
7.13. IEEE Copyright Form

Answer a few questions and submit IEEE Copyright form online. (I have not completed this step because my paper is not ready to be submitted yet by July 4, 2017).

7.14. Confirmation

A confirmation page showing you have successfully submitted the paper. (I have not reach this page because my paper is not ready to be submitted yet by July 4, 2017).

2. General Chair and TPC Chair Menu (14 tasks):



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

General Chair and TPC Chair Home

2017 IEEE IUS
September 6-9,
2017
Washington, D.C.,
USA

[Please click here to return to the IUS 2017 website](#)

The abstract submission deadline is April 1, 2017 11:59pm (PDT).

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- * [Quick Search](#)
- * [Impersonate User](#)
- * [Review Project Statistics](#)
- * [Display Abstract Counts by Group](#)
- * [Manage Student Travel Amounts](#)
- * [Abstract List](#)
- * [Manage Email Templates](#)
- * [Review Email Logs](#)
- * [Assign Group Chair to Group](#)
- * [ProgramSMART](#)
- * [Manage/Send Blast E-mail](#)
- * [Manager Reports](#)
- * [Submit/View Ithenticate Files](#)
- * [Site Configuration](#)

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2.1. Quick Search

Quickly find user account details (unlike “Quick Search” in the Group Chair menu, no abstract related information is provided).



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

General Chair and TPC Chair Search

Enter your search criteria and click the Find button.

Search for User
by Last Name:
Search for User
by Email:
Address:
Search for
Submission by
Number(s):
Search for
Submission by
Author Last
Name:

[Find](#)

[Find](#)

[Find](#)

[Find](#)

[General Chair and TPC Chair Home](#)

[Please click here to return to the IUS 2017 website](#)

The abstract submission deadline is April 1, 2017 11:59pm (PDT).

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[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

General Chair and TPC Chair Search

Multiple records match your search. Please select the correct record below.

2017 IEEE IUS
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2017
Washington, D.C.,
USA

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The abstract submission deadline is April 1, 2017 11:59pm (PDT).

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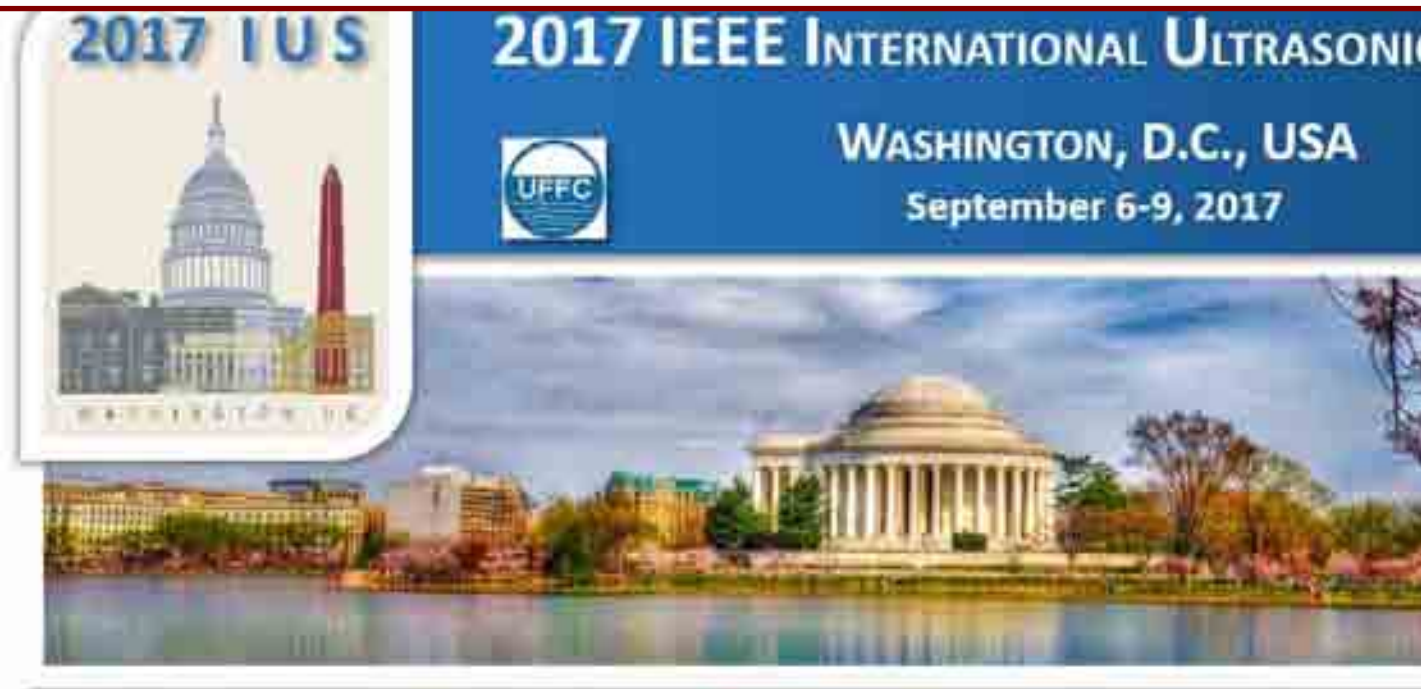
UserID	User Name	User Email Address
9	Jian-yu Lu	jian-yu.lu@ieee.org
33	zhenkun lu	lzk06@sina.com
98	Qi Luchao	lc.qi@siat.ac.cn
256	Mingzhu Lu	mzlu@mail.xjtu.edu.cn
257	Shukuan Lu	lu.shu.kuan.000@stu.xjtu.edu.cn
306	Jian-yu Lu	jilu@eng.utoledo.edu
549	Xiangning Lu	lxnam89@163.com
662	Wei Luo	hustluowei@gmail.com
966	Adam Luchies	adam.c.luchies@vanderbilt.edu
1046	Jingting Luo	luojt@szu.edu.cn
1063	Jordan Lum	jordan.lum@colorado.edu
1252	Jian-yu Lu	jilu@eng.utoledo.edu
1282	Minhua LU	luminhua@szu.edu.cn
1306	Margaret Lucas	Margaret.Lucas@glasgow.ac.uk
1312	Jianwen Luo	luo_jianwen@mail.tsinghua.edu.cn

[Return to Search](#)

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2.2. Impersonate User

Login to account of users to help them fixing account-related issues if there are any.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

Impersonate User

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Last Name:

First Name:

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Last Name:
First Name:

Action	User Name	Login	Password	Email Address
Login as user	Jian-yu Lu	IXXXXXXX	XXXXXX	jian-yu.lu@ieee.org
Login as user	Jian-yu Lu	xxxxxxx	xxxxxxx	_jilu@eng.utoledo.edu
Login as user	Jian-yu Lu	xxxxxxx	xxxxxxx	_jilu@eng.utoledo.edu

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2.3. Review Project Statistics

- (i) View if every submitted abstract has been taken care of in the conference program and view abstract statistics.
 - (ii) "Click abstract title" to show details of abstract submission information and review result.
 - (iii) "Click 'Edit'" to change abstract submission data of authors.
- [In "Proceedings Paper Submission" mode, the display results in (i)-(iii) are different.]



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Project Statistics

Withdrawn by Author	142	?	
Withdrawn by Admin	0	?	
Withdrawn Other	130	?	
Withdrawn Combined	10	?	
Unspecified	0	?	
Waiting for File Upload	0	?	
Incomplete	1	?	
Incomplete Notified	0	?	
Incomplete - Previously Successfully Submitted	0	?	
Submit/Conversion Error	0	?	
Document Too Large	0	?	
Error In Conversion	0	?	
Error In Distillation	0	?	
Pending Author Approval	0	?	
Successfully Submitted	0	?	
Pending Author Revision	0	?	
Pending Revision New	0	?	
Revision Successfully Submitted	0	?	
Uncombined	0	?	
Transferred	0	?	
Pending Review	0	?	
Reviewed (partial)	0	?	
Reviewed (Total)	0	?	
All Review Status	0		
Accepted	0	?	
Accept/Oral	438	?	
Accept/Poster	498	?	

Combined/Oral	5	?	
Combined/Poster	4	?	
Rejected	365	?	
Published	0	?	
Total Submitted (159.30% of Expected)	1593		

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2.4. Display Abstract Counts by Group

Display statistics of abstracts of each TPC Group.



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Group
Please choose an option below
Please choose an option below
Please choose an option below
Group 1: Medical Ultrasonics
Group 1: Medical Ultrasonics
Group 1: Medical Ultrasonics
Group 1: Medical Ultrasonics
Group 1: Medical Ultrasonics
Group 2: Sensors, NDE & Industrial Applications
Group 2: Sensors, NDE & Industrial Applications
Group 2: Sensors, NDE & Industrial Applications
Group 2: Sensors, NDE & Industrial Applications
Group 2: Sensors, NDE & Industrial Applications
Group 2: Sensors, NDE & Industrial Applications
Group 2: Sensors, NDE & Industrial Applications
Group 3: Physical Acoustics
Group 3: Physical Acoustics
Group 3: Physical Acoustics
Group 3: Physical Acoustics
Group 3: Physical Acoustics
Group 3: Physical Acoustics
Group 3: Physical Acoustics
Group 4: Microacoustics – SAW, FBAR, MEMS
Group 4: Microacoustics – SAW, FBAR, MEMS
Group 4: Microacoustics – SAW, FBAR, MEMS
Group 4: Microacoustics – SAW, FBAR, MEMS
Group 4: Microacoustics – SAW, FBAR, MEMS
Group 5: Transducers & Transducer Materials
Group 5: Transducers & Transducer Materials
Group 5: Transducers & Transducer Materials
Group 5: Transducers & Transducer Materials
Group 5: Transducers & Transducer Materials
Group 5: Transducers & Transducer Materials
Group 5: Transducers & Transducer Materials
Group 5: Transducers & Transducer Materials

Status	Count
Incomplete	1
Withdrawn by Author	101
Withdrawn Other	103
Accept/Oral	274
Accept/Poster	305
Rejected	255
Withdrawn by Author	24
Withdrawn Other	15
Accept/Oral	44
Accept/Poster	53
Combined/Oral	2
Rejected	30
Withdrawn by Author	6
Withdrawn Combined	2
Withdrawn Other	2
Accept/Oral	37
Accept/Poster	40
Combined/Oral	2
Rejected	23
Withdrawn by Author	1
Withdrawn Combined	2
Withdrawn Other	3
Accept/Oral	33
Accept/Poster	43
Rejected	24
Withdrawn by Author	5
Withdrawn Other	2
Accept/Oral	50
Accept/Poster	57
Combined/Oral	1
Combined/Poster	4
Rejected	33
Withdrawn by Author	5
Withdrawn Combined	6
Withdrawn Other	5

[General Chair and TPC Chair Home](#)

2.5. Manage Student Travel Amounts

(i) Specify total amounts of money for student travel in each TPC Group (in “Allocate Student Award Money” of Group Chair menu, each Group Chair is able to determine which students are getting the travel support and the amount for each student, with a total that may not exceed the amount set by the General Chair and TPC Chair here).

(ii) List abstracts of authors who requested travel support.

(iii) “Click abstract title” to show details of abstract submission information and review result.

(iv) “Click `Edit`” to change abstract submission data of authors.

[In “Proceedings Paper Submission” mode, the display results in (ii)-(iv) are not available.]



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ManagerStudentTravel

Group	Amount Allocated	Allocation Amount
Group 1: Medical Ultrasonics	\$37800.00	\$ 37800.00
Group 2: Sensors, NDE & Industrial Applications	\$6300.00	\$ 6300.00
Group 3: Physical Acoustics	\$4900.00	\$ 4900.00
Group 4: Microacoustics – SAW, FBAR, MEMS	\$4550.00	\$ 4550.00
Group 5: Transducers & Transducer Materials	\$6800.00	\$ 6800.00

[Update Allocation Amount](#)

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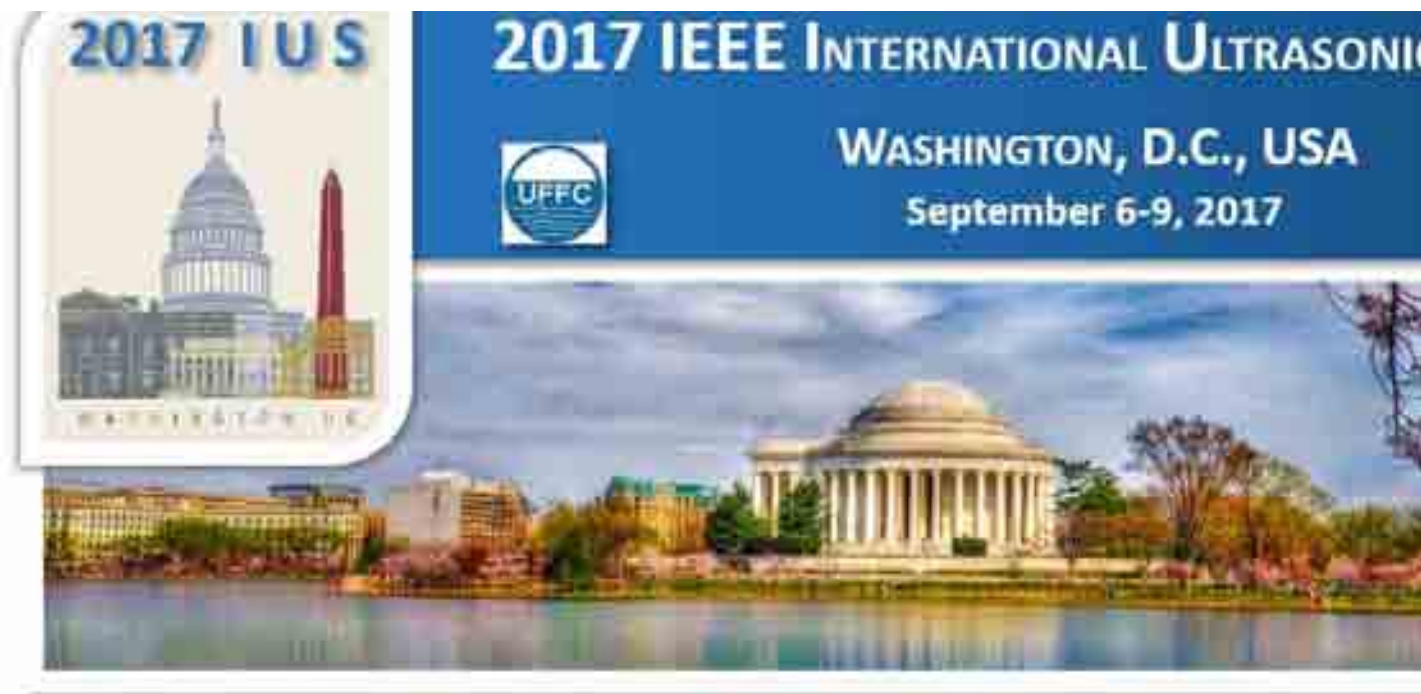
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General Chair and TPC Chair Abstract Info

Abstract ID:	18
Title:	Accelerated guided waves inspection using Compressive sensing and Local wavenumber domain analysis
Upload Date:	3/31/2017 9:47:03 AM
Status:	Accept/Oral
Group:	Group 2: Sensors, NDE & Industrial Applications
Sub-Group:	NMC Material & Defect Characterization
Presentation Preference:	Oral
Request Travel Support:	Yes
Amount Received:	NaN
Contact:	Yasamin Keshmiri Efsandabadi

Author Name	Affiliation	Type
Yasamin Keshmiri Efsandabadi	Department of Electrical, Electronic and Information Engineering, University of Bologna	Presenting Author
Alessandro Marzani	Department of Civil, Chemical, Environmental, and Materials Engineering, University of Bologna	
Nicola Testoni	Department of Electrical, Electronic and Information Engineering, University of Bologna	
Luca De Marchi	Department of Electrical, Electronic and Information Engineering, University of Bologna	Corresponding Author

Reviewer Name	Rating	Rejection Reason	Presentation Preference	Comments
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[View Converted Abstract](#)[View Original Abstract](#)[General Chair and TPC Chair Home](#)

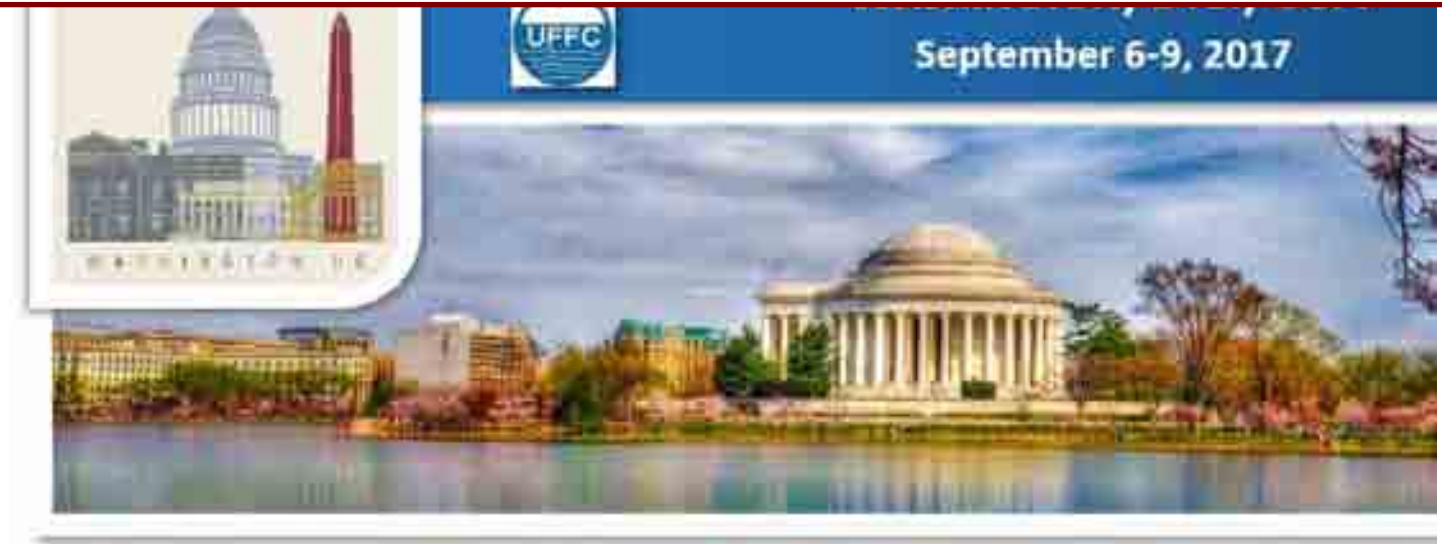
History

Reviewed on 5/2/2017 9:33:50 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 9:26:55 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 9:19:37 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 9:09:17 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 7:33:49 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 7:28:52 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 5:17:04 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 5:12:52 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 4:59:51 AM. [View Online Review Form](#)
Reviewed on 5/2/2017 4:54:07 AM. [View Online Review Form](#)
Reviewed on 5/1/2017 11:21:12 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 11:02:39 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 11:02:22 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 11:01:39 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 10:48:20 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 10:44:23 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 10:43:45 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 10:30:53 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 10:21:52 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 10:06:10 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 10:03:53 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 9:56:26 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 9:50:06 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 9:49:14 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 9:49:02 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 6:54:02 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 6:53:39 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 6:53:16 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 5:38:58 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 5:27:39 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 5:23:58 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 4:26:51 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 4:23:39 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:56:26 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:47:58 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:33:48 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:23:05 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:22:57 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:11:42 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:04:56 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 3:02:35 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:56:09 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:51:08 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:48:25 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:46:45 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:45:25 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:44:58 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:44:11 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:43:16 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:42:01 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:41:08 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:39:22 PM. [View Online Review Form](#)
Reviewed on 5/1/2017 2:38:53 PM. [View Online Review Form](#)

2.6. Abstract List

- (i) Listed every abstract submitted (including withdrawn and incomplete submissions).
- (ii) “Click abstract title” to show details of abstract submission information and review result.
- (iii) “Click `Edit`” to change abstract submission data of authors.

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Abstract List

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ID		Title	Type	Group	Sub-Group	Contact	Upload Date	Status	Edit Title and Autho Data
1	<input checked="" type="checkbox"/>	Submission_1	Contributed	Group 1: Medical Ultrasonics	MBB Medical Beamforming and Beam Steering	Mira Admin	3/3/2017 10:31:18 AM	Withdrawn by Author	Edit
2	<input checked="" type="checkbox"/>	This is test 2	Contributed	Group 2: Sensors, NDE & Industrial Applications	NAI Acoustic Imaging	Mira Admin	3/3/2017 2:06:02 PM	Withdrawn by Author	Edit
3	<input checked="" type="checkbox"/>	Test Abstract 3	Contributed	Group 2: Sensors, NDE & Industrial Applications	NAI Acoustic Imaging	Mira Admin	3/6/2017 10:17:54 AM	Withdrawn by Author	Edit
4	<input checked="" type="checkbox"/>	testing submiss	Contributed	Group 2: Sensors, NDE & Industrial Applications	NSP Signal Processing	Erdal Oruklu	3/6/2017 3:35:58 PM	Withdrawn by Author	dit Edit

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Abstract ID: 1519

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General Chair and TPC Chair Abstract Info

Abstract ID: 1519
Title: Speckle Noise Reduction for High-Frame-Rate Imaging
Upload Date: 4/2/2017 2:02:14 AM
Status: Accept/Oral
Group: Group 1: Medical Ultrasonics
Sub-Group: MIM Medical Imaging
Presentation Preference: Oral
Contact: [Jian-yu Lu](#)

Author Name

Affiliation

Type

Jian-yu Lu

Bioengineering, The University of Toledo

Corresponding
Author, Presenting
Author

Reviewer Name

Rating

Rejection Reason

Presentation Preference

Comments

Reassign Group/Sub-Group

Transfer Abstract

View Converted Abstract

View Original Abstract

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History

Reviewed on 4/27/2017 3:16:30 PM. [View Online Review Form](#)
Reviewed on 4/27/2017 3:11:59 PM. [View Online Review Form](#)
Reviewed on 4/27/2017 3:05:23 PM. [View Online Review Form](#)
Reviewed on 4/27/2017 3:00:46 PM. [View Online Review Form](#)
Reviewed on 4/27/2017 2:56:34 PM. [View Online Review Form](#)
Reviewed on 4/27/2017 2:53:15 PM. [View Online Review Form](#)
Reviewed on 4/27/2017 2:49:03 PM. [View Online Review Form](#)
Reviewed on 4/27/2017 2:46:44 PM. [View Online Review Form](#)
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Reviewed on 4/27/2017 10:45:25 AM. [View Online Review Form](#)
Reviewed on 4/26/2017 8:47:22 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 8:46:37 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 8:45:27 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 8:29:48 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 8:12:51 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 8:05:25 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 4:49:02 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 4:46:06 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 3:19:41 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 3:16:15 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 3:05:25 PM. [View Online Review Form](#)
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Reviewed on 4/26/2017 2:30:21 PM. [View Online Review Form](#)
Reviewed on 4/26/2017 2:12:17 PM. [View Online Review Form](#)
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Reviewed on 4/26/2017 9:30:42 AM. [View Online Review Form](#)
Reviewed on 4/26/2017 9:26:30 AM. [View Online Review Form](#)
Reviewed on 4/26/2017 5:23:04 AM. [View Online Review Form](#)
Reviewed on 4/26/2017 5:22:01 AM. [View Online Review Form](#)
Reviewed on 4/26/2017 5:20:46 AM. [View Online Review Form](#)
Reviewed on 4/26/2017 5:16:11 AM. [View Online Review Form](#)
Reviewed on 4/26/2017 4:50:18 AM. [View Online Review Form](#)
Reviewed on 4/25/2017 4:51:53 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 4:47:06 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 4:26:46 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 4:19:42 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 4:10:47 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 4:01:23 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 3:49:55 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 3:31:15 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 2:25:07 PM. [View Online Review Form](#)
Reviewed on 4/25/2017 11:03:54 AM. [View Online Review Form](#)
Reviewed on 4/25/2017 10:03:57 AM. [View Online Review Form](#)

2.7. Manage Email Templates

Create email templates for select groups of people using MIRA database. 34 email templates of previous years are already there and can be used as a starting point to modify from. Task 2.11 below can use these email templates. There is a “Show Tag” button to display recognized tags and a “Preview” button for you to see the email the recipient would see.



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Name:
Format:
CC:
BCC:
Subject:
Body:

Email Templates

StudentPaperFinalistAccepted

AutoSend Enabled: ☐

- ☒ Email Contains Message
☐ Email Contains Link To Message

2017 IUS Student Paper Competition Finalist

%%CurrentDate%%

Dear %%UserFirstName%% %%UserLastName%%,

Congratulations on a significant achievement.

Your abstract ID# %%SubmissionNumber%%, %%SubmissionTitle%% has been accepted and was selected as one of the finalists in the Student Paper Competition.

As part of the competition, you will need to present and defend your work on the first day of the conference during the Student Paper Competition poster session at the Omni Shoreham Hotel, Washington, D.C., USA, on Thursday, September 7, from 9:30am to 10:30am and also from 3:00pm to 4:00pm. Judges will review your work sometime during these two sessions. You are required to setup your poster display on Thursday morning between 7:30am and 8:00am. Poster boards will be 8 feet (2.4m) wide and 4 feet (1.2m) high. Check the

Current Attachments:

[No Attachments](#) [Remove Attachment](#)

Add Attachment:

Select a file to add it to this email

Or browse for a file:

[Browse...](#) No file selected.

[Save](#) [Show Tags](#) [Preview](#) [General Chair and TPC Chair Home](#)

2.8. Review Email Logs

Search for emails that General Chair and TPC Chair have sent.



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Review Email Logs

You can search by the ID number or email address of the person that sent the email

Sender's ID:

Sender's Email:

Or search for emails sent to a particular address

Receiver's Email:

[Search](#)

[Cancel](#)

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Or search for emails sent to a particular address

Sender's ID:

Receiver's Email:

Sender's Email:

[Search](#)

[Cancel](#)

[General Chair and TPC Chair Home](#)

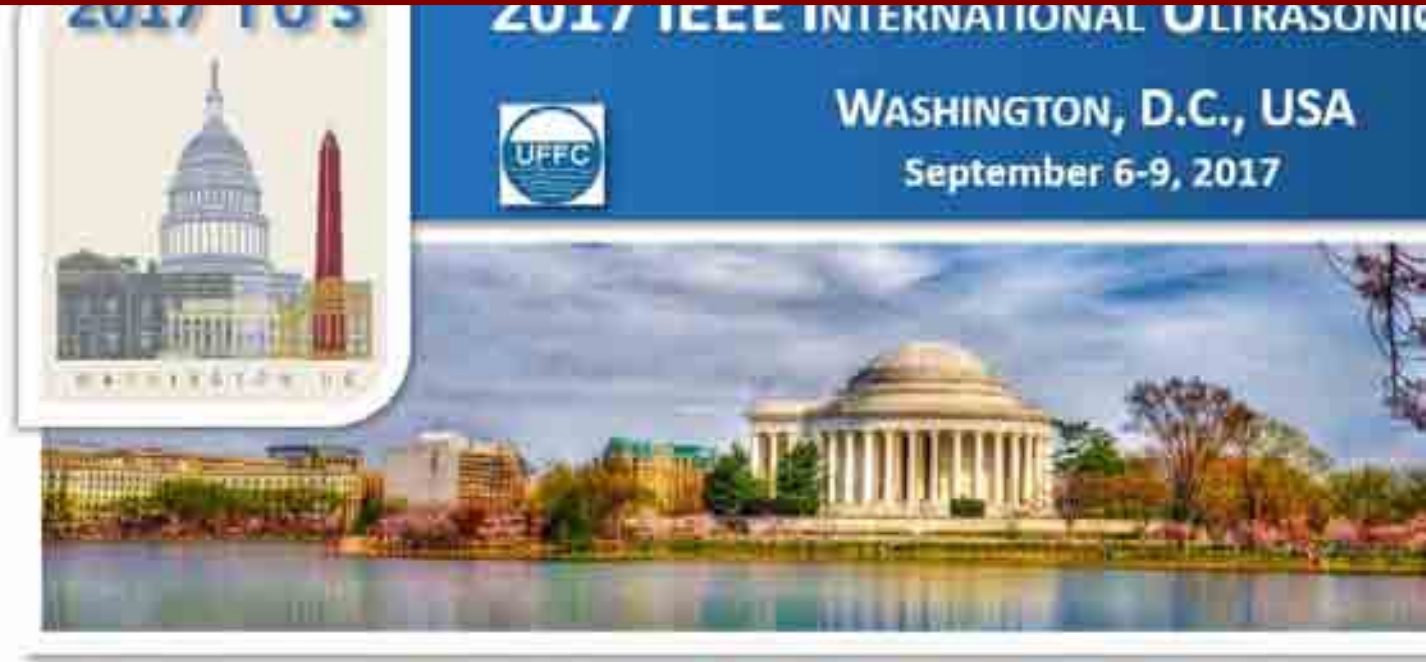
Resend	Email To	Email CC	Email From	Email Subject	Email Body	Email UserID	Date Sent	Date Viewed
Resend	jilu@eng.utoledo.edu		IUS2017@mirasmart.com	Login Information - 2017 IEEE IUS Abstract Submission	Dear Jian-yu Lu, Thank you for registering to the 2017 IEEE IUS Abstract Submission system. Your password for the 2017 IEEE IUS Abstract Submission website is: Login Name: xxxx Password: xxxxxxxx IMPORTANT: Make note of your password, and keep it on file for future access to your 2017 IEEE IUS Abstract Submission account. To get back to your 2017 IEEE IUS Abstract Submission account and view the log of all emails sent to you, you will need to go to http://submissions.mirasmart.com/IUS2017/. 2017 IEEE IUS Abstract Submission Online Support Email Address: IUS2017@mirasmart.com	1252	4/1/2017 9:36:22 PM	
Resend	jilu@eng.utoledo.edu		IUS2017@mirasmart.com	Submission Confirmation - Abstract ID: 1519 - 2017 IEEE International Ultrasonics Symposium	Dear Jian-yu Lu Congratulations on the successful submission of your Abstract to the 2017 IEEE IUS Abstract Submission. For your records, please print a copy of this email. Abstract ID: 1519 Login Name: jilu Abstract Title: 'Speckle Noise Reduction for High-Frame-Rate Imaging Methods' Abstract Group: Group 1: Medical Ultrasonics Please use the Abstract ID in all communications about your Abstract. To get back to your 2017 IEEE IUS Abstract Submission account and view the log of all emails sent to you, you will need to go to http://submissions.mirasmart.com/IUS2017/. 2017 IEEE IUS Abstract Submission Online Support Email Address: IUS2017@mirasmart.com This email is being automatically sent to you from the 2017 IEEE IUS Abstract Submission.	1252	4/2/2017 2:00:33 AM	
Resend	jilu@eng.utoledo.edu		IUS2017@mirasmart.com	Submission Confirmation - Abstract ID: 1519 - 2017 IEEE International Ultrasonics Symposium	Dear Jian-yu Lu Congratulations on the successful submission of your Abstract to the 2017 IEEE IUS Abstract Submission. For your records, please print a copy of this email. Abstract ID: 1519 Login Name: jilu Abstract Title: 'Speckle Noise Reduction for High-Frame-Rate Imaging' Abstract Group: Group 1: Medical Ultrasonics Please use the Abstract ID in all communications about your Abstract. To get back to your 2017 IEEE IUS Abstract Submission account and view the log of all emails sent to you, you will need to go to http://submissions.mirasmart.com/IUS2017/. 2017 IEEE IUS Abstract Submission Online Support Email Address: IUS2017@mirasmart.com This email is being automatically sent to you from the 2017 IEEE IUS Abstract Submission.	1252	4/2/2017 2:08:27 AM	

jilu@eng.utoledo.edu	IUS2017@mirasmart.com	Review of Abstracts - 2017 IEEE International Ultrasonics Symposium Review Deadline	Apr 7 2017 12:08PM Dear Jian-yu Lu, Thank you very much for agreeing to review the Abstracts in the following linked site for the 2017 IEEE International Ultrasonics Symposium. Please go to http://submissions.mirasmart.com/IUS2017/ and login to perform the review(s). Login Name: xdfc7tga Password: rp932zqt Please complete your review before the deadline, April 27, 2017. After the deadline, the reviewer site will be closed for the symposium program development. The Online Support Email Address: IUS2017@mirasmart.com The Support Phone #: 866-341-9589 (between the hours of 8:00 am and 5:00 pm, CST) Thank you very much again for your help to review the Abstracts for the Symposium. Sincerely, Yours, Technical Program Committee 2017 IEEE International Ultrasonics Symposium	306	4/7/2017 12:08:20 PM
Resend					
jilu@eng.utoledo.edu	IUS2017@mirasmart.com	Accepted as Oral Presentation - Abstract ID: 1519 - 2017 IEEE International Ultrasonics Symposium	Jun 6 2017 1:55PM Re: Abstract ID: 1519 Abstract Title: Speckle Noise Reduction for High-Frame-Rate Imaging Dear Jian-yu Lu: We are pleased to inform you that the above referenced abstract has been accepted for Oral presentation during the 2017 IEEE International Ultrasonics Symposium (IUS). The symposium will be held on September 6-9, 2017 at the Omni Shoreham Hotel, Washington DC, USA. Your presentation has been scheduled as follows (including time for questions and answers) from 01:30 pm to 01:45 pm in a session titled: - MIM: Improving image quality and analysis, which is from 01:30 pm to 03:00 pm on Saturday, September 9, 2017. As the presenter of this paper, you are the only person receiving this information. Please notify any co-authors of the acceptance of the Abstract. If an unexpected emergency prevents you from attending in person, it is understood that you will arrange for an alternate presenter in order to keep the session complete. Please visit the symposium web site at http://ewh.ieee.org/conf/ius/2017/ for further instructions and details regarding the preparation of your presentation, conference registration, and other general symposium information. You are also requested to submit a Proceedings paper to the 2017 IEEE IUS through the symposium website, where there will be detailed instructions regarding the preparation of your paper, including the preparations of multimedia materials for your paper if there are any. Please note that all submissions will be checked by means of CrossRef (http://www.ieee.org/publications_standards/publications/rights/crosscheckmain.html) to prevent plagiarism. IMPORTANT: The deadline for the paper submission is August 23, 2017, 23:59 PST. This decision has been made to make the submitted papers available on-line during the symposium and to complete the publication of the Symposium Proceedings in a timely manner. Because the Conference Proceedings are a record of the conference papers that are actually presented, you yourself or someone that you designate must present and defend the paper during the conference in order to have your paper included (published) in the proceedings. We also request that you inform us if you wish to have your presentation recorded. To do this please go to the website http://submissions.mirasmart.com/IUS2017/ and use the following login and password: Login Name: xxxx Password: xxxxxxxxx Please click on the "Click here to complete consent form" link located under the Consent to Record column. Please indicate if you do or do not give consent to have your presentation recorded and click on the Submit button. [IMPORTANT]: If you have any concerns on the intellectual property rights, resolve these concerns prior to the submission deadline. If you need a Visa to enter the USA, we will be happy to provide you a personal letter of invitation (for additional information visit http://ewh.ieee.org/conf/ius/2017/assistance.php) to attend the 2017 IEEE International Ultrasonics Symposium. This email can also be viewed when you are logged in your account at the IUS abstract submission website and is thus accessible using your login name and password you used when you submitted your abstract. We look forward to seeing you in Washington, D.C. Sincerely, Keith Wear, General Chair 2017 IEEE International Ultrasonics Symposium - Washington, D.C., USA	1252	6/6/2017 1:55:40 PM
Resend					

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2.9. Assign Group Chair to Group

Assign Group Chairs to 5 Groups. This needs to be done before the abstract review process. General Chair and TPC Chair can assign themselves to all Groups to see what Group Chairs would be able to do in the Group Chair menu.



Welcome: Jian-yu Lu

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Author MenuReviewer MenuGroup Chair MenuGeneral Chair and TPC Chair Menu

Manage Group Chair List

2017 IEEE IUS September 6-9, 2017 Washington, D.C., USA	Group	Group Chair		Action
<div>Please click here to return to the IUS 2017 website</div> <div>The abstract submission deadline is April 1, 2017 11:59pm (PDT).</div> <div>CrossCheck IEEE takes the protection of intellectual property seriously. Accordingly, all submissions will be screened for plagiarism using CrossCheck. By submitting your work you agree to allow IEEE to screen your work. For more information click here:</div>	Group 1: Medical Ultrasonics	Georg Schmitz Lori Bridal Jian-yu Lu Alfred Yu	Mira Admin Add	Remove Georg Schmitz Remove Lori Bridal Remove Jian-yu Lu Remove Alfred Yu
	Group 2: Sensors, NDE & Industrial Applications	Georg Schmitz Erdal Oruklu Jian-yu Lu	Mira Admin Add	Remove Georg Schmitz Remove Erdal Oruklu Remove Jian-yu Lu
	Group 3: Physical Acoustics	Georg Schmitz Koen van Dongen Jian-yu Lu	Mira Admin Add	Remove Georg Schmitz Remove Koen van Dongen Remove Jian-yu Lu
	Group 4: Microacoustics – SAW, FBAR, MEMS	Georg Schmitz Karl Wagner Jian-yu Lu	Mira Admin Add	Remove Georg Schmitz Remove Karl Wagner Remove Jian-yu Lu
	Group 5: Transducers & Transducer Materials	Georg Schmitz Sandy Cochran Jian-yu Lu Omer Oralkan	Mira Admin Add	Remove Georg Schmitz Remove Sandy Cochran Remove Jian-yu Lu Remove Omer Oralkan
<div>Manage Group Chair ListManage GroupGeneral Chair and TPC Chair Home</div>				

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2.10. ProgramSMART:

After abstracts are reviewed and decisions are made, this task arranges the accepted abstracts into sessions of the conference program. There are sub-menus in this menu. The sub-menus are explained separately below. This task is the same as “Program Smart Scheduling” in the Group Chair menu.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

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ProgramSmarHome

2017 IEEE IUS
September 6-9,
2017
Washington, D.C.,
USA

- * [Events At a Glance](#)
- * [Manage Event List](#)
- * [Assign Submissions To Events](#)
- * [View Author Conflicts](#)
- * [Program Smart Errata](#)
- * [View Session Chair Invitation Report](#)
- * [View Program Book Report](#)

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Events At a Glance:

Overview sessions (events) of each day in a single page.

Manage Event List:

Manage sessions (events) of the entire conference (three days) in a single page.

Assign Submissions To Events:

Batch assign abstracts indicated by IDs (use "Search") into each session (event).

View Author Conflicts:

Display any author conflicts.

2.10.a. Event at a Glance

Arrange and view technical program in green visual blocks. This includes the following operations:

- (i) Create a new event.
- (ii) Event list.
- (iii) Assign submissions.
- (iv) Configure the view of events.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

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Events At A Glance

New Event	of type	Please Select an Event Type	Event List	Assign Submissions	View All Dates configure			
Thursday, September 7, 2017	Regency Ballroom	Ambassador Ballroom	Palladian Room	Diplomat Room	Blue Room	Hampton Room	Empire Room	Exhibit Hall
07:00								
07:30								
08:00								
08:30								
09:00								
09:30								P1-A01 - MBB: Non-linear and coherence imaging (NP: 9 NA: 9 NS: 9) P1-A10 - MTC: Instrumentation and processing methods for tissue characterization (NP: 8 NA: 8 NS: 8) P1-A11 - MTH: Cavitation, Histotripsy, Microbubbles (NP: 8 NA: 8 NS: 8) P1-A02 - MBF: Multi-Directional and Multi-Plane Flow Imaging (NP: 8 NA: 8 NS: 8) P1-A03 - MCA: Microbubbles and therapy (NP: 8 NA: 8 NS: 8) P1-A04 - MEL: Cardiovascular Elastography (NP: 17 NA: 17 NS: 17) P1-A05 - MIM: Ultrasound motion/deformation estimation (NP: 6 NA: 6 NS: 6) P1-A06 - MIM: Medical Imaging (NP: 8 NA: 8 NS: 8) P1-A07 - MPA: Applications of Photoacoustics (NP: 9 NA: 9 NS: 9)
10:00								
10:30								
11:00		2A - MBB: Coherence and adaptive beamforming (NP: 5 NA: 5 NS: 5, 1 Invited)	3A - MTH: Histotripsy, Lithotripsy, Thrombotripsy (NP: 6 NA: 6 NS: 6, 0 Invited)	4A - MBF: 3D Flow Imaging (NP: 6 NA: 6 NS: 6, 0 Invited)	5A - Transducers (NP: 5 NA: 5 NS: 5, 1 Invited)	6A - PNL: Nonlinear Acoustics (NP: 5 NA: 5 NS: 5, 1 Invited)	7A - Ultrasound Imaging I (NP: 6 NA: 6 NS: 6, 0 Invited)	
11:30								

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Events At A Glance:

To move a session (event) please click on the green space of the session. Once the session starts to blink, please click on a new time slot to move the session to the new slot. If there is any time conflict among sessions (events), the sessions will be displayed red, instead of green.

To show the detail of a session (event), please click on the label of the session within the green box. When the page is shown, one could change the session title, number of presentations in a session, time slot of each presentation, enter session chair name, and chair affiliations, etc.

The meaning of the abbreviations displayed in the Green session (event) box is as follows:

- **"NP"** - The total Number of Presentations to be scheduled in a session (event) (this is the number entered at "Manage Events"), for example, "(NP: 6)".

- **"NA"** - Number of abstracts assigned to a session (event) through "Assign Submissions To Events" link, for example, "(NA: 9)".

- **"NS"** - The Number of Presentations actually scheduled, for example, "(NS: 5, 1 invited)", which means total 5 presentations and one of them is invited talk.

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								<p><u>P1-A08 - MSD: Novel medical devices</u> (NP: 8 NA: 8 NS: 8)</p> <p><u>P1-A09 - MSP: Optimizing Imaging Performance</u> (NP: 13 NA: 13 NS: 13)</p> <p><u>PA - Student Poster Competition</u> (NP: 18 NA: 18 NS: 18, 0 Invited)</p> <p><u>P3-A3 - PNL - Nonlinear Ultrasound</u> (NP: 5 NA: 5 NS: 5)</p> <p><u>P3-A1 - POA - Opto-Acoustics</u> (NP: 3 NA: 3 NS: 3)</p> <p><u>P3-A2 - PPN - Phononics</u> (NP: 4 NA: 4 NS: 4)</p> <p><u>P3-A5 - PTF - Thin Films</u> (NP: 2 NA: 2 NS: 2)</p> <p><u>P3-A4 - PUM - Ultrasonic Motors and High Intensity Applications</u> (NP: 1 NA: 1 NS: 1)</p> <p><u>P2A1 - Imaging</u> (NP: 5 NA: 5 NS: 5)</p> <p><u>P2A2 - Sensors</u> (NP: 5 NA: 5 NS: 5)</p> <p><u>P2A3 - NDE</u> (NP: 8 NA: 8 NS: 8)</p> <p><u>P4-A1 - Simulation of Microacoustic Devices and Effects</u> (NP: 6 NA: 6 NS: 6)</p> <p><u>P4-A2 - Experimental Characterization Methods for Microacoustics</u> (NP: 5 NA: 5 NS: 5)</p> <p><u>P2A4 - Flow Measurement</u> (NP: 3 NA: 3 NS: 3)</p>
12:00								
12:30								
13:00								
13:30	<u>1B - Clinical Clinical Ultrasound</u> (NP: 4 NA: 4 NS: 4, 4 Invited)	<u>2B - MSP: Improving Resolution and Detection</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>3B - MTH: Cavitation</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>4B - MPA: Endoscopic/ Intravascular Photoacoustic Imaging and New Approaches</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>5B - Imaging and Photoacoustics</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>6B - Materials for Microacoustics</u> (NP: 5 NA: 5 NS: 5, 1 Invited)	<u>7B - High-frequency Imaging</u> (NP: 5 NA: 5 NS: 5, 1 Invited)	<p><u>P5-A3 - Transducer Optimization</u> (NP: 5 NA: 5 NS: 5)</p> <p><u>P5-A1 - Imaging Transducers</u> (NP: 7 NA: 7 NS: 7)</p>
14:00								
14:30								
15:00								
15:30								
16:00	<u>1C - MTH: HIFU and Ablation</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>2C - MBB: Novel Imaging methods</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>3C - MCA: Microbubbles localization microscopy 1</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>4C - MTC: Staging and monitoring of diseases and tissue physiology</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>5C - Material and Defect Characterization</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>6C - POA - Opto-Acoustics</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	<u>7C - Innovative Applications of Microacoustic Components</u> (NP: 6 NA: 6 NS: 6, 0 Invited)	
16:30								
17:00								
17:30								
18:00								
18:30								

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2.10.b. Manage Event List

Display sessions above in a list view. It has buttons for the following:

- (i) Create New Sessions.
- (ii) View Unscheduled Submissions.
- (iii) Show Author Conflicts.
- (iv) Show Author and Chair Conflicts

[In “Proceedings Paper Submission” mode, the display results in (ii) show nothing.]



Author Menu Reviewer Menu Group Chair Menu General Chair and TPC Chair Menu

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Manage Events

2017 IEEE IUS
September 6-9,
2017
Washington, D.C.,
USA

[At A Glance](#)

[Create New Session](#)

[Please Select an Event Type](#)

[View Unscheduled Submissions](#)

[Show Author Conflicts](#)

[Show Author and Chair Conflicts](#)

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This page is to arrange abstracts into desired time slots and then fine tune each individual session (event) (modifying the abstract labels, changing starting and ending time of each presentation, and so on).

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Order	Session ID	Title	Type	Track	Room	Chair	Chair Affiliation	Day	Start Time	End Time	Action
↓	1A	MEL: Cardiac Elasticity Imaging	Oral	Group 1: Medical Ultrasonics	Exhibit Hall	Emad Ebbini	Univ. of Minnesota	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
↑ ↓	1B	Clinical: Clinical Ultrasound	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Keith Wear	U.S. Food and Drug Administration	Thursday, September 7, 2017	13:30	15:00	Edit Batch Assign
↑ ↓	1C	MTH: HIFU and Ablation	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Kullervo Hynynen	University of Toronto	Thursday, September 7, 2017	16:00	17:30	Edit Batch Assign
↑ ↓	1D	MIM: Brain and acoustoelectric imaging	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Mickael Tanter	INSERM	Friday, September 8, 2017	08:00	09:30	Edit Batch Assign
↑ ↓	1E	MBF: Cerebrovascular and Microvascular Imaging	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Matthew Bruce	University of Washington	Friday, September 8, 2017	10:30	12:00	Edit Batch Assign
↑ ↓	1F	MTH: Brain	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Jean-Yves Chapelon	INSERM	Friday, September 8, 2017	13:30	15:00	Edit Batch Assign
↑ ↓	1G	MTH: Blood-Brain-Barrier	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Charles Cain	Univ of Michigan	Friday, September 8, 2017	16:00	17:30	Edit Batch Assign
↑ ↓	1H	MBE: Cell Dynamics, Microbubbles, and Sonoporation	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Alfred Yu	University of Waterloo	Saturday, September 9, 2017	08:00	09:30	Edit Batch Assign
↑ ↓	1K	MTH: Ultrasound Mediated Delivery	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Elisa Konofagou	Columbia University	Saturday, September 9, 2017	16:00	17:30	Edit Batch Assign
↑ ↓	1J	MBE: Neuromodulation and Cell Stimulation	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Nobuki Kudo	Hokkaido University	Saturday, September 9, 2017	13:30	15:00	Edit Batch Assign
↑ ↓	1I	MTH: Therapeutic Ultrasound Applications	Oral	Group 1: Medical Ultrasonics	Regency Ballroom	Ralf Seip	Sonacare Medical	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
↑ ↓	2A	MBB: Coherence and adaptive beamforming	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Hideyuki Hasegawa	University of Toyama	Thursday, September 7, 2017	10:30	12:00	Edit Batch Assign
↑ ↓	2B	MSP: Improving Resolution and Detection	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Adrian Basarab	University of Toulouse, Université Paul Sabatier	Thursday, September 7, 2017	13:30	15:00	Edit Batch Assign
↑ ↓	2C	MBB: Novel imaging methods	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Andreas Austeng	University of Oslo	Thursday, September 7, 2017	16:00	17:30	Edit Batch Assign
↑ ↓	2D	MSD: Novel real-time implementations	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Kai Thomenius	Massachusetts Institute of Technology	Friday, September 8, 2017	08:00	09:30	Edit Batch Assign

 	2E	MSD: Towards real-time 3D imaging	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Steven Freear	Univ. of Leeds	Friday, September 8, 2017	10:30	12:00	Edit Batch Assign
 	2F	MIM: Fast cardiac imaging: methods and applications	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Jan Dhooge	University of Leuven	Friday, September 8, 2017	13:30	15:00	Edit Batch Assign
 	2G	MEL: Carotid Elastography	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Chris de Korte	Radboud University Medical Center Nijmegen	Friday, September 8, 2017	16:00	17:30	Edit Batch Assign
 	2H	MTC: Hard and ex vivo human tissue characterization	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Pascal Laugier	Sorbonne Universites	Saturday, September 9, 2017	08:00	09:30	Edit Batch Assign
 	2I	MIM: Machine learning for image reconstruction and interpretation	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Johan Bosch	Erasmus Medical Center	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
 	2J	MIM: Improving image quality and analysis	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Jeremy Dahl	Stanford University	Saturday, September 9, 2017	13:30	15:00	Edit Batch Assign
 	2K	MEL: Elastography in Clinical Application	Oral	Group 1: Medical Ultrasonics	Ambassador Ballroom	Caterina Gallippi	University of North Carolina	Saturday, September 9, 2017	16:00	17:30	Edit Batch Assign
 	3A	MTH: Histotripsy, Lithotripsy, Thrombotripsy	Oral	Group 1: Medical Ultrasonics	Palladian Room	Zhen Xu	University of Michigan	Thursday, September 7, 2017	10:30	12:00	Edit Batch Assign
 	3B	MTH: Cavitation	Oral	Group 1: Medical Ultrasonics	Palladian Room	Brian Fowlkes	Univ. of Michigan	Thursday, September 7, 2017	13:30	15:00	Edit Batch Assign
 	3C	MCA: Microbubbles localization microscopy 1	Oral	Group 1: Medical Ultrasonics	Palladian Room	Nico de Jong	Erasmus Medical Centre	Thursday, September 7, 2017	16:00	17:30	Edit Batch Assign
 	3D	MEL: New Elasticity Methods	Oral	Group 1: Medical Ultrasonics	Palladian Room	Damien Garcia	CREATIS	Friday, September 8, 2017	08:00	09:30	Edit Batch Assign
 	3E	MEL: Elasticity Based Tumor Detection	Oral	Group 1: Medical Ultrasonics	Palladian Room	Kathy Nightingale	Duke University	Friday, September 8, 2017	10:30	12:00	Edit Batch Assign
 	3F	MEL: Elastography in Anisotropic Tissue	Oral	Group 1: Medical Ultrasonics	Palladian Room	Matthew Urban	Mayo Clinic	Friday, September 8, 2017	13:30	15:00	Edit Batch Assign
 	3G	MTC: In vivo soft tissue characterization	Oral	Group 1: Medical Ultrasonics	Palladian Room	Roberto Lavarello	Pontificia Universidad Católica del Perú	Friday, September 8, 2017	16:00	17:30	Edit Batch Assign
 	3H	MIM: Super-resolution and contrast imaging	Oral	Group 1: Medical Ultrasonics	Palladian Room	Georg Schmitz	Ruhr-Universität Bochum	Saturday, September 9, 2017	08:00	09:30	Edit Batch Assign
 	3I	MCA: Contrast imaging: beamforming and signal processing	Oral	Group 1: Medical Ultrasonics	Palladian Room	Ayache Bouakaz	INSERM	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
 	3J	MCA: Contrast agents and therapy assessment	Oral	Group 1: Medical Ultrasonics	Palladian Room	Katherine Ferrara	UC Davis	Saturday, September 9, 2017	13:30	15:00	Edit Batch Assign
 	3K	MCA: Microbubbles localization microscopy 2	Oral	Group 1: Medical Ultrasonics	Palladian Room	Tomas Jansson	Lund University	Saturday, September 9, 2017	16:00	17:30	Edit Batch Assign
 	4A	MBF: 3D Flow Imaging	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Stefano Ricci	Florence University	Thursday, September 7, 2017	10:30	12:00	Edit Batch Assign
 	4B	MPA: Endoscopic / Intravascular Photoacoustic Imaging and New Approaches	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Stas Emelianov	Georgia Institute of Technology and Emory University School of Medicine	Thursday, September 7, 2017	13:30	15:00	Edit Batch Assign
 	4C	MTC: Staging and monitoring of diseases and tissue physiology	Oral	Group 1: Medical Ultrasonics	Diplomat Room	James Miller	Washington University	Thursday, September 7, 2017	16:00	17:30	Edit Batch Assign
 	4D	MPA: Photoacoustic reconstruction approaches and technical developments	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Pai Chi Li	National Taiwan University	Friday, September 8, 2017	08:00	09:30	Edit Batch Assign
 	4E	MPA: Clinical and Pre-Clinical models	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Michael Kolios	Ryerson University	Friday, September 8, 2017	10:30	12:00	Edit Batch Assign
 	4F	MPA: Molecular Imaging and Photoacoustic Contrast Agents	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Stuart Foster	Univ of Toronto	Friday, September 8, 2017	13:30	15:00	Edit Batch Assign
 	4G	MCA: New US contrast agents for imaging and therapy	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Paul Dayton	Univ. North Carolina/NCSU	Friday, September 8, 2017	16:00	17:30	Edit Batch Assign
 	4H	MBF: Methods in Flow Studies: Phantoms and	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Mathieu Pernot	INSERM	Saturday, September 9, 2017	08:00	09:30	Edit Batch Assign

		Algorithms									
 	4I	MBF: Vector Flow Imaging: Applications and Methods	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Jorgen Jensen	Technical University of Denmark	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
 	4J	MBB: Volumetric and Fourier domain approaches	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Pieter Kruizinga	Erasmus MC	Saturday, September 9, 2017	13:30	15:00	Edit Batch Assign
 	4K	MSP: Optimizing Imaging Performance	Oral	Group 1: Medical Ultrasonics	Diplomat Room	Michael Insana	University of Illinois at Urbana-Champaign	Saturday, September 9, 2017	16:00	17:30	Edit Batch Assign
 	5I	MEL: Cardiac Strain Imaging	Oral	Group 1: Medical Ultrasonics	Blue Room	Azra Alizad	Mayo Clinic	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
 	5J	MEL: Vascular Elastography	Oral	Group 1: Medical Ultrasonics	Blue Room	Marvin Doyley	University of Rochester	Saturday, September 9, 2017	13:30	15:00	Edit Batch Assign
 	5K	MIM: Medical Imaging	Oral	Group 1: Medical Ultrasonics	Blue Room	Roger Zemp	University of Alberta	Saturday, September 9, 2017	16:00	17:30	Edit Batch Assign
 	P1-A01	MBB: Non linear and coherence imaging	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	François Varray	Creatis	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A10	MTC: Instrumentation and processing methods for tissue characterization	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Lori Bridal	Laboratoire d'Imagerie Biomédicale	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A11	MTH: Cavitation, Histotripsy, Microbubbles	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Mingxi Wan	Xi'an Jiaotong University	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A02	MBF: Multi-Directional and Multi-Plane Flow Imaging	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Mengxing Tang	Imperial College London	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A03	MCA: Microbubbles and therapy	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Nico de Jong	Erasmus Medical Centre	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A04	MEL: Cardiovascular Elastography	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Pengfei Song	Mayo Clinic	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A05	MIM: Ultrasound motion/deformation estimation	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Richard Lopata	Eindhoven University of Technology	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A06	MIM: Medical Imaging	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Massimo Mischi	Eindhoven University of Technology	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A07	MPA: Applications of Photoacoustics	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Chulhong Kim	Pohang University of Science and Technology	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A08	MSD: Novel medical devices	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Enrico Boni	University of Florence	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-A09	MSP: Optimizing Imaging Performance	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Jianwen Luo	Tsinghua University	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P1-B01	MBB: 3D	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Matthias Bo Stuart	Technical University of Denmark	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B02	MBE: Biological Effects and Dosimetry	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Shin-ichiro Umemura	Tohoku University	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B03	MBF: Flow Estimation: Simulators, Phantoms, and Filtering Methods	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Shigao Chen	Mayo Clinic	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B04	MCA: Novel contrast agents	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Mark Bordon	University of Colorado	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B05	MEL: Emerging methods for elasticity imaging	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Muyinatu Lediju Bell	Johns Hopkins University	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B06	MIM: Contrast	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Kenneth Hoyt	University of Texas at Dallas	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B07	MIM: Experimental ultrasound systems and applications	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Marcin Lewandowski	Institute of Fundamental Technological Research	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B08	MPA: Technincal Developments in Photoacoustic Imaging	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Kang Kim	University of Pittsburgh	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B09	MSD: Novel medical systems	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Sevan Harput	Imperial College London	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign

 	P1-B10	MTC: Tumor characterization	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Aiguo Han	University of Illinois at Urbana-Champaign	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-B11	MTH: Therapy Guidance and Monitoring	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Chih-Kuang Yeh	University of Waterloo	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P1-C01	MBB: Synthetic aperture and multi-zones imaging	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Ling Tong	Supersonic Imagine	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C02	MBF: Flow Imaging: From 2D to 4D	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Jørgen Avdal	Norwegian University of Science and Technology	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C03	MCA: Microbubbles physics and imaging	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Emmanuel Cherin	Sunnybrook Research Institute	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C04	MCA: Contrast imaging: preclinical and clinical applications	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Jean-Michel Escoffre	Inserm U930 Imaging & Brain	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C05	MEL: Mechanical Parameter Estimation	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Mark Palmeri	Duke University	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C06	MEL: Elastography in Pre-Clinical and Clinical Application	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Gianmarco Pinton	University of North Carolina at Chapel Hill and North Carolina State University	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C07	MIM: Image reconstruction	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Marko Jakovljevic	Stanford University	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C08	MIM: Machine learning	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Olivier Bernard	CREATIS	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C09	MTC: Bone and Abdominal Organs	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Mami Matsukawa	Doshisha University	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C10	MTH: Ultrasound Mediated Delivery	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Michael Oelze	Univ. of Illinois	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P1-C11	MTH: Pre-Clinical Therapeutic Ultrasound	Poster	Group 1: Medical Ultrasonics	Exhibit Hall	Dave Goertz	Sunnybrook Research Institute	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	PA	Student Poster Competition	Student Paper Competition	Group 1: Medical Ultrasonics	Exhibit Hall			Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	5E	PAT - Acoustic Tweezers and Particle Manipulation	Oral	Group 3: Physical Acoustics	Blue Room	Koen van Dongen	Delft University of Technology	Friday, September 8, 2017	10:30	12:00	Edit Batch Assign
 	5G	PGP - General Physical Acoustics	Oral	Group 3: Physical Acoustics	Blue Room	Robert Thalhammer	Broadcom Ltd	Friday, September 8, 2017	16:00	17:30	Edit Batch Assign
 	6A	PNL - Nonlinear Acoustics	Oral	Group 3: Physical Acoustics	Hampton Room	Dave Feld	Broadcom Ltd	Thursday, September 7, 2017	10:30	12:00	Edit Batch Assign
 	6C	POA - Opto-Acoustics	Oral	Group 3: Physical Acoustics	Hampton Room	Vincent Laude	Université de Bourgogne Franche-Comté, CNRS	Thursday, September 7, 2017	16:00	17:30	Edit Batch Assign
 	6H	PPN - Phononics	Oral	Group 3: Physical Acoustics	Hampton Room	Alex Maznev	MIT	Saturday, September 9, 2017	08:00	09:30	Edit Batch Assign
 	7I	PTF - Thin Films	Oral	Group 3: Physical Acoustics	Empire Room	John Larson III	Broadcom Ltd	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
 	7K	PUM - Ultrasonic Motors and High Intensity Applications	Oral	Group 3: Physical Acoustics	Empire Room	Margaret Lucas	University of Glasgow	Saturday, September 9, 2017	16:00	17:30	Edit Batch Assign
 	P3-C1	PAT - Acoustic Tweezers and Particle Manipulation	Poster	Group 3: Physical Acoustics	Exhibit Hall	Amit Lal	Cornell University	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P3-B1	PGP - General Physical Acoustics	Poster	Group 3: Physical Acoustics	Exhibit Hall	Yook-Kong Yong	Rutgers University	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P3-A3	PNL - Nonlinear Ultrasound	Poster	Group 3: Physical Acoustics	Exhibit Hall	Andreas Mayer	HS Offenburg - Univ. of Applied Sciences, Gengenbach	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P3-A1	POA - Opto-Acoustics	Poster	Group 3: Physical Acoustics	Exhibit Hall	Sarah Benchabane	CNRS, Université de Bourgogne Franche-Comté	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P3-A2	PPN - Phononics	Poster	Group 3: Physical Acoustics	Exhibit Hall	Sarah Benchabane	CNRS, Université de Bourgogne Franche-Comté	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign

 	P3-A5	PTF - Thin Films	Poster	Group 3: Physical Acoustics	Exhibit Hall	Vincent Laude	Université de Bourgogne Franche-Comté, CNRS	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P3-A4	PUM - Ultrasonic Motors and High Intensity Applications	Poster	Group 3: Physical Acoustics	Exhibit Hall	Vincent Laude	Université de Bourgogne Franche-Comté, CNRS	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P4-B1	Nonlinear Signals and Effects in Microacoustics	Poster	Group 4: Microacoustics – SAW, FBAR, MEMS	Exhibit Hall	Ventsislav Yantchev	Chalmers University	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	6B	Materials for Microacoustics	Oral	Group 4: Microacoustics – SAW, FBAR, MEMS	Hampton Room	Rich Ruby	Wireless Semiconductor Division	Thursday, September 7, 2017	13:30	15:00	Edit Batch Assign
 	7C	Innovative Applications of Microacoustic Components	Oral	Group 4: Microacoustics – SAW, FBAR, MEMS	Empire Room	Shuji Tanaka	Tohoku University	Thursday, September 7, 2017	16:00	17:30	Edit Batch Assign
 	7J	Microacoustic Sensor and Lamb Wave Devices	Oral	Group 4: Microacoustics – SAW, FBAR, MEMS	Empire Room	Mauricio Pereira da Cunha	University Maine	Saturday, September 9, 2017	13:30	15:00	Edit Batch Assign
 	5F	Optimization of Quality Factor of Acoustic Resonators	Oral	Group 4: Microacoustics – SAW, FBAR, MEMS	Blue Room	Marc Solal	Qorvo	Friday, September 8, 2017	13:30	15:00	Edit Batch Assign
 	7H	Microacoustic Device Design	Oral	Group 4: Microacoustics – SAW, FBAR, MEMS	Empire Room	Jan Kuypers	Qorvo	Saturday, September 9, 2017	08:00	09:30	Edit Batch Assign
 	5D	Acoustic Nonlinearity	Oral	Group 4: Microacoustics – SAW, FBAR, MEMS	Blue Room	Ken-ya Hashimoto	Chiba University	Friday, September 8, 2017	08:00	09:30	Edit Batch Assign
 	5A	Transducers	Oral	Group 2: Sensors, NDE & Industrial Applications	Blue Room	Mario Kupnik	Technische Universität Darmstadt	Thursday, September 7, 2017	10:30	12:00	Edit Batch Assign
 	5B	Imaging and Photoacoustics	Oral	Group 2: Sensors, NDE & Industrial Applications	Blue Room	Jafar Saniie	Illinois Institute of Technology	Thursday, September 7, 2017	13:30	15:00	Edit Batch Assign
 	5C	Material and Defect Characterization	Oral	Group 2: Sensors, NDE & Industrial Applications	Blue Room	James Blackshire	Air Force Research Laboratory	Thursday, September 7, 2017	16:00	17:30	Edit Batch Assign
 	6D	Microfluidics	Oral	Group 2: Sensors, NDE & Industrial Applications	Hampton Room	James Friend	University of California, San Diego	Friday, September 8, 2017	08:00	09:30	Edit Batch Assign
 	6E	Sensors	Oral	Group 2: Sensors, NDE & Industrial Applications	Hampton Room	David Greve	Carnegie Mellon University	Friday, September 8, 2017	10:30	12:00	Edit Batch Assign
 	6F	NDE and Industrial Applications	Oral	Group 2: Sensors, NDE & Industrial Applications	Hampton Room	Lawrence Kessler	Sonoscan Inc.	Friday, September 8, 2017	13:30	15:00	Edit Batch Assign
 	6G	Signal Processing	Oral	Group 2: Sensors, NDE & Industrial Applications	Hampton Room	Erdal Oruklu	Illinois Institute of Technology	Friday, September 8, 2017	16:00	17:30	Edit Batch Assign
 	5H	Flow Measurement and Wave Propagation	Oral	Group 2: Sensors, NDE & Industrial Applications	Blue Room	Nishal Ramadas	Honeywell	Saturday, September 9, 2017	08:00	09:30	Edit Batch Assign
 	P2A1	Imaging	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	Joel Harley	University of Utah	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P2A2	Sensors	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	David Greve	Carnegie Mellon University	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P2A3	NDE	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	Jafar Saniie	Illinois Institute of Technology	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P2B1	Signal Processing	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	Erdal Oruklu	Illinois Institute of Technology	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P4-A1	Simulation of Microacoustic Devices and Effects	Poster	Group 4: Microacoustics – SAW, FBAR, MEMS	Exhibit Hall	Maximilian Pitschi	RF360 Europe GmbH	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P2B2	Material and Defect Characterization	Poster	Group 2: Sensors, NDE & Industrial	Exhibit Hall	Patrick Johnston	NASA Langley Research Center	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign

				Applications							
 	P4-A2	Experimental Characterization Methods for Microacoustics	Poster	Group 4: Microacoustics – SAW, FBAR, MEMS	Exhibit Hall	Amelie Hagelauer	University Erlangen-Nuernberg	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P2B3	Underwater Acoustics	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	Jafar Saniie	Illinois Institute of Technology	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P4-B2	Contour Mode Resonators and other MEMS	Poster	Group 4: Microacoustics – SAW, FBAR, MEMS	Exhibit Hall	Omar ELMAZRIA	Université de Lorraine	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P2C1	Structural Health Monitoring	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	Robert Addison	Rockwell Science Center	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P2A4	Flow Measurement	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	Mario Kupnik	Technische Universität Darmstadt	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	7A	Ultrasound Imaging I	Oral	Group 5: Transducers & Transducer Materials	Empire Room	Xiaoning Jiang	North Carolina State University	Thursday, September 7, 2017	10:30	12:00	Edit Batch Assign
 	7F	Ultrasound Electronics	Oral	Group 5: Transducers & Transducer Materials	Empire Room	David Cowell	University of Leeds	Friday, September 8, 2017	13:30	15:00	Edit Batch Assign
 	7E	CMUT Technology	Oral	Group 5: Transducers & Transducer Materials	Empire Room	Tomas Gomez	CSIC, Madrid	Friday, September 8, 2017	10:30	12:00	Edit Batch Assign
 	P4-B3	Microacoustic Sensors and Gyroscopes	Poster	Group 4: Microacoustics – SAW, FBAR, MEMS	Exhibit Hall	Jidong Dai	Murata Americas	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P2C2	Transducers and Industrial Measurements	Poster	Group 2: Sensors, NDE & Industrial Applications	Exhibit Hall	Lawrence Kessler	Sonoscan Inc.	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	7B	High-frequency Imaging	Oral	Group 5: Transducers & Transducer Materials	Empire Room	Marc Lethiecq	University of Tours	Thursday, September 7, 2017	13:30	15:00	Edit Batch Assign
 	6I	Advanced Materials and Techniques	Oral	Group 5: Transducers & Transducer Materials	Hampton Room	Sandy Cochran	University of Glasgow	Saturday, September 9, 2017	10:30	12:00	Edit Batch Assign
 	P4-C1	Design of Thin Film and Lamb Wave Devices	Poster	Group 4: Microacoustics – SAW, FBAR, MEMS	Exhibit Hall	Paul Bradley	Broadcom	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	6J	Ultrasound Imaging II	Oral	Group 5: Transducers & Transducer Materials	Hampton Room	Charles Emery	Ulthera Inc.	Saturday, September 9, 2017	13:30	15:00	Edit Batch Assign
 	6K	Novel Techniques and Applications	Oral	Group 5: Transducers & Transducer Materials	Hampton Room	Scott Smith	GE Global Research	Saturday, September 9, 2017	16:00	17:30	Edit Batch Assign
 	P4-C2	Microacoustic Devices and System Applications	Poster	Group 4: Microacoustics – SAW, FBAR, MEMS	Exhibit Hall	Karl Wagner	RF360 Europe GmbH	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P5-A2	Front End and Integrated Devices	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	doug wildes	GE Global Research	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P5-A3	Transducer Optimization	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	Anne-Christine Hladky	IEMN	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign
 	P5-B1	High-frequency Transducers	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	Jeremy Brown	Dalhousie University	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P5-B2	MUT Manufacturing	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	Omer Oralkan	North Carolina State University	Friday, September 8, 2017	09:30	16:00	Edit Batch Assign
 	P5-C1	MUT Measurement and Modelling	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	Yongrae Roh	Kyungpook National University	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
 	P5-C2	Therapeutic Devices and Systems	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	Qifa Zhou	University of Southern California	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign

	P5-C3	Transducer Materials	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	Shujun Zhang	University of Wollongong	Saturday, September 9, 2017	09:30	16:00	Edit Batch Assign
	7G	Devices for Therapeutic Ultrasound	Oral	Group 5: Transducers & Transducer Materials	Empire Room	Paul Reynolds	Siemens Healthcare	Friday, September 8, 2017	16:00	17:30	Edit Batch Assign
	7D	Medical Ultrasound Devices and Applications	Oral	Group 5: Transducers & Transducer Materials	Empire Room	Christine Demore	Sunnybrook Research Institute	Friday, September 8, 2017	08:00	09:30	Edit Batch Assign
	P5-A1	Imaging Transducers	Poster	Group 5: Transducers & Transducer Materials	Exhibit Hall	Lynn Ewart	NUWC	Thursday, September 7, 2017	09:30	16:00	Edit Batch Assign

Warning! The following events have conflicts:

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MBB: Synthetic aperture and multi-zones imaging' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MBF: Flow Imaging: From 2D to 4D' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MCA: Microbubbles physics and imaging' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MCA: Contrast imaging: preclinical and clinical applications' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MEL: Mechanical Parameter Estimation' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MEL: Elastography in Pre-Clinical and Clinical Application' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MIM: Image reconstruction' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MIM: Machine learning' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MTC: Bone and Abdominal Organs' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MTH: Ultrasound Mediated Delivery' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MTH: Pre-Clinical Therapeutic Ultrasound' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'PAT - Acoustic Tweezers and Particle Manipulation' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'Structural Health Monitoring' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'Transducers and Industrial Measurements' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'Design of Thin Film and Lamb Wave Devices' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'Microacoustic Devices and System Applications' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'MUT Measurement and Modelling' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'Therapeutic Devices and Systems' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'MEL: Cardiac Elasticity Imaging' at **10:30 AM - 12:00 PM** from UNKNOWN Group *with*
'Transducer Materials' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'PNL - Nonlinear Ultrasound' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'POA - Opto-Acoustics' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'PPN - Phononics' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'PTF - Thin Films' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'PUM - Ultrasonic Motors and High Intensity Applications' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Imaging' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Sensors' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'NDE' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Simulation of Microacoustic Devices and Effects' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Experimental Characterization Methods for Microacoustics' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Flow Measurement' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Front End and Integrated Devices' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Transducer Optimization' at **9:30 AM - 4:00 PM** from UNKNOWN Group

'Student Poster Competition' at **9:30 AM - 4:00 PM** from UNKNOWN Group *with*
'Imaging Transducers' at **9:30 AM - 4:00 PM** from UNKNOWN Group

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SbmID	Author	Session Number	Start - End	Chair	Session Number	Start - End
280	He Li	6K	4:00 PM - 5:30 PM	Caterina Gallippi	2K	4:00 PM - 5:30 PM
208	Alessandro Ramalli	2D	8:00 AM - 9:30 AM	Pai Chi Li	4D	8:00 AM - 9:30 AM
515	Zhengrong Lin	2D	8:00 AM - 9:30 AM	Pai Chi Li	4D	8:00 AM - 9:30 AM
896	Rachael McPhillips	7D	8:00 AM - 9:30 AM	Pai Chi Li	4D	8:00 AM - 9:30 AM
1109	Ivan Pelivanov	3D	8:00 AM - 9:30 AM	Pai Chi Li	4D	8:00 AM - 9:30 AM
421	fei li	5E	10:30 AM - 12:00 PM	Michael Kolios	4E	10:30 AM - 12:00 PM
324	Jeong Na	5C	4:00 PM - 5:30 PM	Shuji Tanaka	7C	4:00 PM - 5:30 PM

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Unscheduled Abstracts Program Report

Unscheduled Abstracts

All Accepted Abstracts have been Assigned to Session

ID	Title	Track	Session	Presentation Preference	Status
----	-------	-------	---------	-------------------------	--------

Close

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2.10.c. Assign Submissions to Events

Batch assign accepted abstracts to each session. Also, session chairs can be specified.

[In "Proceedings Paper Submission" mode, this task displays no results.]

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Assign Abstracts to Session

Select a Session for assigning Abstracts.

Select a Session below

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Assign Abstracts to a Session (Event)

Please type in abstract IDs (for accepted abstracts only) such as "6, 7, 9, 18, 19, 20" in the "ID" field. Then, use the pull-down menu by each abstract to assign the abstract into a desired session. Click "Save" when all abstracts have been assigned.

After the assignments, the assigned abstracts will be available to be placed into time slots within the session. This can be accomplished by "Manage Events" that can be easily accessed via the "Events At a Glance" page.

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2.10.d. View Authors Conflicts

The same as “Show Author Conflicts” in 2.10.b above.



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1st SbmID	1st Author	1st Session Number	1st Start - End	2nd SbmID	2nd Author	2nd Session Number	2nd Start - End
926	David Melodelima	1C	4:00 PM - 4:15 PM	937	David Melodelima	1C	5:15 PM - 5:30 PM
190	Marc Gesnik	1E	11:30 AM - 11:45 AM	506	Marc Gesnik	1E	10:30 AM - 10:45 AM
626	Matthieu Gerstenmayer	1F	1:45 PM - 2:00 PM	688	Matthieu Gerstenmayer	1F	2:45 PM - 3:00 PM
545	Shengtao Lin	4F	2:30 PM - 2:45 PM	889	Guofeng Li	1F	2:15 PM - 2:30 PM
229	Yang Han	2H	8:45 AM - 9:00 AM	972	Sri Nivas Chandrasekaran	1H	9:00 AM - 9:15 AM
248	Qiong He	4H	8:30 AM - 8:45 AM	592	Brandon Helfield	1H	8:30 AM - 8:45 AM
712	Vincent Hingot	3K	5:15 PM - 5:30 PM	719	Vincent Hingot	1K	4:00 PM - 4:15 PM
692	Lynn Ewart	6I	11:00 AM - 11:15 AM	918	Fraser Stewart	1I	10:45 AM - 11:00 AM
421	fei li	5E	11:30 AM - 11:45 AM	1002	Piero Tortoli	2E	10:30 AM - 11:00 AM
227	Chao Chen	7F	1:30 PM - 1:45 PM	499	Yinran Chen	2F	2:00 PM - 2:15 PM

2.10.e. Program Smart Errata

Used for checking if every abstract accepted has been placed into a session.

[In “Proceedings Paper Submission” mode, this task displays different results.]

Program Smart Scheduling Information

Group: All

Accepted status ID(s) for this website (261-264 are the default Accepted statuses for this website).

261, 262, 263, 264 Query

Total Accepted:	945
Total Scheduled:	963
Total Unscheduled:	0
Not Accepted but Scheduled:	0
Scheduled More than Once:	18

[Display Schedule Information](#)

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2.10.f. View Session Chair Invitation Report

Display which session chairs have accepted, declined, or “no response” to the invitations. This is a useful tool for running a smooth conference since missing Session Chairs or scrambled to find Session Chairs in the last minute would create problems.

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Session Chair Invitation Report

Filters

Session Type:

Session Title:

Session Chair Last Name:

Decision: All

Apply Filters

Page: 1 of 6GoPage size: 25ChangeItem 1 to 25 of 141

Chair Name	Email	Session ID	Session Title	Session Type	Day	Time	Group	Decision
Emad Ebbini	emad@ece.umn.edu	1A	MEL: Cardiac Elasticity Imaging	Oral	Saturday, September 9, 2017	10:30 am - 12:00 pm	Group 1: Medical Ultrasonics	Accept Wednesday, June 21, 2017 5:06 AM
Keith Wear	keith.wear@fda.hhs.gov	1B	Clinical: Clinical Ultrasound	Oral	Thursday, September 7, 2017	01:30 pm - 03:00 pm	Group 1: Medical Ultrasonics	Accept Wednesday, June 7, 2017 7:02 AM
Kullervo Hynynen	khynynen@sri.utoronto.ca	1C	MTH: HIFU and Ablation	Oral	Thursday, September 7, 2017	04:00 pm - 05:30 pm	Group 1: Medical Ultrasonics	Accept Friday, June 23, 2017 7:43 AM
Mickael Tanter	mickael.tanter@espci.fr	1D	MIM: Brain and acoustoelectric imaging	Oral	Friday, September 8, 2017	08:00 am - 09:30 am	Group 1: Medical Ultrasonics	Accept Wednesday, June 7, 2017

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Program Book Settings

Date: Thursday, September 7, 2017

Session Type: Oral Poster Start Time:

☒ Display Authors

Generate Program Book

Program Book Produced Automatically

10:30 am -12:00 pm

Oral --- Thursday, September 7, 2017

	<p>Session 2A. MBB: Coherence and adaptive beamforming</p> <p><i>Chair: Hideyuki Hasegawa</i> <i>University of Toyama</i></p>	<p>Session 3A. MTH: Histotripsy, Lithotripsy, Thrombotripsy</p> <p><i>Chair: Zhen Xu</i> <i>University of Michigan</i></p>	<p>Session 4A. MBF: 3D Flow Imaging</p> <p><i>Chair: Stefano Ricci</i> <i>Florence University</i></p>	<p>Session 5A. Transducers</p> <p><i>Chair: Mario Kupnik</i> <i>Technische Universität Darmstadt</i></p>	<p>Session 6A. PNL - Nonlinear Acoustics</p> <p><i>Chair: Dave Feld</i> <i>Broadcom Ltd</i></p>	<p>Session 7A. Ultrasound Imaging I</p> <p><i>Chair: Xiaoning Jiang</i> <i>North Carolina State University</i></p>
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Ambassador Ballroom

Palladian Room

Diplomat Room

Blue Room

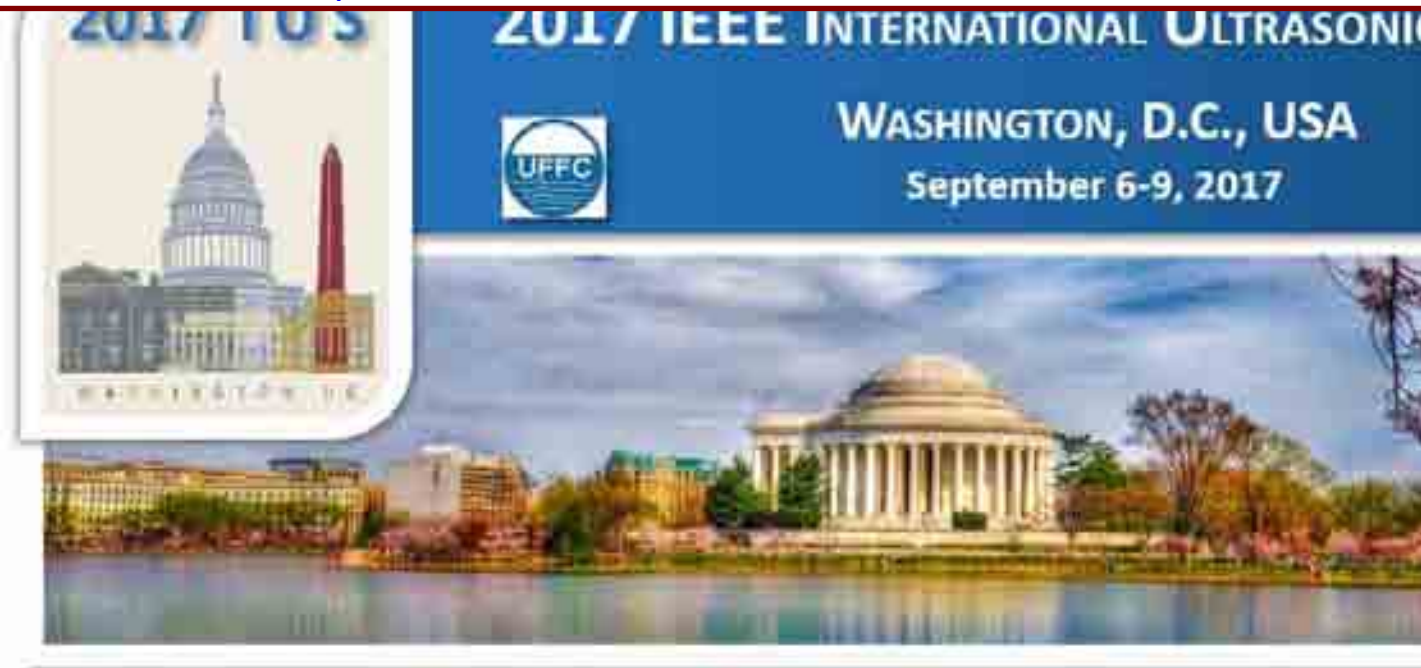
Hampton Room

Empire Room

10:30 am	<p>Enhanced ultrasound harmonic imaging using the Filtered-Delay Multiply and Sum beamformer</p> <p>Giulia Matrone¹, Alessandro Ramalli², Piero Tortoli², Giovanni Magenes¹ ¹Department of Electrical, Computer and Biomedical Engineering, University of Pavia, Pavia, Italy, ²Department of Information Engineering, University of Florence, Firenze, Italy</p>	<p>Rapid liquefaction of blood clots using histotripsy in an in vivo porcine intracerebral hemorrhage (ICH) model</p> <p>Jonathan Sukovich¹, Aditya Pandey², Tyler Gerhards¹, Timothy Hall¹, Charles Cain¹, Zhen Xu¹ ¹Biomedical Engineering, University of Michigan, Ann Arbor, MI, USA, ²Neurosurgery, University of Michigan, Ann Arbor, MI, USA</p>	<p>In-vivo 3D cardiac vector flow imaging – a comparison between ultrasound and Phase-contrast MRI</p> <p>Morten Wigen¹, Alfonso Rodriguez-Molares¹, Tore Bjåstad¹, Marius Eriksen², Knut Håkon Stenseth², Lasse Lovstakken¹ ¹Department of circulation and medical imaging, Norwegian University of Science and Technology, Norway, ²Department of Radiology and Nuclear Medicine, St. Olavs Hospital, Norway</p>	<p>Transducers for Harsh Environments in Nuclear Applications</p> <p>Bernhard Tittmann¹ ¹Engineering Science and Mechanics, Penn State University, University Park, Pennsylvania, USA</p>	<p>Through Transmission Measurement of the Nonlinear Viscoelastic Memory of Rocks by Co-propagating Longitudinal Ultrasonic Pulses</p> <p>Xuan Feng¹, Michael Fehler², Stephen Brown², Daniel Burns², Thomas Szabo³ ¹College of Geo-Exploration Science and Technology, Jilin University, Changchun, China, People's Republic of, ²Earth Resources Laboratory, Massachusetts Institute of Technology, Cambridge, MA, USA, ³Biomedical Engineering, Boston University, Boston, MA, USA</p>	<p>A Magnetic Resonance Compatible E4D Ultrasound Probe for Motion Management of Radiation Therapy</p> <p>Warren Lee¹, Heather Chan¹, Kwok Pong Chan¹, Timothy Fiorillo¹, Eric Fiveland¹, Thomas Foo¹, David Mills¹, James Sabatini¹, David Shoudy¹, Scott Smith¹, Bryan Bednarz² ¹GE Global Research, Niskayuna, NY, USA, ²Department of Medical Physics, University of Wisconsin-Madison, WI, USA</p>
10:45 am	<p>Adaptive Beamforming Applied to Transverse Oscillation</p> <p>Hideyuki Hasegawa¹ ¹Graduate School of Science and Engineering, University of Toyama, Toyama, Japan</p>	<p>Stress waves in model kidney stones exposed to burst wave lithotripsy</p> <p>Adam Maxwell¹, Brian MacConaghy², Michael Bailey^{1,2}, Oleg Sapozhnikov^{2,3} ¹Department of Urology, University of Washington School of Medicine, Seattle, WA, USA, ²Center for Industrial and Medical Ultrasound, Applied Physics Laboratory, University of Washington, Seattle, WA, USA, ³Department of Acoustics, Physics Faculty, Moscow State University, Moscow, Russian Federation</p>	<p>Validation of high frame rate echo-PIV with optical PIV in a realistic left ventricular phantom</p> <p>Jason Voorneveld¹, Aswin Muralidharan¹, Timothy Hope¹, Hendrik Vos¹, Pieter Kruizinga¹, Antonius F.W. van der Steen¹, Nico de Jong¹, Frank Gijsen¹, Sasa Kenjeres², Johan Bosch¹ ¹Thorax Center, Erasmus MC, Rotterdam, Netherlands, ²Transport Phenomena Section, Chemical Engineering, Delft University of Technology, Netherlands</p>		<p>Characterizing micro-crack distributions with nonlinear acoustic surface and wedge waves</p> <p>Marck Rjelka¹, Bernd Koehler¹, Pavel Pupyrev², Andreas Mayer³ ¹Fraunhofer IKTS, Dresden, Germany, ²Prokhorov General Physics Institute, Moscow, Russian Federation, ³HS Offenburg - University of Applied Sciences, Gengenbach, Germany</p>	<p>PIN-PMN-PT single crystal composite and 3D printed interposer backing for ASIC integration of large aperture 2D array</p> <p>Robert Wodnicki¹, Haochen Kang¹, Rui Zhang², Nestor Cabrera Munoz¹, Ruimin Chen¹, Chi Tat Chiu¹, Qifa Zhou^{1,3}, Douglas N. Stephens², Katherine W. Ferrara² ¹Biomedical Engineering, University of Southern California, Los Angeles, California, USA, ²Biomedical Engineering, University of California, Davis, Davis, California, USA, ³Roski Eye Institute, Department of Ophthalmology, University of Southern California, Los Angeles, California, USA</p>
11:00 am	<p>Influence of the Delay-Multiply-And-Sum beamformer on the ultrasound image amplitude.</p> <p>Fabrice Prieur¹, Ole Marius Hoel Rindal¹, Sverre Holm¹, Andreas Austeng¹ ¹Department of Informatics, University of Oslo, Oslo, Norway</p>	<p>Non-Invasive Liver Cancer Ablation using Histotripsy in an in vivo Murine Hepatocellular Carcinoma (HCC) Model</p> <p>Tejaswi Worlikar¹, Eli Vlaisavljevich¹, Tyler Gerhards¹, Joan Greve¹, Shanshan Wan¹, Kimberly Ives¹, Timothy Hall¹, Theodore Welling¹, Zhen Xu¹ ¹University of Michigan, Ann Arbor, Michigan, USA</p>	<p>3D tracking Doppler for quantitative blood flow assessment of coronary arteries</p> <p>Stefano Fiorentini¹, Lars Saxhaug¹, Tore Bjåstad¹, Espen Holte¹, Hans Torp¹, Jørgen Avdal¹ ¹Department of Circulation and Medical Imaging, Norwegian University of Science and Technology, Norway</p>	<p>High Temperature Ultrasonic Transducers by CaBi₂Ta₂O₉/Pb(Zr,Ti)O₃ Sol-Gel Composite</p> <p>Tomoya yamamoto¹, Masaki Yugawa¹, Hajime Nagata², Makiko Kobayashi¹ ¹Kumamoto University, Japan, ²Tokyo University of Science, Japan</p>	<p>Nonlinear Effects in NEMS - Improving Frequency Stability</p> <p>Luis Guillermo Villanueva¹, Rassul Karabalin², Mathew Matheny², Michael Cross², Eyal Kenig², Ron Lifshitz², Michael Lee Roukes² ¹EPFL, Switzerland, ²Caltech, USA, ³Tel Aviv University, Israel</p>	<p>A handheld 1D transparent CMUT array probe for photoacoustic imaging</p> <p>Jean L. Sanders¹, Xiao Zhang¹, Xun Wu¹, Oluwafemi Joel Adelegan¹, F. Yalcin Yamaner¹, Michael Kudenov¹, Ömer Oralkan¹ ¹Department of Electrical and Computer Engineering, North Carolina State University, Raleigh, NC, USA</p>
11:15 am	<p>Phase coherence beamforming to enhance myocardial speckle tracking performance</p> <p>Pedro Santos¹, Nadezhda Koriakina¹, Bidisha Chakraborty¹, João Pedrosa¹, Vanguiush Komini¹, Jan D'hooge¹ ¹Department of Cardiovascular Sciences, KU Leuven, Belgium</p>	<p>Evaluation of a new non-invasive ultrasonic device for venous recanalization: assessment of feasibility and safety of thrombotripsy at 2.25 MHz in an in vitro model of recent venous thrombosis</p> <p>Guillaume Goudot¹, Bastien Arnal¹, Tristan Mirault², Catherine Boisson-Vida³, Bernard Le Bonniec³, Mickaël Tanter¹, Emmanuel Messas², Mathieu Pernot¹</p>	<p>DOPPLER VELOCITY ESTIMATION IN 3D CARDIAC ULTRAFAST ULTRASOUND IMAGING: AN IN VITRO STUDY</p> <p>Emilia Badescu¹, Lorena Petrusca¹, Damien Garcia¹, Denis Friboulet¹, Hervé Liebgott¹ ¹Univ.Lyon, INSA-Lyon, UCBL1, UJM-Saint Etienne, CNRS, Inserm, CREATIS UMR 5220, U1206, Lyon, France</p>	<p>Design of high-intensity ultrasound reactor</p> <p>Örjan Johansson¹, Torbjorn Lofqvist², Taraka Rama Krishna Pamidi¹ ¹Department of Civil, Environmental and Natural Resources Engineering, Luleå tekniska universitet, Luleå, Sweden, ²Department of Computer Science, Electrical and Space Engineering, Luleå tekniska universitet, Luleå, Sweden</p>		<p>Imaging performance analysis of a foldable large aperture 2-D ICE array</p> <p>Bernard Shieh¹, Karim Sabra¹, F. Levent Degetekin¹ ¹Georgia Institute of Technology, USA</p>

2.11. Manage/Send Blast E-mail

Blast emails can be created using the email templates in Task 2.7 above. A record of all blast emails sent is listed here. You can also see all recipients of each blast email.



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Unprocessed Emails

Action	Creator	Recipients	Created	Processed	Sample Subject
None					

Sent Emails

Blast ID	Creator	Recipients	Created	Processed	Sample Subject
2	Admin, Mira	Custom (59)	4/7/2017	4/7/2017	Review of Abstracts - 2017 IEEE International Ultrasonics Symposium Review Deadline
4	Admin, Mira	Custom (112)	4/11/2017	4/11/2017	Review of Abstracts - 2017 IEEE International Ultrasonics Symposium Review Deadline
5	Admin, Mira	Custom (423)	6/6/2017	6/6/2017	Accepted as Oral Presentation - Abstract ID: 1592 - 2017 IEEE International Ultrasonics Symposium
6	Admin, Mira	Custom (1028)	6/6/2017	6/6/2017	Accepted as Poster Presentation - Abstract ID: 1066 - 2017 IEEE International Ultrasonics Symposium
8	Admin, Mira	Custom (363)	6/6/2017	6/6/2017	Reject - Abstract ID: 5 - 2017 IEEE International Ultrasonics Symposium
11	Schmitz, Georg	Custom (141)	6/6/2017	6/6/2017	2017 IUS Session Chair Information Accepted as Combined Oral Presentation - Abstract ID: 251 - 2017 IEEE International Ultrasonics Symposium
13	Schmitz, Georg	Custom (5)	6/7/2017	6/7/2017	2017 IUS Student Paper Competition Finalist
15	Admin, Mira	Custom (18)	6/7/2017	6/7/2017	Student Travel Support Approved - Abstract ID: 1310 - 2017 IEEE International Ultrasonics Symposium
16	Admin, Mira	Custom (104)	6/7/2017	6/7/2017	Accepted as Oral Presentation - Abstract ID: 440 - 2017 IEEE
19	Admin, Mira	Custom (16)	6/7/2017	6/7/2017	

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21	Admin, Mira	Custom (109)	6/7/2017	6/7/2017	International Ultrasonics Symposium Student Travel Support Declined - Abstract ID: 1068 - 2017 IEEE International Ultrasonics Symposium
23	Schmitz, Georg	Custom (4)	6/9/2017	6/9/2017	Accepted as Combined Poster Presentation - Abstract ID: 122 - 2017 IEEE International Ultrasonics Symposium
24	Schmitz, Georg	Custom (10)	6/9/2017	6/9/2017	Withdrawn as Combined - Abstract ID: 53 - 2017 IEEE International Ultrasonics Symposium
25	Schmitz, Georg	Custom (5)	6/9/2017	6/9/2017	Accepted as Combined Oral Presentation - Abstract ID: 251 - 2017 IEEE International Ultrasonics Symposium

Cancelled Emails

Blast ID	Creator	Recipients	Created	Processed	Sample Subject
None					

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2.12. Manager Reports

Create or manage existing Excel report files. General Chair and TPC Chair are able to create reports. Group Chairs also are able to create reports. Each report created by anyone is logged in this task. General Chair and TPC Chairs are able to produce the following reports:

- (i) Submissions (for all abstracts including withdrawn).
- (ii) Site Users (contact information of users, etc).
- (iii) Accepted Primary Authors (there was an ERROR).
- (iv) Successfully Submitted Invited Presenting Authors.
- (v) Invited Presenting Authors.
- (vi) Presentation **Recording Consent** (this may not be available in abstract submissions since my consent does not show up).

[In “Proceedings Paper Submission” mode, the original reports in abstract submissions are cleared. Item (i) above has a different status. Item (iv) displays no results. Item (vi) now shows a full result that is very useful for the team to **manage session recordings** but the saved .csv file has a **wrong format** that needs to be fixed by Mira (this problem has now been fixed by Mira as of August 26, 2017). Also on August 26, 2017, Mira added an Item (vii) “IndexSMART Data” that contains only one Mira testing paper.]



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Create a report about Submissions

Create a New Report

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Bridal_4m21d2017y_5h42m23sPM.csv
Bridal_4m21d2017y_5h43m48sPM.csv
Bridal_4m25d2017y_3h37m8sPM.csv
Bridal_4m25d2017y_3h38m10sPM.csv

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ManagerReport				Authors		Site User		Status
ID	Title	Group	Sub-Group					
1	Submission 1	Group 1: Medical Ultrasonics	MBB Medical Beamforming and Beam Steering	Mira Admin (Corresponding Author, Presenting Author)		Mira Admin		Withdrawn by Author
2	This is test 2 ...	Group 2: Sensors, NDE & Industrial Applications	NAI Acoustic Imaging	Mira Admin (Corresponding Author, Presenting Author)		Mira Admin		Withdrawn by Author
3	Test Abstract 3	Group 2: Sensors, NDE & Industrial Applications	NAI Acoustic Imaging	Mira Admin (Corresponding Author, Presenting Author)		Mira Admin		Withdrawn by Author

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ManagerReport

ID	Name	Address	Country	Email Address	Phone	Fax	Institution	Number Submitted	Roles
1	Mira Admin	201 S. Central Ave., St. Louis MO 63105	USA	IUS2017@mirasmar.com	314-776-6666		Mira	4	Author, Reviewer, Group Chair, Staff, General Chair and TPC Chair
2	Georg Schmitz		Please choose an option below	georg.schmitz@rub.de			Ruhr-Universität Bochum	1	Author, Reviewer, Group Chair, General Chair and TPC Chair
3	Keith Wear		USA	keith_wear@fda.hhs.gov			U.S. Food and Drug Administration	4	Author, Reviewer, Group Chair, General Chair and TPC Chair
4	Lori Bridal	N/A	France	lori.bridal@supmc.fr			University Pierre et Marie Curie, CNRS	0	Author, Reviewer, Group Chair
5	Erdal Oruklu	Chicago IL 60616	USA	oruklu@it.edu			Illinois Institute of Technology	5	Author, Reviewer, Group Chair
6	Koen van Dongen	N/A	Netherlands	K.W.A.vanDongen@tudelft.nl			Delft University of Technology	0	Author, Reviewer, Group Chair
7	Karl Wagner	Anzinger Strasse 13, Munich N/A 81671	Germany	karl.wagner@rf360lv.com	+49 171 9534605		RF360 Europe GmbH	0	Author, Reviewer, Group Chair
8	Sandy Cochran		Please choose an option below	Sandy.Cochran@glasgow.ac.uk			University of Glasgow	1	Author, Reviewer, Group Chair
9	Jian-yu Lu		Please choose an option below	jian-yu.lu@ieee.org			University of Toledo	0	Author, Reviewer, Group Chair, General Chair and TPC Chair

Save Report

Save CSV file

Start a New Report



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

An error occurred on the server when processing the URL. Please contact the system administrator.

If you are the system administrator please click [here](#) to find out more about this error.

Successfully Submitted Invited Papers (22 Invited)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logout](#) [My Info](#)

ManagerReport

ID	Title	Group	Status	First Name	Last Name	Email Address
112	Piezoelectric materials and application oriented figures of merit	Group 5: Transducers & Transducer Materials	Accept/Oral	Shujun	Zhang	shujun@uow.edu.au
328	Temperature compensated SAW with high quality factor	Group 4: Microacoustics – SAW, FBAR, MEMS	Accept/Oral	Benjamin	Abbott	Ben.Abbott@Qorvo.com
470	Chemical and Biological Sensing using Acoustic Wave Propagation and Nano-scale Phenomena	Group 2: Sensors, NDE & Industrial Applications	Accept/Oral	Venkat	Bhethanabotla	bhethana@usf.edu
498	I.H.P.SAW technology and its application to micro acoustic components	Group 4: Microacoustics – SAW, FBAR, MEMS	Accept/Oral	Tsutomu	Takai	tsutomu@murata.com
550	Nonlinear Effects in NEMS - Improving Frequency Stability	Group 3: Physical Acoustics	Accept/Oral	Luis Guillermo	Villanueva	Guillermo.Villanueva@epfl.ch
576	Breaching the blood-brain barrier noninvasively	Group 1: Medical Ultrasonics	Accept/Oral	Kullervo	Hynynen	khynynen@sri.utoronto.ca
730	Coherence Beamforming and its Applications to the Difficult-to-Image Patient	Group 1: Medical Ultrasonics	Accept/Oral	Jeremy	Dahl	jeremy.dahl@stanford.edu
778	Transducers for Harsh Environments in Nuclear Applications	Group 2: Sensors, NDE & Industrial Applications	Accept/Oral	Bernhard	Tittmann	brt44@psu.edu
953	Coupling of mechanical resonators under surface acoustic wave excitation	Group 3: Physical Acoustics	Accept/Oral	Sarah	Benchabane	sarah.benchabane@femto-st.fr
1002	Next-generation ultrasound research scanners design	Group 1: Medical Ultrasonics	Accept/Oral	Piero	Tortoli	piro.tortoli@unifi.it
1014	Machine learning in medical ultrasound to assist clinical diagnosis	Group 1: Medical Ultrasonics	Accept/Oral	J. Alison	Noble	alison.noble@eng.ox.ac.uk
1026	High-Frequency Arrays and Applications	Group 5: Transducers & Transducer Materials	Accept/Oral	Jeremy	Brown	j.brown@dai.ca
1141	Ultrafast ultrasound imaging of the heart: from 2D to 3D quantitative imaging of the myocardium and blood flows	Group 1: Medical Ultrasonics	Accept/Oral	Mathieu	Pernot	mathieu.pernot@espci.fr
1168	A Few Twists Regarding the Momentum of Shaped Beams	Group 3: Physical Acoustics	Accept/Oral	Gabriel	Spalding	gspaldin@lu.edu
1429	Shaping Acoustofluidic Landscapes to Profile and Separate Cells and Sub-micron Particles	Group 2: Sensors, NDE & Industrial Applications	Accept/Oral	Per	Augustsson	per.augustsson@bme.lth.se
1446	Which is the best thin film piezoelectric material?	Group 4: Microacoustics – SAW, FBAR, MEMS	Accept/Oral	Paul	Muralt	paul.muralt@epfl.ch
1464	Ultrasonic Neuromodulation	Group 1: Medical Ultrasonics	Accept/Oral	William J	Tyler	wtyler@asu.edu
1491	Shear Wave Speed: Becoming a Clinically Valuable Biomarker	Group 1: Medical Ultrasonics	Accept/Oral	Mark	Palmeri	mark.palmeri@duke.edu
1589	High Intensity Therapeutic Ultrasound in the Brain	Group 1: Medical Ultrasonics	Accept/Oral	Jeff	Elias	WJE4R@hscmail.mcc.virginia.edu
1590	Frontiers in elastography including ultrasound and other modalities	Group 1: Medical Ultrasonics	Accept/Oral	Brian	Garra	Brian.Garra@fda.hhs.gov
1591	Frontiers in image-guided intervention including ultrasound and other modalities	Group 1: Medical Ultrasonics	Accept/Oral	Keyvan	Farahani	farahank@mail.nih.gov
1592	Regulation of Medical Ultrasound Devices in the United States of America	Group 5: Transducers & Transducer Materials	Accept/Oral	Keith	Wear	keith.wear@fda.hhs.gov

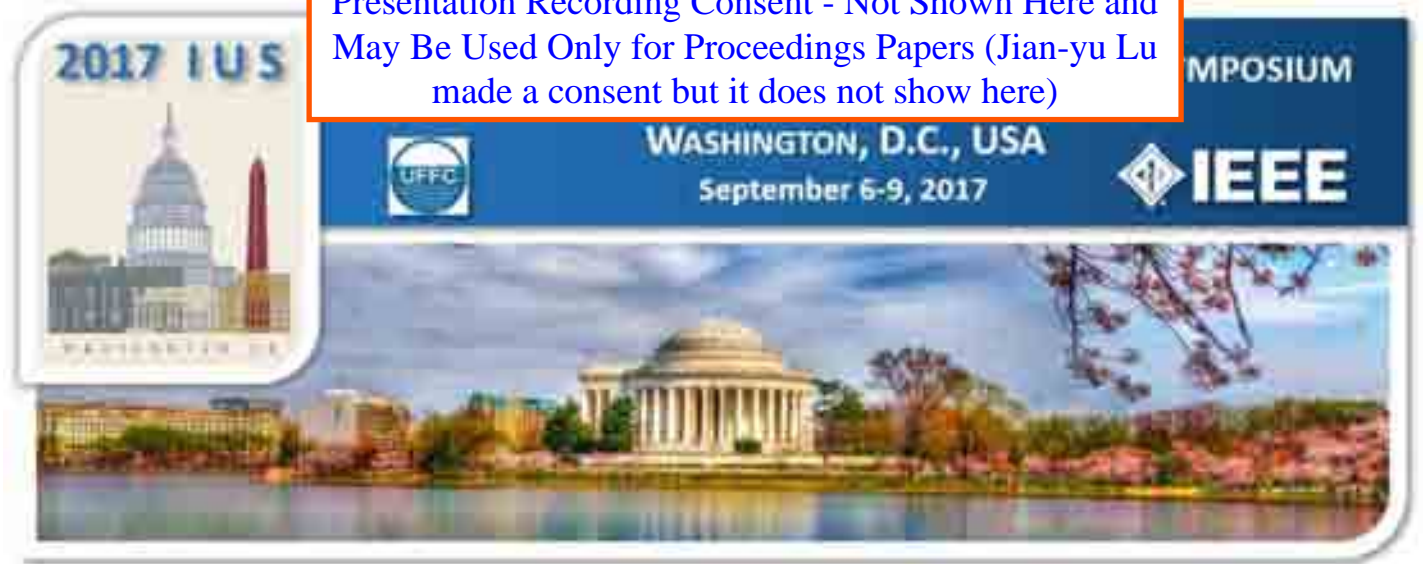
[Save Report](#) as

[Save CSV file](#) as

[Start a New Report](#)

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Presentation Recording Consent - Not Shown Here and May Be Used Only for Proceedings Papers (Jian-yu Lu made a consent but it does not show here)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

ManagerReport

No records match that search criteria.

[Save Report](#) as

[Save CSV file](#) as

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2.13. Submit/View Ithenticate Files

CrossCheck for files: I used my abstract to do a test. However, after testing, my abstract disappeared from the list. After logging out and then logging in again, the CrossCheck scores of the abstract are displayed. The CrossCheck worked properly for my abstract during the testing.

[In “Proceedings Paper Submission” mode, this task displayed nothing. This may be due to the fact that there are no proceedings papers uploaded yet on July 4, 2017 when I did the checking. **This task should be very important to check plagiarism for proceedings papers and thus needs to be used by the conference Proceedings Editor.**]

[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu
[Logoff](#) [My Info](#)

iThenticate Selection Screen

**2017 IEEE
IUS
September 6-9,
2017
Washington, D.C.,
USA**

[Please click here to return to the IUS 2017 website](#)

**The abstract
submission deadline is
April 1, 2017 11:59pm
(PDT).**

CrossCheck
IEEE takes the protection of intellectual property seriously. Accordingly, all submissions will be screened for plagiarism using CrossCheck. By submitting your work you agree to allow IEEE to screen your work. For more information [click here](#):

For support, call 866-341-9589 between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to IUS2017@mirasmar.com

Choose Files to Submit to iThenticate



[Select All](#) [Select Files that Need to be Processed](#)

[Select Files that Need Scores](#)

iThenticate Links: [HOME](#) [LOGIN](#)

Files will be submitted to: / (0)

[Process Selected Files](#)

[Refresh Grid](#)

[Manager Home](#)

Legend: 0% 1% - 40% 41% or higher

File Info										Processing Info		Score Info		
ID	Title	Status	Uploaded Time	Response Message	Processed Time	Words	Score	Similarity Report						
<input type="checkbox"/>														
<input checked="" type="checkbox"/> 1519	Speckle Noise Reduction for High-Frame-R Imaging	Accept/Oral	6/23/2017 10:12:52 AM	Uploaded 1 document successfully	6/23/2017 10:13:13 AM	413	21%	View Report						
<input checked="" type="checkbox"/> 8	Investigation of interaction of surface acoustic wave with controlled electroinduced domain structures in the crystal	Accept/Poster				0	00%							
<input checked="" type="checkbox"/> 18	Accelerated guided waves inspection using Compressive sensing and Local wavenumber domain analysis	Accept/Oral				0	00%							

The screenshot shows the iThenticate web application. At the top, a navigation bar includes links for 'Home', 'About Us', 'Contact Us', 'FAQ', 'Privacy Policy', and 'Terms of Service'. Below this, a header section displays the iThenticate logo and the text 'Total Documents to Verify: 1'. A central panel contains two buttons: 'Submit Documents for Review' and 'Retrieve Document Scores'. Below these buttons is a text area showing a document title and a 'Verify' button. A sidebar on the left contains a list of documents, including '2017 IEEE IUS September 2017 Washington, USA'. A sidebar on the right contains a list of documents, including '2017 IEEE IUS September 2017 Washington, USA'. At the bottom, a footer section contains the text 'iThenticate Notes:' followed by a list of instructions: 'After Submitting it usually takes 2-10 minutes for the scoring to be completed.', 'Every request for Submitting Documents cost iThenticate credits, total credit fees depend on the page size.', 'Retrieving Document Scores are free.', and 'Resubmitting a File will reset the score of the document.'

Test Summary

The screenshot shows a web browser window with the iThenticate Processing interface. The main window displays the iThenticate logo and the text "Total Documents to Verify: 1". Below this, there are two buttons: "Submit Documents for Review" and "Retrieve Document Scores". A table shows the verification results for a document named "2017 IEEE IUS Abstract Submission".

ID	percent_match	score	error
1519	25	47	

iThenticate Notes:

- After Submitting it usually takes 2-10 minutes for the scoring to be completed
- Every request for Submitting Documents cost iThenticate credits, total credit fees depend on the page size.
- Retrieving Document Scores are free
- Resubmitting a File will reset the score of the document.

The background of the browser window shows a sidebar with information about the 2017 IEEE IUS conference, including the location (Washington, USA) and dates (September 1-3, 2017).

Detailed Results

23-Jun-2017 11:12AM 443 words + 10 matches + 1 word

iThenticate Speckle Noise Reduction for 21%

Match Overview

Rank	Source	Match Percentage
1	Crosref 21 words Abstract book... 2008 IEEE International Symposium on...	8%
2	Crosref 14 words Jing Wang, "Sketch Analysis of Everyday High Frame R... + Image", 2012 International on Advanced Pattern...	4%
3	Crosref 12 words Jing Wang, "Sketch Analysis of Everyday High Frame R... + Image", 2012 International on Advanced Pattern...	3%
4	Crosref 11 words Jing Wang, "Sketch Analysis of Everyday High Frame R... + Image", 2012 International on Advanced Pattern...	2%
5	Crosref 8 words Jing Wang, "Sketch Analysis of Everyday High Frame R... + Image", 2012 International on Advanced Pattern...	2%
6	Crosref 7 words Jing Wang, "Sketch Analysis of Everyday High Frame R... + Image", 2012 International on Advanced Pattern...	2%

23-Jun-2017 11:12AM 443 words + 10 matches + 1 word

2.14. Site Configuration:

There is a sub menu for this task and will be explained separately below. It customizes various functions of the Mira website. For example: It allows switching between abstract and proceedings paper submissions. It can control if authors are allowed to submit abstracts after the deadline and if reviewers are allowed to submit reviews after the deadline.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

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2017 IEEE IUS
September 6-9,
2017
Washington, D.C.,
USA

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The abstract submission deadline is April 1, 2017 11:59pm (PDT).

CrossCheck

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Configurable Roles:

[General Site Settings](#)

[Author Role](#)

[Reviewer Role](#)

[Group Chair Role](#)

[General Chair and TPC Chair Role](#)

Configurable Client Area:

[Client Area HTML](#)

[Client Images/PDFs](#)

Other Configurable Settings:

[All Site Names](#)

[Button Captions](#)

[Batch Download PDF Settings](#)

[Site Colors](#)

[Allowable File Types](#)

[Abstract Conversion Settings](#)

[ProgramSmart Settings](#)

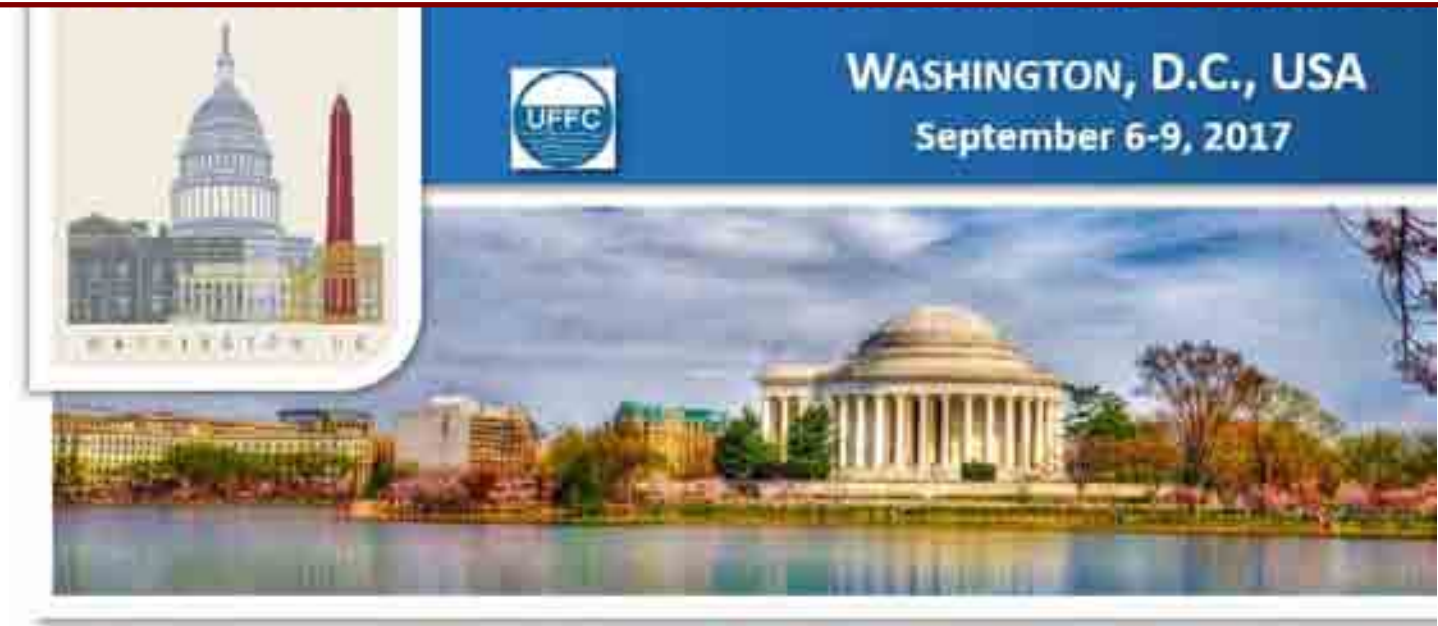
[General Chair and TPC Chair Home](#)

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Site Configuration

2.14.a. General Site Settings

- (i) Control whether authors and reviewers are allowed to submit abstracts or review results after deadlines.
 - (ii) Specify the MIRA website is for abstract submission site or for proceedings paper submission site.
- [In “Proceedings Paper Submission” mode, select “Paper Submissions” option.]



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

General Site Settings

☒ Enable Site for Public Access

☒ Site Open for Author Login

☒ Allow Author Login

☐ Allow Creation of New User Accounts

☐ Allow Creation of New Submissions

☒ Allow Reviewer Login

☒ Allow Chair Login

Site Title: 2017 IEEE IUS Abstract Submission

Site Contact Email: IUS2017@mirasmart.com

This site is collecting: ☒ Abstract Submissions
☐ Paper Submissions

☐ Use Custom Submission IDs

Prefix ID Length Suffix

4

[Preview](#)

☒ Log Visits

☐ Write XML to File for Debugging

[Save Settings](#)

[Cancel](#)

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2.14.b. Author Role

Customize what authors can see and do during their abstract or proceedings paper submissions.

[In “Proceedings Paper Submission” mode, payment is enabled: “this role has payment”.]



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

Author Settings

Jump to: [Submission Steps Settings](#)
[User and Author Settings](#)
[Copyright Settings](#)
[Payment Settings](#)
[Submission Settings](#)
[Bottom](#)

Submission Steps Settings

[Save Settings](#)

[Cancel](#)

Submission Steps Order:

Submission Step	Display Order
Authors	↓
Submission Detail	↑ ↓
Submission	↑ ↓
Supporting Files	↑ ↓
Copyright	↑ ↓
Proofread	↑ ↓
Payment	↑

[Default Order](#)

User and Author Settings

[Save Settings](#)

[Cancel](#)

Name for this role:

Name for this role (plural):

Allow authors to withdraw their submissions: ☒ Yes ☐ No

Enable dual affiliations: ☒ Yes ☐ No

User and Author Information to collect:

Field	Display Name	Display Order	My Info		Main Author Info		Co-Author Info	Display As	Manage
			Display	Require	Display	Require	Require		
Salutation	Salutation	↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Manage
First Name	First Name	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Middle Name	Middle Name	↑ ↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Last Name	Last Name	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Email Address	Email Address	↑ ↓			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Institution	Institution	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Department	Department	↑ ↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Job Title	Job Title	↑ ↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Street Address	Street Address	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HTML Text Area Box (15 cols)	
City	City	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Country	Country	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Manage
State	State/Province	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Postal Code	Postal Code	↑ ↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Phone	Phone	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Fax	Fax	↑ ↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Variable 1	Variable 1	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HTML Text Box	Manage
Variable 2	Variable 2	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HTML Text Box	Manage
Variable 3	Variable 3	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HTML Text Box	Manage
Variable 4	Variable 4	↑	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HTML Text Box	Manage

☐ Don't use "Main Author" status

☒ Allow only one "Main Author"

☐ Allow one or more "Main Authors"

☒ Require "Main Author"

☐ Force "Main Author" to be first in Author list

Default "My Info" as "Main Author": ☐ Yes ☒ No

Name for "Main Author": Corresponding Author

☐ Don't use "Special Author" status

☒ Allow only one "Special Author"

☐ Allow one or more "Special Authors"

☒ Require "Special Author"

Name for "Special Author": Presenting Author

Copyright Settings Save Settings Cancel

☐ This Role has a Copyright Agreement (*Must be checked to include copyright agreement*)

Copyright is: ☐ Electronic ☒ Hard Copy

Name of "Copyright Agreement": Copyright

Copyright Text:

[insert copyright text here]

Address for Copyright Form:

Mira Digital Publishing, Inc.
3800 Park Ave.
St. Louis, MO 63110

Copyright URL:

Available PDFs: (Click to View)

[Add Group1_Subcategories.pdf](#)

Upload PDF

Payment Settings

Save Settings

Cancel

☐ **This Role has Payments** (*Must be checked to include payments*)

Allow payment by:

☒ Credit Card

Card Type(s) Allowed:

☒ American Express ☒ Discover ☒ MasterCard ☒ Visa

Optional credit card information to collect:

Name	Display	Require
Phone Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fax Number	<input type="checkbox"/>	<input type="checkbox"/>
Address	<input type="checkbox"/>	<input type="checkbox"/>

☐ Check

☐ Purchase Order

Address to which to mail checks and/or purchase orders:

Some Address

Payment Charges:

Submission Charge: \$0

Other Charges (Displayed as a checkbox by default):

Display	Order	Description	Amount	Drop-Down?	Max Quantity
<input checked="" type="checkbox"/>	↓	Over 4 pages for regular authors	\$ 100	<input checked="" type="checkbox"/>	2
<input checked="" type="checkbox"/>	↑ ↓	Over 10 pages for invited authors	\$ 100	<input checked="" type="checkbox"/>	2
<input type="checkbox"/>	↑ ↓	0	\$ 0	<input type="checkbox"/>	0
<input type="checkbox"/>	↑ ↓	0	\$ 0	<input type="checkbox"/>	0
<input type="checkbox"/>	↑ ↓	0	\$ 0	<input type="checkbox"/>	0
<input type="checkbox"/>	↑ ↓	0	\$ 0	<input type="checkbox"/>	0
<input type="checkbox"/>	↑ ↓	0	\$ 0	<input type="checkbox"/>	0
<input type="checkbox"/>	↑ ↓	0	\$ 0	<input type="checkbox"/>	0
<input type="checkbox"/>	↑ ↓	0	\$ 0	<input type="checkbox"/>	0
<input type="checkbox"/>	↑	0	\$ 0	<input type="checkbox"/>	0

Submission Settings

Save Settings

Cancel

Number of Expected Submissions: 1000

Submissions are collected: ☒ Online ☐ via Upload ☐ Both

☒ Display Character Count on Online collection page

☒ Use "Supporting Files"

Name for "Supporting Files": Figures and/or Tables

Submission Information to collect:

Name	Display Name	Display Order	Display	Require	Disable on Revision	Display As:	Manage
Submission	Abstract						
Track	Group	↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Manage
Session	Sub-Group	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Manage
Submission Variable 2	This is a student Abstra	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HTML Combo Box	Manage
Submission Variable 3	Do you require student	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HTML Combo Box	Manage
Submission Variable 1	Are you an Invited Spez	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HTML Combo Box	Manage
Presentation Preference	Presentation Preference	↑ ↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Manage
Subject	Keyword	↑ ↓	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HTML Text Box	Manage
Abstract	Abstract	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Submission Variable 4	I confirm I have read th	↑	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HTML Check Box	Manage

Are Sessions linked to Tracks? ☒ Yes ☐ No

Display Abstract on: ☒ Upload ☐ Submission Details ☐ Both

Please select the information to display on the "Finish" page.											
Data:	Date	User's Name	Login	Password	Submission ID	Title	Track	Session	Subject	Author Block	Text Block
Display:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Text on "Finish" page:

Accepted Text:

Congratulations on the successful submission of your abstract. For your records, please print a copy of this page.

Submission Suspended Text:

Your submission has been suspended. Please return to the site before the deadline to finish.

Wait A Day Text:

We apologize for the delay in processing your submission. Please check back later.

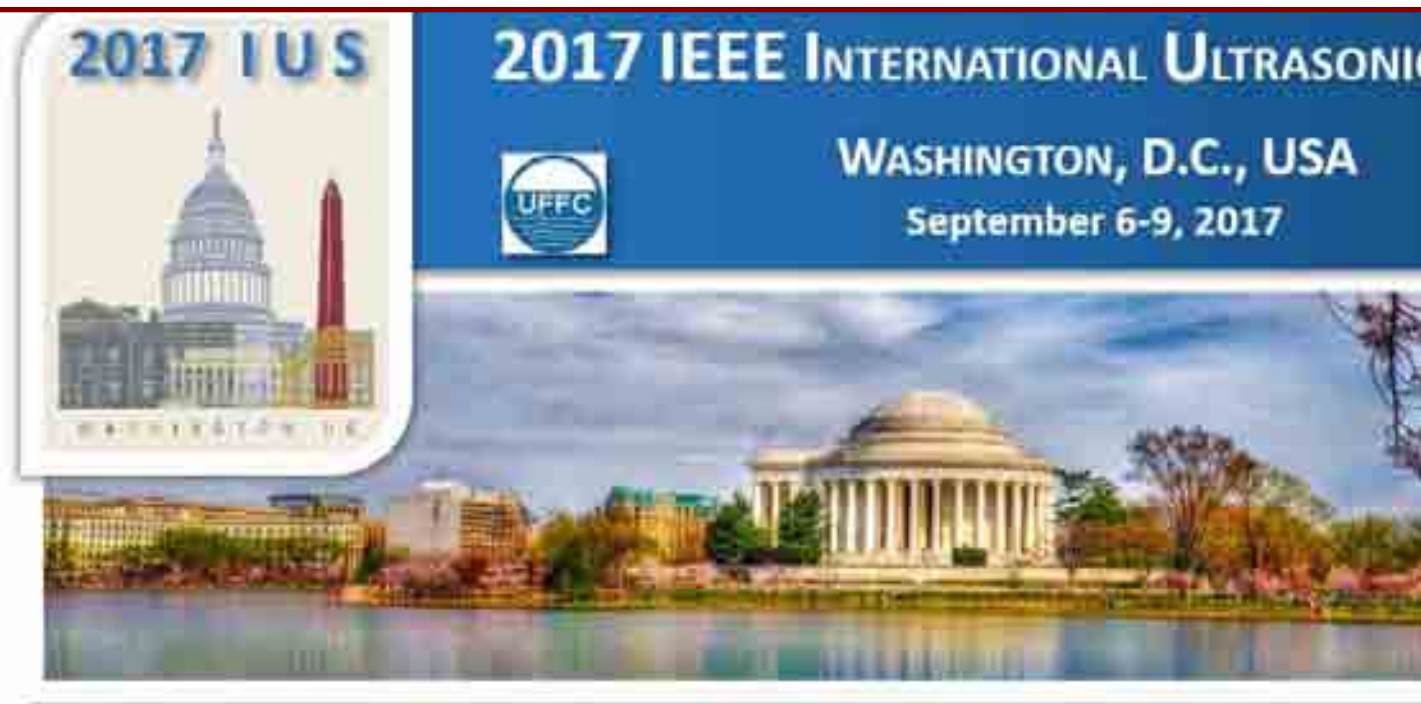
[Jump to Top](#)

Save Settings

Cancel

2.14.c. Reviewer Role

Customize what reviewers can see and do during their abstract review.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

Reviewer Settings

Jump to: [Reviewer Homepage Settings](#)
[Reviewer Form Settings](#)
[Bottom](#)

Reviewer Homepage Settings [Save Settings](#) [Cancel](#)

Names for:

"Reviewer": Reviewer

Plural: Reviewers

"Review": Review

Plural: Reviews

Review Information:

Field	Use	Req	Name	Plural	Manage
Rating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rating	Ratings	Manage
Recommendation	<input type="checkbox"/>	<input type="checkbox"/>	Recommendation	Recommendations	Manage
Comments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments		
Upload	<input type="checkbox"/>	<input type="checkbox"/>	Commented Abstracts		

☐ Blind Reviewers (Reviewers see no author data)

Submission information to display on Reviewer Homepage:

Field	Display Order	Display	Maximum Display Length
Status	↓	<input checked="" type="checkbox"/>	
Batch Checkbox	↑ ↓	<input checked="" type="checkbox"/>	10 chars
Submission Number	↑ ↓	<input checked="" type="checkbox"/>	15 chars
Links	↑ ↓	<input checked="" type="checkbox"/>	
Authors	↑ ↓	<input type="checkbox"/>	15 chars
Title	↑ ↓	<input checked="" type="checkbox"/>	25 chars

Track	↑ ↓	<input type="checkbox"/>	25 chars
Session	↑ ↓	<input checked="" type="checkbox"/>	25 chars
Transferred	↑ ↓	<input type="checkbox"/>	10 chars
Presentation Preference	↑ ↓	<input checked="" type="checkbox"/>	25 chars
Submission Variable 1	↑ ↓	<input checked="" type="checkbox"/>	10 chars
Submission Variable 2	↑ ↓	<input type="checkbox"/>	10 chars
Student Paper	↑ ↓	<input checked="" type="checkbox"/>	10 chars
Submission Variable 3	↑ ↓	<input type="checkbox"/>	10 chars
Submission Variable 4	↑ ↓	<input type="checkbox"/>	10 chars
Rating	↑ ↓	<input checked="" type="checkbox"/>	15 chars
Reviewer Presentation Pref	↑ ↓	<input checked="" type="checkbox"/>	10 chars
Combine With	↑ ↓	<input checked="" type="checkbox"/>	10 chars
Recommendation	↑ ↓	<input type="checkbox"/>	15 chars
Comments	↑ ↓	<input checked="" type="checkbox"/>	15 chars
Submit	↑	<input checked="" type="checkbox"/>	

Reviewer Form Settings

☐ **Use Reviewer Forms** (*Must be checked to use Reviewer Forms*)

Submission information to display on Reviewer Form:

Field	Display Order	Display
Submission Number	↓	<input checked="" type="checkbox"/>
Review Status	↑ ↓	<input checked="" type="checkbox"/>
Title	↑ ↓	<input checked="" type="checkbox"/>
Paper Status	↑ ↓	<input checked="" type="checkbox"/>
Authors	↑ ↓	<input checked="" type="checkbox"/>
Track	↑ ↓	<input checked="" type="checkbox"/>
Session	↑ ↓	<input checked="" type="checkbox"/>
Transferred	↑ ↓	<input type="checkbox"/>
Subject	↑ ↓	<input type="checkbox"/>
Presentation Pref	↑ ↓	<input checked="" type="checkbox"/>
Submission Variable 1	↑ ↓	<input checked="" type="checkbox"/>
Student Paper	↑ ↓	<input checked="" type="checkbox"/>
Rating	↑ ↓	<input checked="" type="checkbox"/>
Recommendation	↑ ↓	<input type="checkbox"/>
Reviewer Presentation Pref	↑ ↓	<input checked="" type="checkbox"/>
Combine With	↑ ↓	<input checked="" type="checkbox"/>
Comments	↑ ↓	<input checked="" type="checkbox"/>
Upload	↑ ↓	<input type="checkbox"/>
Prior Reviews	↑ ↓	<input checked="" type="checkbox"/>
Submit	↑ ↓	<input checked="" type="checkbox"/>
Links	↑ ↓	<input checked="" type="checkbox"/>
Submission Variable 2	↑ ↓	<input type="checkbox"/>
Submission Variable 3	↑ ↓	<input type="checkbox"/>
Submission Variable 4	↑	<input type="checkbox"/>

[Jump to Top](#)

Save Settings

Cancel

[Copyright Mira Smart Conference 1997 - 2015](#)

2.14.d. Group Chair Role

Customize what Group Chairs can see and do for managing the abstract review and conference program development.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

Chair Settings

Jump to: [Chair Homepage Settings](#)
[Bottom](#)

Chair Homepage Settings

[Save Settings](#)

[Cancel](#)

Name to use for "Chair":

Name to use for "Chairs" (plural):

- ☐ Blind Chairs (Chairs see no author data)
- ☒ Queue Chair blast emails for Project Manager approval before sending
- ☐ Allow Chairs to edit acceptance emails before they are sent
- ☐ Allow Chairs to edit rejection emails before they are sent

Show Reviewer Totals for: ☒ Tracks for Individual Chair Only ☐ All Tracks ☒ Both Tracks for Individual Chair **and** All Tracks

Submission Statuses available to Chairs:

Status	Display	Counts In Total
Withdrawn by Author (-30)	<input type="checkbox"/>	<input type="checkbox"/>
Withdrawn by Admin (-20)	<input type="checkbox"/>	<input type="checkbox"/>
Withdrawn Other (-10)	<input type="checkbox"/>	<input type="checkbox"/>
Withdrawn Combined (-5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unspecified (0)	<input type="checkbox"/>	<input type="checkbox"/>
Waiting for File Upload (10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Waiting for File Upload - notified (15)	<input type="checkbox"/>	<input type="checkbox"/>
Incomplete (40)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Incomplete Notified (45)	<input type="checkbox"/>	<input type="checkbox"/>
Incomplete - Previously Successfully Submitted (50)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submit/Conversion Error (60)	<input type="checkbox"/>	<input type="checkbox"/>
Submit Error - notified (65)	<input type="checkbox"/>	<input type="checkbox"/>

Document Too Large (70)	<input type="checkbox"/>	<input type="checkbox"/>
Document Too Large - notified (75)	<input type="checkbox"/>	<input type="checkbox"/>
Error In Conversion (90)	<input type="checkbox"/>	<input type="checkbox"/>
Error In Distillation (100)	<input type="checkbox"/>	<input type="checkbox"/>
Pending Author Approval (110)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Author Approval - notified (115)	<input type="checkbox"/>	<input type="checkbox"/>
Successfully Submitted (120)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Author Revision (200)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Author Revision - notified (205)	<input type="checkbox"/>	<input type="checkbox"/>
Pending Revision New (210)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Revision Successfully Submitted (220)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Uncombined (225)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transferred (226)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Review (230)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Review - notified (235)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed (partial) (240)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed (Total) (250)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accepted (260)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Accept/Oral (261)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accept/Poster (262)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Combined/Oral (263)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Combined/Poster (264)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rejected (270)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Published (300)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Withdrawn From Consideration (1000)	<input type="checkbox"/>	<input type="checkbox"/>

[Jump to Top](#)

Save Settings

Cancel

[Copyright Mira Smart Conference 1997 - 2015](#)

2.14.e. General Chair and TPC Chair Role

Customize what General Chair and TPC Chair can see to manage the conference.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

Project Manager Settings

Jump to: [Project Manager Homepage Settings](#)
[Project Manager Statistics Settings](#)
[Bottom](#)

Project Manager Homepage Settings [Save Settings](#) [Cancel](#)

Name to use for "Project Manager":

Name to use for "Project Managers" (plural):

Project Manager Statistics Settings [Save Settings](#) [Cancel](#)

Submission Statuses available to Project Managers:

Status	Display	Counts In Total
Withdrawn by Author (-30)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Withdrawn by Admin (-20)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Withdrawn Other (-10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Withdrawn Combined (-5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unspecified (0)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Waiting for File Upload (10)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Waiting for File Upload - notified (15)	<input type="checkbox"/>	<input type="checkbox"/>
Incomplete (40)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Incomplete Notified (45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Incomplete - Previously Successfully Submitted (50)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submit/Conversion Error (60)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submit Error - notified (65)	<input type="checkbox"/>	<input type="checkbox"/>
Document Too Large (70)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Document Too Large - notified (75)	<input type="checkbox"/>	<input type="checkbox"/>
Error In Conversion (90)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Error In Distillation (100)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Author Approval (110)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Author Approval - notified (115)	<input type="checkbox"/>	<input type="checkbox"/>
Successfully Submitted (120)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Author Revision (200)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Author Revision - notified (205)	<input type="checkbox"/>	<input type="checkbox"/>
Pending Revision New (210)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Revision Successfully Submitted (220)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Uncombined (225)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transferred (226)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Review (230)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pending Review - notified (235)	<input type="checkbox"/>	<input type="checkbox"/>
Reviewed (partial) (240)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed (Total) (250)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accepted (260)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accept/Oral (261)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accept/Poster (262)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Combined/Oral (263)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Combined/Poster (264)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rejected (270)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Published (300)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Withdrawn From Consideration (1000)	<input type="checkbox"/>	<input type="checkbox"/>

[Jump to Top](#)

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2.14.f. Client Area HTML

Customize the instructions on the left-hand-side or top of each web page using HTML language. Templates from previous years are there for you to modify from and thus it is not difficult to make change (thus one may not need to be familiar with the HTML language to do the modifications). If you see that instructions in some pages are not clear, it is easy for you to change them quickly (some information is old and should be updated). Your changes will also be used as a template for next year. The instructions are for the following menus:

- (i) Authors.
- (ii) Reviewers.
- (iii) Group Chairs.
- (iv) Staff.
- (v) General Chair and TPC Chair.
- (vi) Global Areas, Login Page, and “Remember Me” page.
- (vii) Copy Client areas from another website to carry settings from year to year for a particular conference. An **IUSDemo** is available for copying in addition to 2016 IEEE IUS and 2017 IEEE IUS.] *



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

Client Area HTML Menu

[Configure Client Area For Author Role](#)

[Configure Client Area For Reviewer Role](#)

[Configure Client Area For Group Chair Role](#)

[Configure Client Area For Staff Role](#)

[Configure Client Area For General Chair and TPC Chair Role](#)

[Configure Client Area For Global Areas, Login Page, and Remember Me Page](#)

[Copy Client Area From Another Website](#)

[Return to Configuration Menu](#)

[Copyright Mira Smart Conference 1997 - 2015](#)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logout](#) [My Info](#)

Client Area HTML

Author Role Client Area Configuration

Page Name: [Authors](#)

```
<br>
<!--

<p><font color = red><b>READ ALL INSTRUCTIONS
BELOW</b></font></p>

<p>
<font size="2"><i>At least one author is required for each
abstract, plus one author <b>must</b> be selected as
presenting author and one for corresponding author. <br><br>
```

Available Images (Click to view)

[Add 1-100.gif](#)
[Add banner.jpg](#)
[Add blue_ieee.jpg](#)
[Add blue_uffc.jpg](#)
[Add footer.jpg](#)
[Add header.txt](#)
[Add icon_color_picture_no_line_s.jpg](#)
[Add Thumbs.db](#)

Available PDFs (Click to view)

[Add Group1_Subcategories.pdf](#)

[Manage Client Files](#)

[Save Settings](#) [Cancel](#)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

Client Area HTML

[Logout](#) [My Info](#)

Reviewer Role Client Area Configuration

Page Name:

Please
click on "View Abstract" to view a PDF rendering of the
abstract on
screen.

To view multiple abstracts at once, use the check boxes to
select the
desired abstracts and then click "Batch Download". You may
sort your
reviews by clicking on the Status, Authors, ID, Title,

Available Images (Click to view)

[Add 1-100.gif](#)
[Add banner.jpg](#)
[Add blue_ieee.jpg](#)
[Add blue_uffc.jpg](#)
[Add footer.jpg](#)
[Add header.txt](#)
[Add icon_color_picture_no_line_s.jpg](#)
[Add Thumbs.db](#)

Available PDFs (Click to view)

[Add Group1_Subcategories.pdf](#)

[Manage Client Files](#)

[Save Settings](#) [Cancel](#)

Group Chairs (there are multiple pages to configure)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logout](#) [My Info](#)

Client Area HTML

Group Chair Role Client Area Configuration

Page Name: AssignSubmissions

```
<br>
<b><u>GROUP</u></b><br>
<b>Assign
Abstracts to a Session (Event)</b><br>
Please type in abstract IDs (for accepted abstracts only)
such as "6, 7,
9, 10, 19, 20" in the "id" field. Then, use the pull-down
```

Available Images (Click to view)

[Add 1-100.gif](#)
[Add banner.jpg](#)
[Add blue_ieee.jpg](#)
[Add blue_uffc.jpg](#)
[Add footer.jpg](#)
[Add header.txt](#)
[Add icon_color_picture_no_line_s.jpg](#)
[Add Thumbs.db](#)

Available PDFs (Click to view)

[Add Group1_Subcategories.pdf](#)

[Manage Client Files](#)

[Save Settings](#) [Cancel](#)

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Staff (there are multiple pages to configure)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logout](#) [My Info](#)

Client Area HTML

Staff Role Client Area Configuration

Page Name:

Available Images (Click to view)

[Add 1-100.gif](#)
[Add banner.jpg](#)
[Add blue_ieee.jpg](#)
[Add blue_uffc.jpg](#)
[Add footer.jpg](#)
[Add header.txt](#)
[Add icon_color_picture_no_line_s.jpg](#)
[Add Thumbs.db](#)

Available PDFs (Click to view)

[Add Group1_Subcategories.pdf](#)

[Manage Client Files](#)

[Save Settings](#) [Cancel](#)

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General Chair and TPC Chair (there are multiple pages to configure)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logout](#) [My Info](#)

Client Area HTML

General Chair and TPC Chair Role Client Area Configuration

Page Name: AssignSubmissions

```
<br>
<b>Assign
Abstracts to a Session (Event)</b><br><br>
Please type in abstract IDs (for accepted abstracts only)
such as "6, 7,
9, 18, 19, 20" in the "ID" field. Then, use the pull-down
menu by each
abstract to assign the abstract into a desired session.
```

Available Images (Click to view)

[Add 1-100.gif](#)
[Add banner.jpg](#)
[Add blue_ieee.jpg](#)
[Add blue_uffc.jpg](#)
[Add footer.jpg](#)
[Add header.txt](#)
[Add icon_color_picture_no_line_s.jpg](#)
[Add Thumbs.db](#)

Available PDFs (Click to view)

[Add Group1_Subcategories.pdf](#)

[Manage Client Files](#)

[Save Settings](#) [Cancel](#)

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Global (there are multiple pages to configure)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logout](#) [My Info](#)

Client Area HTML

Global, Login, and Remember Me Client Area Configuration

Page Name: Global Site Header

```
<p
  ALIGN="CENTER" class="NoNormal">
<span style="color: Navy; font-size: 18pt; font-family:
  "Comic Sans MS";"><b>2017 IEEE
  IUS</b></span><br>
<span style="color: Navy; font-size: 18pt; font-family:
  "Comic Sans MS";"><b>September 6-9, 2017
  </span><br>
<span style="color: Navy; font-size: 16pt; font-family:
  "Comic Sans MS";">Washington, D.C.,
```

Available Images (Click to view)

[Add 1-100.gif](#)
[Add banner.jpg](#)
[Add blue_ieee.jpg](#)
[Add blue_uffc.jpg](#)
[Add footer.jpg](#)
[Add header.txt](#)
[Add icon_color_picture_no_line_s.jpg](#)
[Add Thumbs.db](#)

Available PDFs (Click to view)

[Add Group1_Subcategories.pdf](#)

[Manage Client Files](#)

[Save Settings](#) [Cancel](#)

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Copy Client Area Data (there are many choices)



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logout](#) [My Info](#)

Client Area HTML

Copy Client Area

Select the database to copy
from

IUSDemo

OR Open an *ACCESS* file.
File Location:

[Browse...](#)

No file selected.

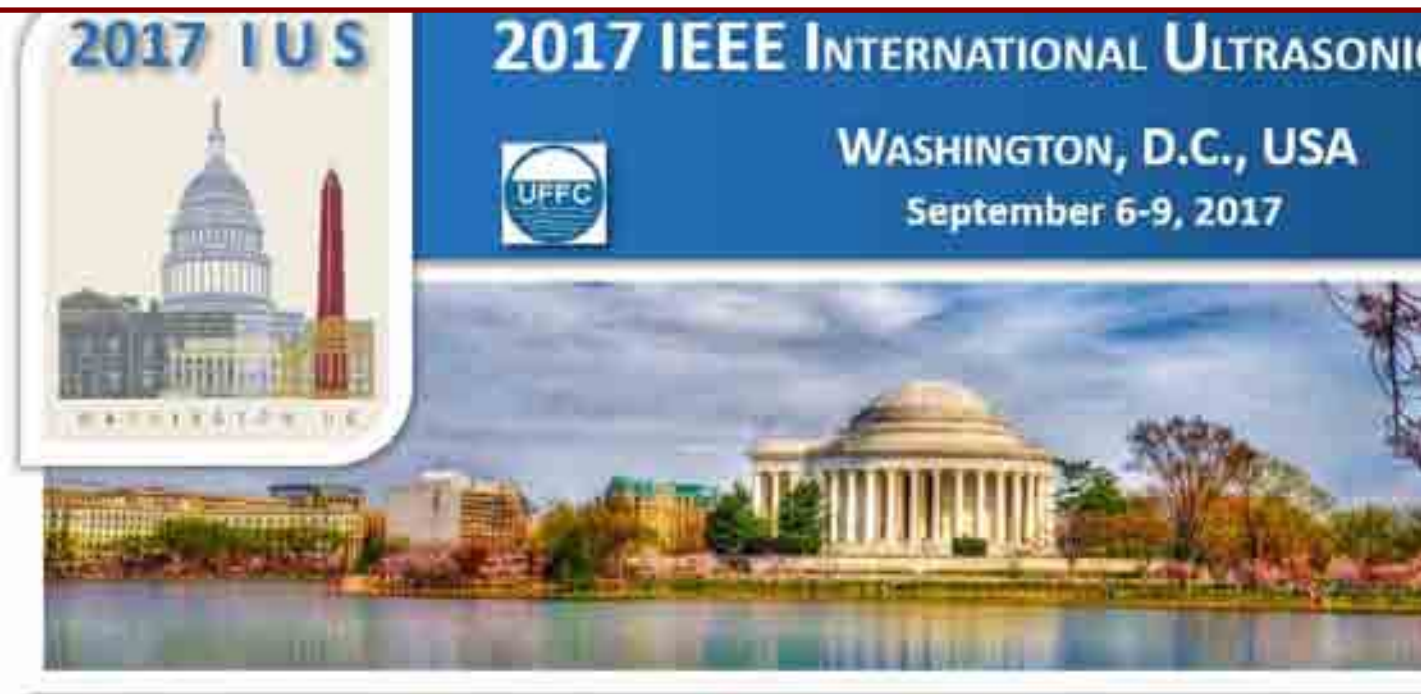
[Copy Client Area](#)

[Cancel](#)

[Copyright Mira Smart Conference 1997 - 2015](#)

2.14.g. Client Images/PDFs

Conference banner images, ieee logo, uffc-s log, and PDF files uploaded for general use.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

Client Files

File to be uploaded:

[Browse...](#)

No file selected.

[Upload File](#)

(185KB of 4882KB total file space used)

Contents of ClientImages directory:

[Delete](#)

[1-100.gif](#)

[Delete](#)

[banner.jpg](#)

[Delete](#)

[blue_ieee.jpg](#)

[Delete](#)

[blue_uffc.jpg](#)

[Delete](#)

[footer.jpg](#)

[Delete](#)

[header.txt](#)

[Delete](#)

[icon_color_picture_no_line_s.jpg](#)

[Delete](#)

[Thumbs.db](#)

Contents of PDF directory:

[Delete](#)

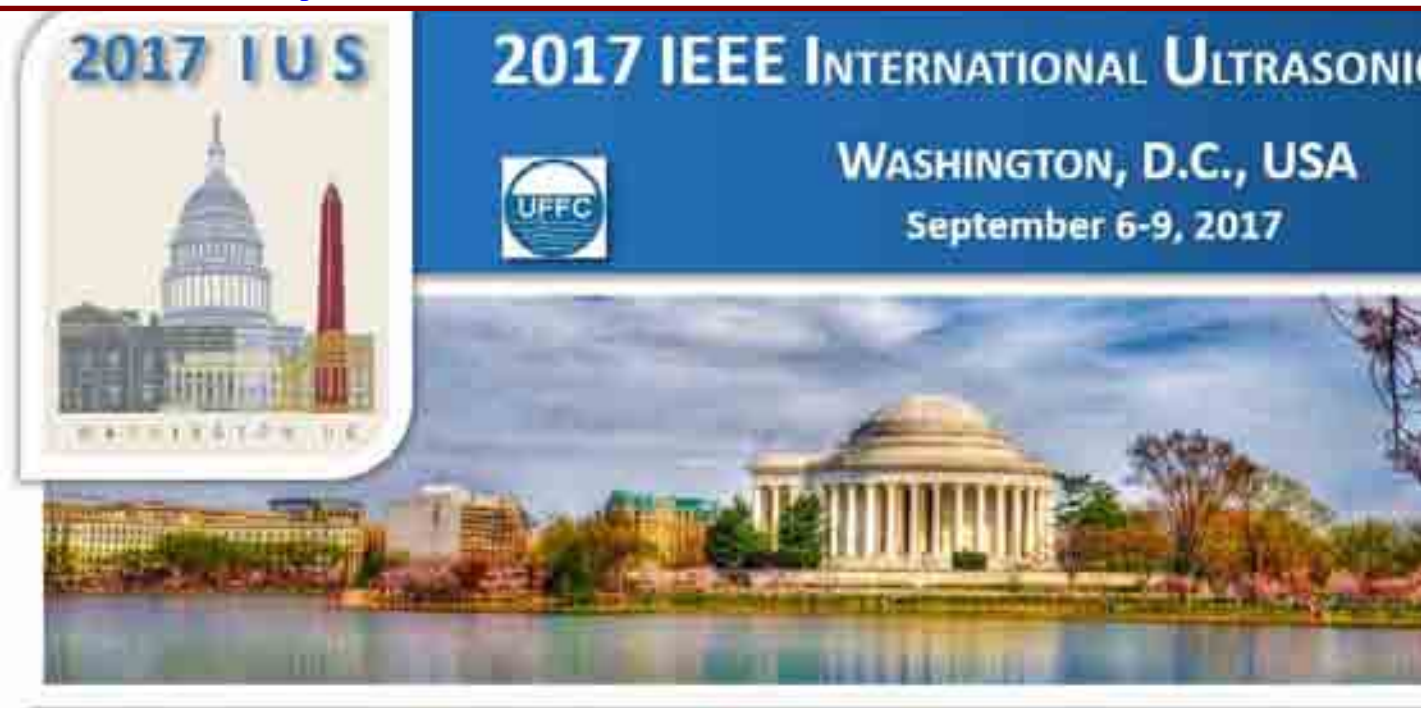
[Group1_Subcategories.pdf](#)

[Return to Configuration Menu](#)

[Copyright Mira Smart Conference 1997 - 2015](#)

2.14.h. All Site Names

Customize names used in specific conferences.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

Site Names

Jump to: [Bottom](#)

Site Names

[Save Settings](#)

[Cancel](#)

Role Names:

"Author":	Author	Plural:	Authors
"Reviewer":	Reviewer	Plural:	Reviewers
"Chair":	Group Chair	Plural:	Group Chairs
"Project Manager":	General Chair and TPC Chair	Plural:	General Chairs and TPC Chairs

Other Names:

"My Info":	User Information		
"Main Author":	Corresponding Author	Plural:	Main Authors
"Special Author":	Presenting Author	Plural:	Presenting Authors
"Supporting Files":	Figures and/or Tables		
"Copyright Agreement":	Copyright		
"Submission":	Abstract	Plural:	Abstracts
"Track":	Group	Plural:	Groups Manage
"Session":	Sub-Group	Plural:	Sub-Groups Manage
"Subject":	Keyword	Plural:	Keywords Manage
"Presentation Preference":	Presentation Preference	Plural:	Presentation Preference Manage
"Abstract":	Abstract	Plural:	Abstracts
"Submission Variable 1":	Are you an Invited Speaker?	Plural:	Variable 1s Manage
"Submission Variable 2":	This is a student Abstract?	Plural:	Variable 2s Manage
"Submission Variable 3":	Do you require student Abstracts?	Plural:	Variable 3s Manage
"Submission Variable 4":	I confirm I have read the Review?	Plural:	Variable 4s Manage
"Review":	Review	Plural:	Reviews
Review "Rating":	Rating	Plural:	Ratings Manage

Review "Recommendation":	Recommendation	Plural:	Recommendations	Manage
Review "Comments":	Comments			
Review "Upload":	Commented Abstracts			

[Jump to Top](#)

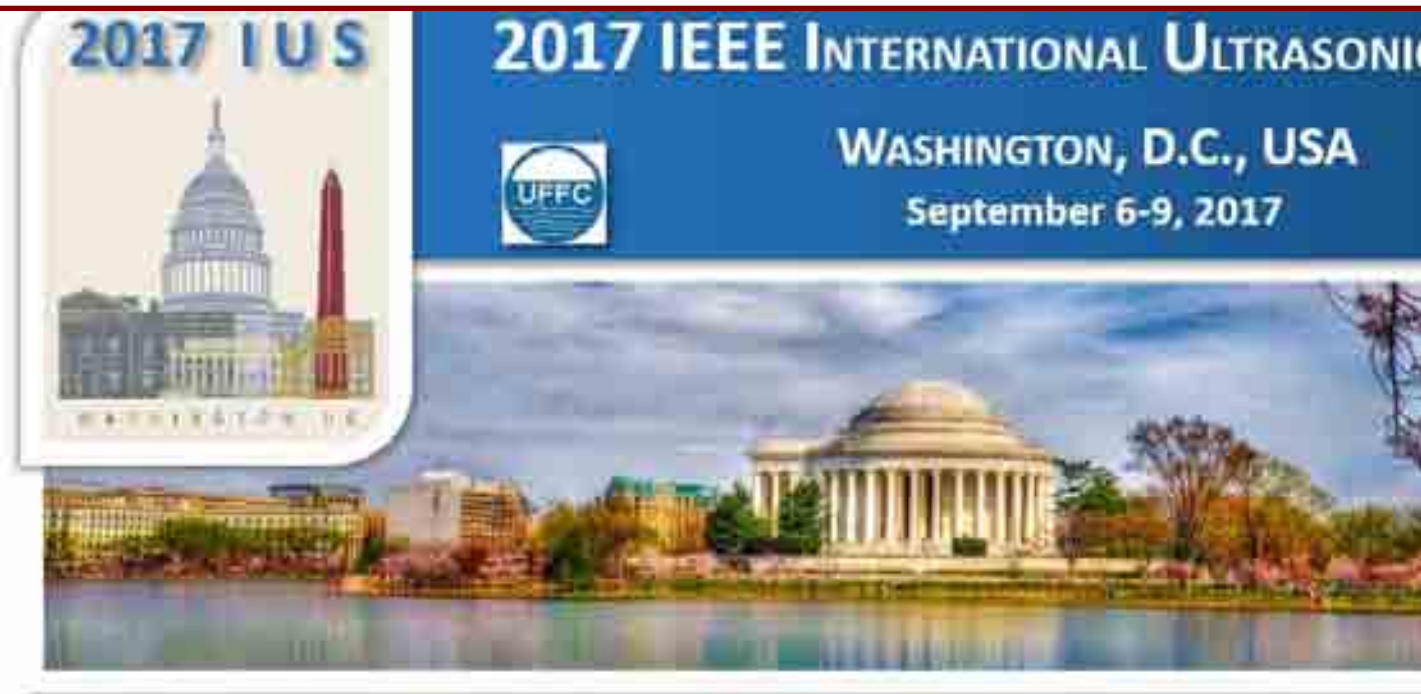
Save Settings

Cancel

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2.14.i. Button Captions

Customize names of buttons in various pages.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#) [My Info](#)

Button Captions

[AuthorHome](#)

[Return to Configuration Menu](#)

[Copyright Mira Smart Conference 1997 - 2015](#)

2.14.j. Batch Download PDF Settings

Customize which tasks (such as “This is a student Abstract”) to show on the PDF abstracts produced for batch download.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

Batch Download PDF Settings

Information for Abstract Separator Pages

Settings for: [Reviewer](#)

☐ **Include separator pages (Must be checked to include separator pages)**

- ☒ Show Title
- ☒ Show "Authors" (Authors)
- ☒ Show "Presentation Preference" (Presentation Preference)
- ☒ Show "Track" (Group)
- ☒ Show "Session" (Sub-Group)
- ☐ Show "Subject" (Keyword)
- ☒ Show "Submission Variable 1" (Are you an Invited Speaker)
- ☒ Show "Submission Variable 2" (This is a student Abstract)
- ☒ Show "Submission Variable 3" (Do you require student travel support?)
- ☐ Show "Submission Variable 4" (I confirm I have read the Manuscript formatting in)
- ☐ Show Date Uploaded
- ☐ Show Additional Text:

Thank you for taking the time to participate in the review process. We hope that the information provided on this page will help you keep track of relevant information for each PDF you have downloaded.

[Save Settings](#)

[Cancel](#)

[Copyright Mira Smart Conference 1997 - 2015](#)

2.14.k. Site Colors

Could not be accessed even with MS Internet Explorer 11. - This does not work.



This page is only accessible using Internet Explorer. [Click here](#) to return to the Site Configuration page.

2.14.1. Allowable File Types

Customize the types of files allowed for uploading by authors during their abstract or proceedings paper submissions.



Author Menu

Reviewer Menu

Group Chair Menu

General Chair and TPC Chair Menu

Welcome: Jian-yu Lu

Logoff

My Info

Jump to: [Bottom](#)

File Types

Save Settings

Cancel

Extension	Application	Allow
DAR	DVI to PDF compiler (archive file)	<input type="checkbox"/>
DGZ	DVI to PDF compiler (archive file)	<input type="checkbox"/>
DOC	Microsoft Word	<input checked="" type="checkbox"/>
DOCX	Microsoft Word 2007	<input checked="" type="checkbox"/>
DVI	DVI to PDF compiler	<input type="checkbox"/>
DVZ	DVI to PDF compiler (archive file)	<input type="checkbox"/>
EPS	Adobe Acrobat Distiller	<input type="checkbox"/>
GZ	TeX to PDF compiler (archive file)	<input type="checkbox"/>
HTM	Microsoft Word	<input checked="" type="checkbox"/>
HTML	Microsoft Word	<input checked="" type="checkbox"/>
PDF	Adobe Acrobat	<input type="checkbox"/>
PPT	Microsoft PowerPoint	<input type="checkbox"/>
PPTX	Microsoft PowerPoint 2007	<input type="checkbox"/>
PRN	Adobe Acrobat Distiller	<input type="checkbox"/>
PS	Adobe Acrobat Distiller	<input type="checkbox"/>
RTF	Microsoft Word	<input checked="" type="checkbox"/>
TAR	TeX to PDF compiler (archive file)	<input type="checkbox"/>
TAZ	TeX to PDF compiler (archive file)	<input type="checkbox"/>
TEX	TeX to PDF compiler	<input type="checkbox"/>
TGZ	TeX to PDF compiler (archive file)	<input type="checkbox"/>
TXT	Microsoft Word	<input checked="" type="checkbox"/>
WK1	Microsoft Excel	<input type="checkbox"/>
WK3	Microsoft Excel	<input type="checkbox"/>

WK4	Microsoft Excel	<input type="checkbox"/>
WPD	WordPerfect	<input checked="" type="checkbox"/>
XLS	Microsoft Excel	<input type="checkbox"/>
XLSX	Microsoft Excel 2007	<input type="checkbox"/>

[Jump to Top](#)

Save Settings

Cancel

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2.14.m. Abstract Conversion Settings

Customize some formatting and number of characters allowed for abstract submissions.

[In “Proceedings Paper Submission” mode, “Enable Abstract Conversion (must notify IT for change to take effect)” checkbox is deselected.]



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

Welcome: Jian-yu Lu

[Logoff](#)

[My Info](#)

Abstract Conversion Settings

Jump to: [General Settings](#)

[Title Settings](#)

[Author and Affiliation Settings](#)

[Body Settings](#)

[Bottom](#)

General Settings

[Save Settings](#)

[Cancel](#)

☒ Enable Abstract Conversion (must notify IT for change to take effect)

☐ Show green "Size OK" behind abstract text

Abstract Length Restrictions

Max Total Pages (Set to 0 to disable):

Max Total Words (Set to 0 to disable):

Max Total Characters (Set to 0 to disable):

Print Size Restrictions

Max Page Height (inches):

Max Page Width (inches):

Title Settings

[Save Settings](#)

[Cancel](#)

☐ Get Title from Database ☒ Use First Line of Body

Title Font:

Title Font Point Size:

Title Style Options:

Bold	Italics	Underlined	All Caps	Alignment
<input type="checkbox"/> Force	<input type="checkbox"/> Allow	<input type="checkbox"/> Allow	<input type="checkbox"/> Deny	<input type="checkbox"/> Justify

Author and Affiliation Settings Save Settings Cancel

☐ Include Author and Affiliation Data

Authors

Author Font: Times New Roman

Author Font Point Size: 10

Author Style Options:

Bold	Italics	Underlined	All Caps	Alignment
Deny	Deny	Deny	Deny	Justify

Special Author Style Options:

Bold	Italics	Underlined	All Caps	Alignment
Force	Deny	Deny	Deny	Left

☐ Display only initials of first and middle names

☐ Display the word "and" before the last author

Affiliations

Affiliation Font: Times New Roman

Affiliation Font Point Size: 10

Affiliation Style Options:

Bold	Italics	Underlined	All Caps	Alignment
Deny	Force	Deny	Deny	Justify

Display Affiliations: ☒ Above Body ☐ Below Body

☒ Insert a line break between authors and affiliations

☐ Display each affiliation on a separate line

☒ Display superscripts even when there is only one affiliation

In addition to Institution, include the following in the displayed affiliations for Main Authors:

- ☒ Department
- ☐ Street Address
- ☒ City
- ☒ State
- ☐ Postal Code
- ☒ Country

In addition to Institution, include the following in the displayed affiliations for All Other Authors:

- ☒ Department
- ☐ Street Address
- ☒ City
- ☒ State
- ☐ Postal Code
- ☒ Country

☐ When displaying State, only show States for US and Canada.

☐ When displaying Country, display all Countries *except* United States.

☐ Factor Institutions (Requires including Department in the displayed affiliation)

Body Settings[Save Settings](#)[Cancel](#)

☒ Apply formatting to abstract body

Body Font: [Times New Roman](#)

Body Font Point Size: [10](#)

Body Style Options:

Bold	Italics	Underlined	All Caps	Alignment
Allow	Allow	Allow	Deny	Justify

[Jump to Top](#)

[Save Settings](#)[Cancel](#)

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2.14.n. ProgramSMART Settings

Customize conference dates, room names, and prevent Group Chair from accidentally changing the technical program after the program is set.



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ProgramSmartSettings.asp

2017 IEEE IUS
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- * [Manage Dates](#)
- * [Manage Rooms](#)
- * [Lock Group Chair Edits \(chairs are currently able to make edits\)](#)

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Manage Lists

Date	Description	Order	Action
Default	Please choose an option below		
2: 2	Thursday, September 7, 2017	⬇	Delete
3: 3	Friday, September 8, 2017	⬆⬇	Delete
4: 4	Saturday, September 9, 2017	⬆	Delete

[Update Descriptions](#)

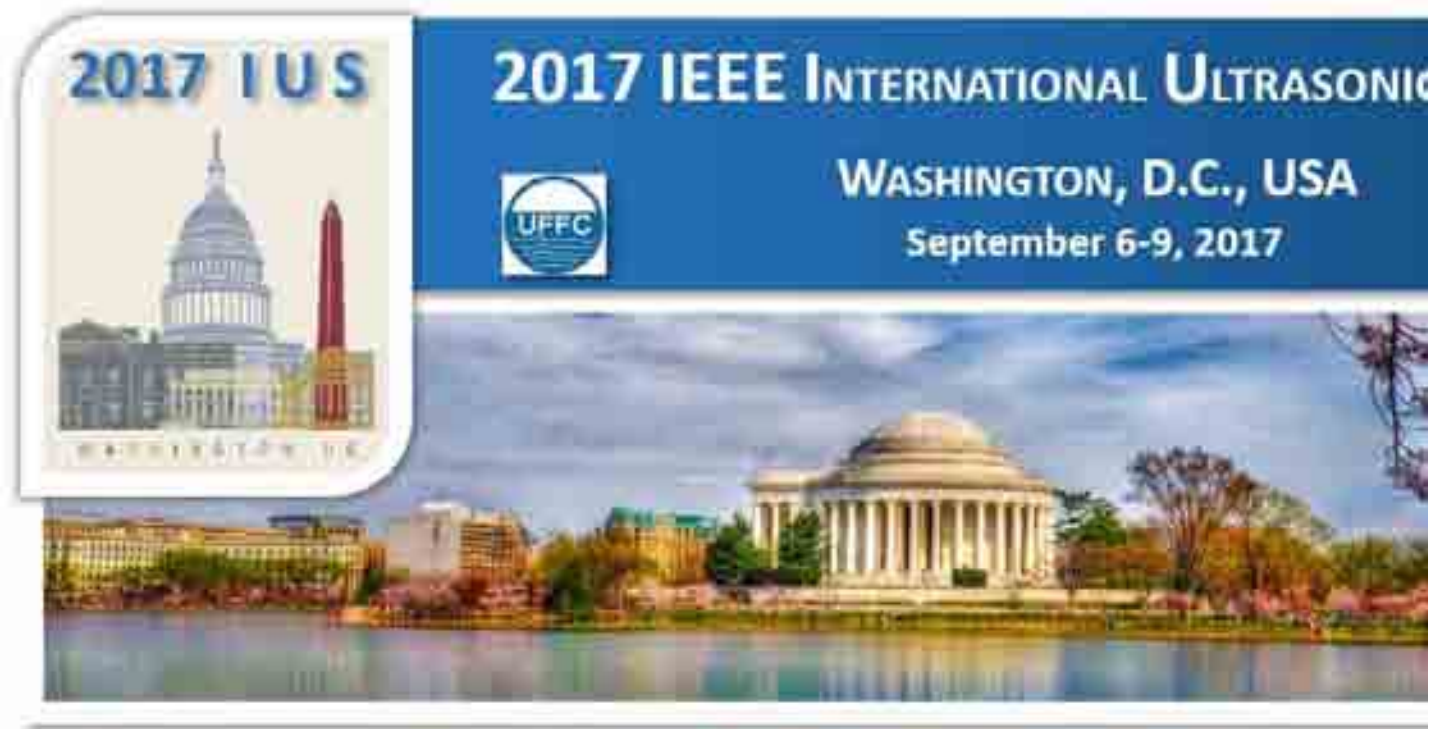
New Date: [Add](#)

Date Batch Add:

[Batch Add](#)

[Return to Configuration](#)

Specify Conference Rooms



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

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Manage Lists

Room	Description	Order	Action
1: 1	Please choose an option below	↓	
2: 2	Regency Ballroom	↓	Delete
3: 3	Ambassador Ballroom	↑↓	Delete
4: 4	Palladian Room	↑↓	Delete
5: 5	Diplomat Room	↑↓	Delete
6: 6	Blue Room	↑↓	Delete
7: 7	Hampton Room	↑↓	Delete
8: 8	Empire Room	↑↓	Delete
23: 9	Exhibit Hall	↑	Delete

[Update Descriptions](#)

New Room: [Add](#)

Room Batch Add:

[Batch Add](#)

[Return to Configuration](#)

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3. Group Chair Menu (12 tasks):

[In “Proceedings Paper Submission” mode, the 12 tasks in this menu are reduced to 8 (3 tasks related to reviewers and 1 task related to student travel support are removed). Also, the word “Abstract” is changed to “Paper”.]



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- * [Quick Search](#)
- * [View My Abstract Lists](#)
- * [View All Abstract](#)
- * [Manage my Reviewers](#)
- * [View Reviewer Lists](#)
- * [Batch Assign Reviewers to Abstract](#)
- * [Send Email](#)
- * [View/Download Reports](#)
- * [View/Download Abstract Data](#)
- * [Batch Sort Abstract Data](#)
- * [Allocate Student Award Money](#)
- * [Program Smart Scheduling](#)

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3.1. Quick Search

Quickly find user account details. The following can be done for the abstracts found:

- (i) The scores, average score, and standard deviation.
- (ii) Batch accept abstracts as oral, batch accept as poster, batch reject.
- (iii) Send blast email to authors or reviewers.
- (iv) Batch download abstracts found.

[In "Proceedings Paper Submission" mode, Item (i) reviewer ratings are not displayed. Also, more table columns are displayed for papers.]



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This page allows you to find in your group abstracts submitted for the 2009 IEEE International Ultrasonics Symposium.

The search may help you find student abstracts, students who requested travel supports, and invited abstracts, etc.

After finding an abstract or a group of abstracts you are interested, you can make decisions for the abstracts, transfer the abstracts to different groups, or to correct the status of any abstract that is mistakenly marked as "Invited".

Please notice that the Mira system will automatically prevent all invited

Abstract Search

Enter your search criteria and click the Find button.

Search for Author by Last Name:
Search for Reviewer by Last Name:
Search for Abstract by Number(s):
Search for Abstracts by Group:
Search for Abstracts by Subgroup:
Search for Abstracts by Status:
Search for Abstract by Keyword:
Search for Abstract by body text/phrase:
Search for Abstract by Presentation Preference:
Search for Abstract by Other:

	Find
	Find
1519	Find
Please choose an option below	Find
Please choose an option below	Find
Please choose an option below	Find
	Find
	Find
Please choose an option below	Find
Please choose an option below	Find

[Group Chair Home](#)

abstracts to be reviewed and thus it is important to correct authors' mistakes if there are any before you start to assign reviewers using "Batch Assign Reviewers to Abstract".

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Abstract List

Search Results for Abstract number(s) = '1519'

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CrossCheck

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This page allows you to make decisions on abstracts for the 2010 IEEE International Ultrasonics Symposium.

Click on the **title** of an abstract to go to the decision page of that abstract. The decision page has options to combine abstracts, correct for Invited Speaker status, reassign abstracts to other groups, and more. The page will also allow you to revert a decision back to an

<u>ID</u>	<u>Title</u>	<u>Invited Speaker</u>	<u>Reviewers</u>	<u>Abstract Status</u>	<u>Group</u>	<u>Completed Reviews</u>	
1519	Speckle Noise Reduction for High-Frame-Rate Imaging	No	Reviewer 1: xxxx Reviewer 2: xxxx Reviewer 3: xxxx Reviewer 4: xxxx Reviewer 5: xxxx Reviewer 6: xxxx Reviewer 7: xxxx	Accept/Oral	Group 1: Medical Ultrasonics	xxxxx	xxxxx 7
							Edit Abstrac

[Batch Accept Oral](#) [Batch Accept Poster](#) [Batch Reject](#)

[Batch Download](#)

☒ Online ☐ via Email

[Send Blast Email](#)

☒ Contact Authors ☐ Reviewers

[Submission Search](#)

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undetermined status.

To make a decision for a group of abstracts quickly, you could select these abstracts by clicking on the check boxes and then click on one of the buttons at the bottom of the page: "Batch Accept Oral", "Batch Accept Poster", or "Batch Reject".

The hyper links under "Reviewers" can be clicked for details.

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3.2. View My Abstract Lists

This task is similar to the “Review Project Statistics” in General Chair and TPC Chair Menu:

- (i) View if every abstract has been taken care of in the program and view abstract statistics.
- (ii) Show details of abstract submission information and review result but it is more restrictive than in the General Chair and TPC Chair menu.
- (iii) “Click `Edit`” to change abstract submission data of authors.

[In “Proceedings Paper Submission” mode, Item (i) shows statistics relevant to the proceedings paper submissions. When click on the links such as “Waiting for File Upload” inside the statistics, it shows the **CrossCheck** results “Word Count”, “Score”, and “Similarity Report” of each paper in the table.]



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ChairStatusList

Group: All

Statistics as of 6/24/2017 11:26:46 AM

Withdrawn Combined	10	?	
Waiting for File Upload	0	?	
Incomplete	0	?	
Incomplete - Previously Successfully Submitted	0	?	
Pending Author Approval	0	?	
Successfully Submitted	0	?	
Pending Author Revision	0	?	
Pending Revision New	0	?	
Revision Successfully Submitted	0	?	
Uncombined	0	?	
Transferred	0	?	
Pending Review	0	?	
Pending Review - notified	0	?	
Reviewed (partial)	0	?	
Reviewed (Total)	0	?	
All Review Status	0		
Accept/Oral	438	?	
Accept/Poster	498	?	
Combined/Oral	5	?	
Combined/Poster	4	?	
Rejected	365	?	
Published	0	?	
Total	1320		

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This page allows you to find in your group abstracts submitted for the 2009 IEEE International Ultrasonics Symposium according to abstract statuses.

After clicking a status category, you can make decisions for the abstracts, transfer the abstracts to different groups, or to correct the status of any abstract that is mistakenly marked as "Invited".

You can also revert your decisions made previously when you go to the decision pages of abstracts listed.

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3.3. View All Abstract

List abstracts using different filters. It is similar to “Abstract List” in General Chair and TPC Chair menu but it is much more restrictive in terms of information provided.

[In “Proceedings Paper Submission” mode, it is similar to abstract submissions but the status is changed to paper status.]



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ChairSubmissionListAll

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Filter by Status:
Filter by Group:

Abstract ID	Abstract Title	Status	Group	Subgroup	Submitter
1593		Incomplete	Please choose an option below	Please choose an option below	Mira Admin

[Please click here to return to the IUS 2017 website](#)

[Group Chair Home](#)

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This page allows you to view abstracts of all 5 groups of the Technical Program Committee of the 2009 IEEE International Ultrasonics Symposium and reassign among groups abstracts misclassified by authors.

Please click the title of the abstract and then do the reassignment.

The filter near the top may help you to find abstracts of interest.

For support, call
866-341-9589 between the
hours of 8:00 am and 5:00

3.4. Manage my Reviewers

Add reviewers one-by-one using email addresses.

[In “Proceedings Paper Submission” mode, this task is removed.]



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Manage Reviewer List

2017 IEEE IUS September 6-9, 2017 Washington, D.C., USA	Action	Name	Email Address
	Email:	<input type="text"/>	<input type="button" value="Add Reviewer"/> <input type="button" value="Group Chair Home"/>

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This page allows you to add reviewers into the system so that you could assign abstracts to them with "Batch Assign Reviewers to Abstract" in your Group Chair's menu.

For each Reviewer you wish to add, enter the person's e-mail address and click on "Add Reviewer".

1. If the person is already in the database, their name and e-mail address will appear. Please click

on "Add" to include them as a reviewer.

2. If the person is not in the database, enter the required information into the page that pops up and click on "Create Reviewer" to add the person as a reviewer.

Click on Chair Home or Chair Menu to return to the Chair Home Page.

"Action" Definitions

View the Reviewer personal information.

Edit the Reviewer personal information. (Available only to the Chair who added the Reviewer.)

Delete a Reviewer (If a Reviewer has an abstract assigned, the abstract must be reassigned before the current Reviewer can be deleted.)

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3.5. View Reviewer Lists

Display reviewers invited by the Group Chair.

[In “Proceedings Paper Submission” mode, this task is removed.]



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ChairReviewerList

Reviewer	Pending	Complete	Total
You haven't added any to your list yet. Click here to do so.			
*Values in parentheses denote calculations across all Groups			

Group Chair Home

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This page gives you a glance at all reviewers you have assigned for the 2009 IEEE International Ultrasonics Symposium.

The clock symbol means average days to review abstracts.

For support, call 866-341-9589 between the hours of 8:00 am and 5:00 pm, CST, Monday-Friday, or send an e-mail to

3.6. Batch Assign Reviewers to Abstract

Assign groups of abstracts to groups of reviewers with only a few clicks of buttons.
[In “Proceedings Paper Submission” mode, this task is removed.]



Author Menu Reviewer Menu Group Chair Menu General Chair and TPC Chair Menu

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Batch Assign

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Please notice that the system will automatically prevent all invited abstracts to be reviewed and thus it is important to correct authors' mistakes if there are any before you start to assign reviewers. To find all invited abstracts in your group, please use "Quick Search" in the Group Chair Home page.

You can use the filter near the top to find abstracts in a subgroup and then click "Select All" on the bottom in the "Abstract" column. Then, the

Filter by Sub-Group: Clinical

Abstracts			ID	Title	Reviewers
<input type="checkbox"/>	1491	Shear Wave Speed: Becoming a Clinically Valuable Biomarker			You have no Reviewers assigned to your list yet. Click here to add some.
<input type="checkbox"/>	1589	High Intensity Therapeutic Ultrasound in the Brain			
<input type="checkbox"/>	1590	Frontiers in elastography including ultrasound and other modalities			
<input type="checkbox"/>	1591	Frontiers in image-guided intervention including ultrasound and other modalities			
			Select All		
					Cancel

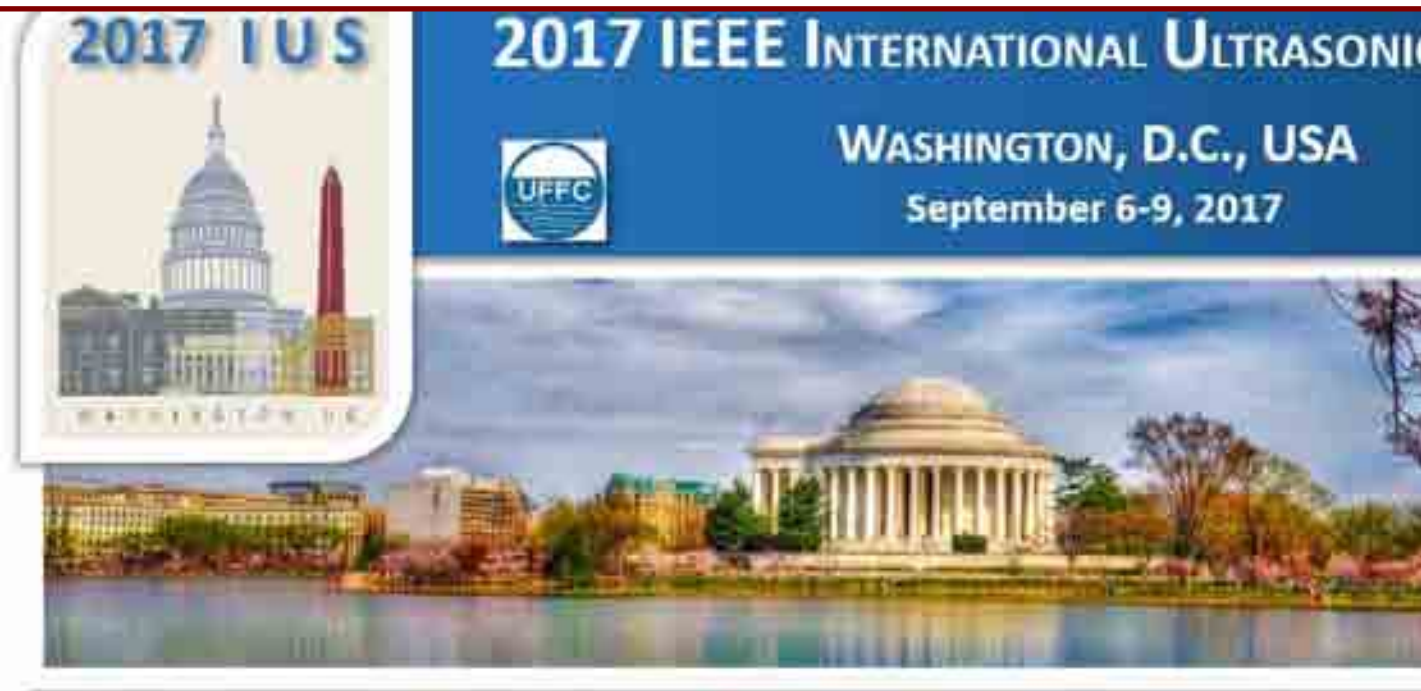
entire subgroup can be assigned to any number of reviewers you select on the right. Or, you can select part of the abstracts within a subgroup to assign to reviewers.

If the system detects that some of abstracts are assigned to their authors, it will display those abstracts not assigned after you click the "Assign" button. For example, you can't assign your abstracts to yourself to review.

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3.7. Send Email

Create and send blast emails to groups of people.



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Blast Email Manager

[Create Blast Email](#)

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Unprocessed Emails

Blast ID Recipients Created Processed Sample Subject

None

Sent Emails

Blast ID Recipients Created Processed Sample Subject

None

Cancelled Emails

Blast ID Recipients Created Processed Sample Subject

None

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3.8. View/Download Reports

Five types of reports can be created. When a report is created, it is automatically logged in “Manage Reports” of the General Chair and TPC Chair menu:

(i) Submission. (It can be saved as an MS Excel-compatible .csv file that is the same as the one designed by the 2008 IEEE IUS but does not contain some reviewer data with the number of columns reduced from 92 in 2008 to 34 in 2017.)

(ii) Sub-Group Abstract Count. (It has 2 columns to show the number of abstracts submitted in each sub-area such as “MBB” of Group I.)

(iii) Abstract and Reviewer Data. (This is what Group Chairs use for technical program development and it may take a while to produce due to the size of the report, especially, when the data are from all 5 Groups. If you have trouble to produce the report due to browser time out, you could ask Mira to download it for you.)

(iv) Overview of Abstract Reviews. (It is the same as “Abstracts and Reviewer Data” above but contains much less data.)

(v) Schedule Abstract. (This report is the same as the one designed by the 2008 IEEE IUS with 25 columns and the information in this report is mainly used for proceedings paper management after the website is converted from abstract submissions to proceedings paper submissions. Multimedia paper submission has been taken into consideration in this report.)

[In “Proceedings Paper Submission” mode, Items (i)-(iv) only shows rejected abstracts and their data columns are the same as those in abstract submissions, and Item (v) shows paper submissions and is the key file for the conference Proceedings Editor.]

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ChairChooseReport

Create a report about

[Create a New Report](#)

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Report on Abstract Submissions (please pay attention to the fields below to see what information is available for you to download as a .csv file viewable by MS Excel - it contains the same columns as customized by 2008 IEEE IUS)

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MBB Medical Beamforming and Beam Steering
MBE Biological Effects & Dosimetry
MBF Blood Flow Measurement
MCA Contrast Agents
MEL Elastography
MIM Medical Imaging
MPA Medical Photoacoustics
MSD System & Device Design
MSP Medical Signal Processing
MTC Medical Tissue Characterization
MTH Therapeutics, Hyperthermia, and Surgery

Number of Abstract

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ID	Authors	Presenting Author Institution	Presenting Author Country	Presenting Author Email	Title	Sub-Group	Presentation Preference	Student Submission	Student Competition	Travel Support	Student Lab Name	Advisor Name	Thesis Date	IEEE Member #	Keywords	Mean	Standard Deviation	# of Combines	Combine With	Reviewer Presentation Preference
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5	Kath Wiser	FDA	USA	kath.wiser@fda.hhs.gov	Mrs Test	MTN Therapeutics, Hypertension, and Surgery	Oral	False	False	False					test, apple, banana, grapes			0		
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[illegible]

Magnetostrictive
ultrasound imaging
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Sonics

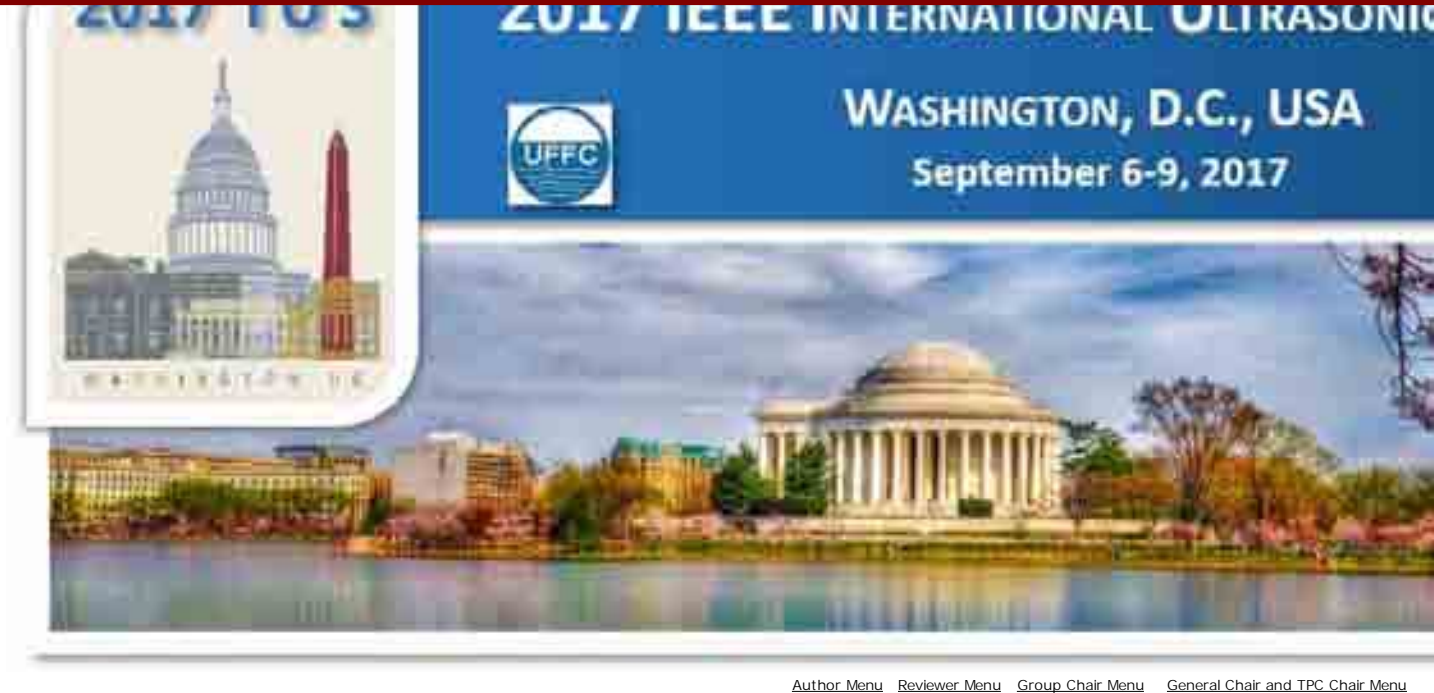
Speckle Reduction,
High-Frame-Rate
Imaging, Limited-
Diffraction Beams

It displays abstract and reviewer information and is about the same as that in (iii) of Task 3.8 above. The report produced is logged in “Manage Reports” of the General Chair and TPC Chair menu. **Group Chairs use the data to manage the technical program development.** It may take a while to display the data due to the size of the data, especially, when the data are from all 5 Groups (when one is assigned as Group Chairs in all 5 Groups). You could ask Mira to download it for you if it times out in your browser.

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3.10. Batch Sort Abstract Data

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Sort

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Sort by:

Sort by:

Filter

Group:
Group 2: Sensors, NDE & Industrial Applications
Group 3: Physical Acoustics
Group 4: Microacoustics – SAW, FBAR, MEMS
Group 5: Transducers & Transducer Materials

Subgroup:
MBF Blood Flow Measurement
MCA Contrast Agents
MEL Elastography
MIM Medical Imaging

Status:
Reviewed (partial)
Reviewed (Total)
Accepted
Accept/Oral

Apply Options Reset All Filters

ID		Title	Group	Subgroup	Status
16	<input type="checkbox"/>	Two Stage Sub-Wavelength Motion Correction in Human Microvasculature for CEUS Imaging	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
28	<input type="checkbox"/>	Improved Left Ventricular Wall Visualization in Stress-Echocardiography using Real-Time GPU-Based Harmonic Spatial Coherence Imaging	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral

1133	<input type="checkbox"/>	Translation of Fetal Short-lag Spatial Coherence (SLSC) Imaging into Clinical Practice: A Pilot Study	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1141	<input type="checkbox"/>	Ultrafast ultrasound imaging of the heart: from 2D to 3D quantitative imaging of the myocardium and blood flows	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1319	<input type="checkbox"/>	Investigating the impact of elevated acoustic output in B-mode harmonic imaging and harmonic motion tracking	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1345	<input type="checkbox"/>	Imaging of Tissue Displacement During Focused Ultrasound Neuromodulation <I>In Vivo</I>	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1384	<input type="checkbox"/>	A deep learning approach to ultrasound image recovery	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1439	<input type="checkbox"/>	Ultrasound bandwidth enhancement through pulse compression using a CMUT probe	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1440	<input type="checkbox"/>	Volumetric imaging of fast mechanical waves in the heart using a clinical ultrasound system: a feasibility study	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1450	<input type="checkbox"/>	Super-Resolution Ultrasound to Aid Testicular Lesion Characterisation	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1512	<input type="checkbox"/>	Acoustoelectric Imaging of Time-Varying Current Produced by a Clinical Deep Brain Stimulator	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1519	<input type="checkbox"/>	Speckle Noise Reduction for High-Frame-Rate Imaging	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral
1543	<input type="checkbox"/>	Pulse wave velocity (PWV) and compliance estimation and mapping using pulse wave imaging (PWI) in healthy, stenotic and post-endarterectomy carotid arteries <I>in vivo</I>	Group 1: Medical Ultrasonics	MIM Medical Imaging	Accept/Oral

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ID	Abstract Title	Travel Support Requested	Contact	Location	Status	Amount
14	Towards real-time magnetomotive ultrasound imaging	No	Maria Evertsson	Lund, N/A Sweden	Accept/Poster	\$ <input type="text"/>
16	Two Stage Sub-Wavelength Motion Correction in Human Microvasculature for CEUS Imaging	No	Sevan Harput	London, N/A United Kingdom	Accept/Oral	\$ <input type="text"/>
17	Localisation of Multiple Non-Isolated Microbubbles with Frequency Decomposition in Super-Resolution Imaging	No	Sevan Harput	London, N/A United Kingdom	Accept/Oral	\$ <input type="text"/>
19	Therapeutic Ultrasound System Transducer Coupling Fluid Management System	No	Ralf Seip	Charlotte, NC USA	Accept/Poster	\$ <input type="text"/>
21	Design and In-Vivo Evaluation of Next-Generation Laparoscopic HIFU Kidney Probe	No	Ralf Seip	Charlotte, NC USA	Accept/Oral	\$ <input type="text"/>
22	Acoustic-transfection for gene editing using high frequency ultrasound	No	Sangpil Yoon	Los Angeles, CA USA	Accept/Oral	\$ <input type="text"/>
28	Improved Left Ventricular Wall Visualization in Stress-Echocardiography using Real-Time GPU-Based Harmonic Spatial Coherence Imaging	No	Dongwoon Hyun	Palo Alto, CA USA	Accept/Oral	\$ <input type="text"/>
29	Reduced Jitter in Displacement Estimation Using the Spatial Coherence of Backscatter	No	Dongwoon Hyun	Palo Alto, CA USA	Accept/Poster	\$ <input type="text"/>
31	Combining Nakagami imaging and convolutional neural networks for breast lesion classification	Yes	Michał Byra	Warsaw, N/A Poland	Accept/Poster	\$ <input type="text"/>
36	Targeted brain BRICHOS domain delivery induced by focused ultrasound for the treatment of Alzheimer's disease	No	Carlos Sierra Sanchez	New York, NY USA	Accept/Oral	\$ <input type="text"/>
45	An Evaluation of Microwave Diathermy Systems Using Temperature Increase Distributions Produced by Ultrasound Imaging Techniques	No	Yasuhiro Shindo	Saitama, N/A Japan	Accept/Poster	\$ <input type="text"/>
56	3-D Imaging Using Row-Column Addressed 2-D Arrays with a Diverging Lens: Phantom Study	No	Hamed Bouzari	Lyngby, N/A Denmark	Accept/Oral	\$ <input type="text"/>
60	Random Incident Sound Waves for Fast Compressed Pulse-Echo Ultrasound Imaging	No	Martin Schiffner	Bochum, N/A Germany	Accept/Oral	\$ <input type="text"/>
66	Repeated hippocampal blood-brain barrier opening controlled via three-dimensional transcranial acoustic imaging: safety study in a porcine model	No	Ryan Jones	Toronto, Ontario Canada	Accept/Oral	\$ <input type="text"/>

1589	High Intensity Therapeutic Ultrasound in the Brain	No	Jeff Elias	Charlottesville, Virginia USA	Accept/Oral	\$ <input type="text"/>
1590	Frontiers in elastography including ultrasound and other modalities	No	Brian Garra	Please add, Please add USA	Accept/Oral	\$ <input type="text"/>
1591	Frontiers in image-guided intervention including ultrasound and other modalities	No	Keyvan Farahani	Rockville, Maryland USA	Accept/Oral	\$ <input type="text"/>

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3.12. Program Smart Scheduling

After abstracts are reviewed and decisions are made, this task arranges the accepted abstracts into sessions of the conference program. There are sub-menus in this menu. This task is the same as “ProgramSMART” in the General Chair and TPC Chair menu. Please check the General Chair and TPC Chair menu for details.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

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GROUP

Events At a Glance:

Overview sessions (events) of each day in a single page.

Manage Event List:

Manage sessions (events) of the entire conference (three days) in a single page.

Assign Submissions To Events:

Batch assign abstracts indicated by IDs (use "Search") into each session (event).

View Author Conflicts:

Display any author conflicts.

- * [Events At a Glance](#)
- * [Manage Event List](#)
- * [Assign Submissions To Events](#)
- * [View Author Conflicts](#)
- * [Program Smart Errata](#)
- * [View Session Chair Invitation Report](#)
- * [View Program Book Report](#)

[Return Home](#)

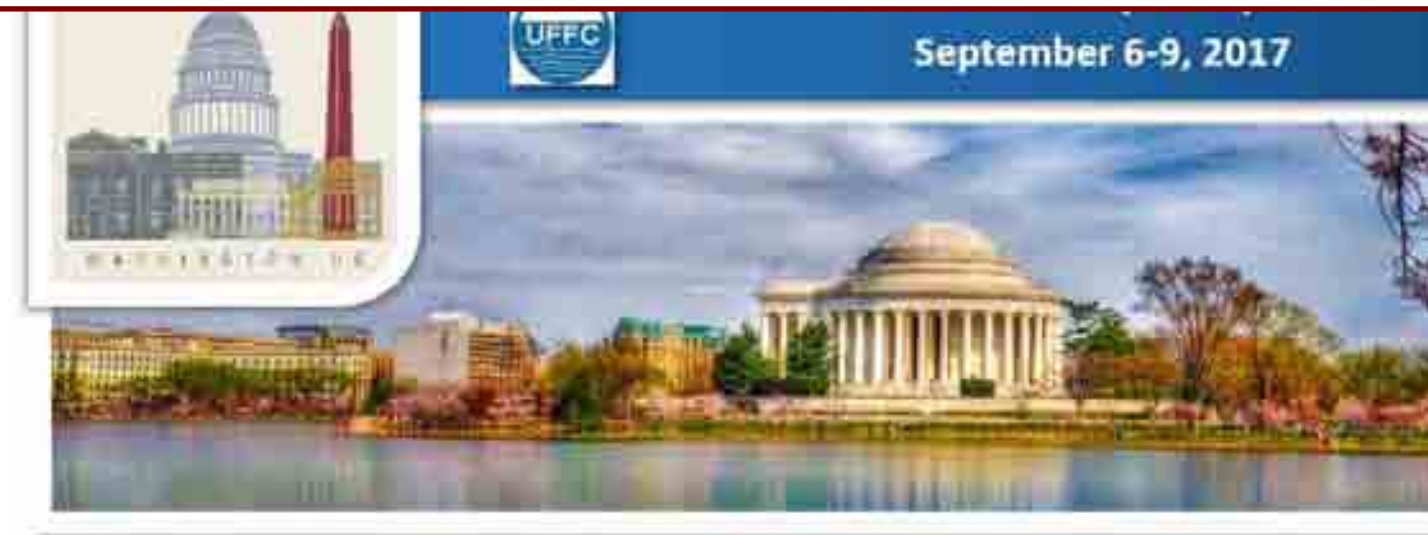
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ProgramSmarHome

4. Reviewer Menu (3 tasks):

4.1. User Information



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User Information

Fields with a ✓ are required.

Salutation:

Please Choose an Option Below

First Name:

Jian-yu ✓

Middle Name:

Last Name:

Lu ✓

Email Address:

jilu@eng.utoledo.edu ✓

Institution:

Univ. of Toledo ✓

Department:

Job Title:

Street Address:

City:

State:

Postal Code:

Country:

Please choose an option below

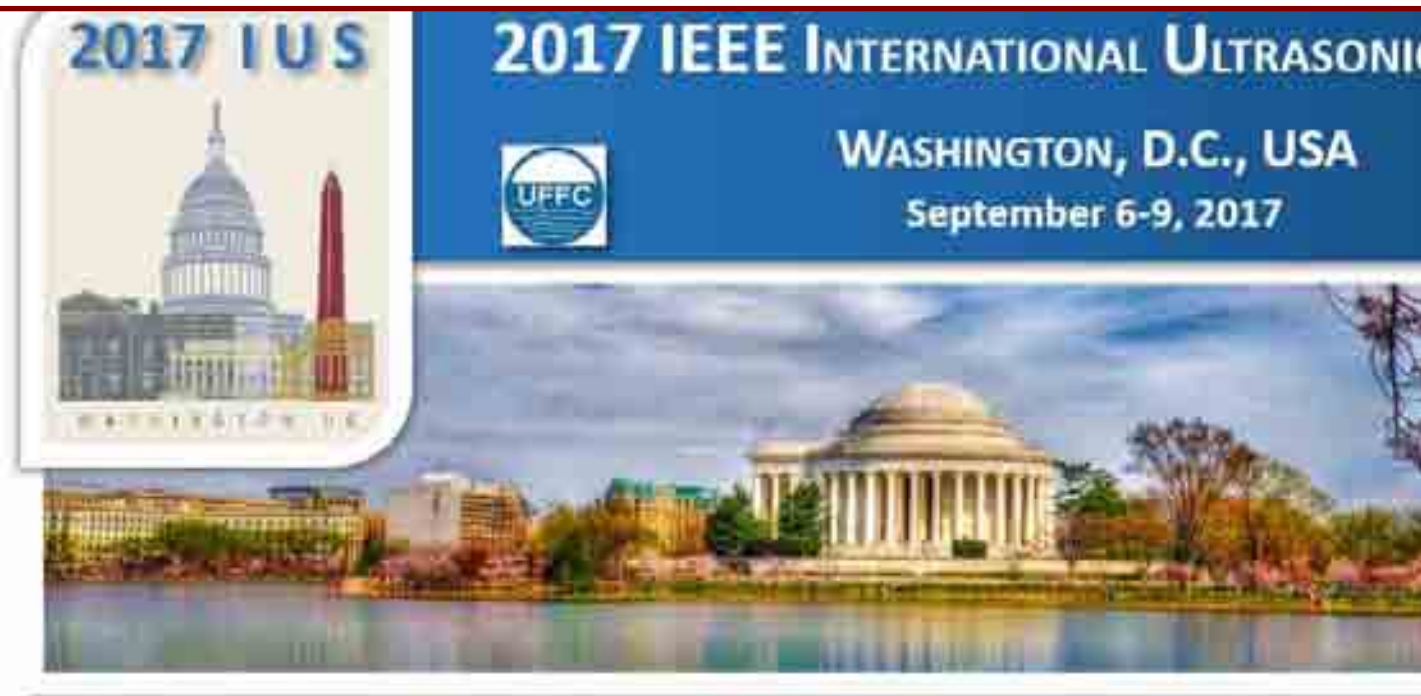
Phone:

Fax:

Review, update and Continue

4.2. Reviewer Home

Home page that display all abstracts assigned and to be reviewed.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

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Reviewer Home - Active Reviews

You have no Active Reviews.

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Abstracts will be included in your batch downloaded PDF file in the order they appear on screen. You may view the PDF abstracts either online or have a file emailed to you.

Please click on "Review Form" to enter your rating and comments on the next screen.

To view statistics of your review, please
click the "Reviewer Statistics" link.

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Please Read before Completing your Reviews

- For each abstract it is required to enter a rating (if poor is selected you must select a reason).
- If your rating is "Excellent", "Good", or "Average", you are required to select a Presentation Preference.
- If you select "Transfer" as your rating, you are required to enter a comment.
- If necessary you can identify an abstract to be combined with another and add any comments.
- **IMPORTANT:** As you make each selection it will NOT save until you click the "Save Scores" button located at the top and bottom of the page.
- Please notice the "Status" column. This will show you if your review is marked as "complete" or "incomplete".
- **BATCH DOWNLOAD ABSTRACTS** – To batch download the abstracts, place a check next to each ID you wish to score, scroll to the bottom and click the "Batch Download" button below all the reviews. *Note: By default all rows are selected.*

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You have Completed 0 of 89 Reviews.

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Please click on "Review Form" to enter your rating and comments on the next screen.

To view statistics of your review, please click the "Reviewer Statistics" link.

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Status	ID	Links	Title	Sub-Group	Pres Pref	Invited Paper	Student Paper	Rating	What Presentation Preference is this Abstract better suited for:	Should this Abstract be combined with another Abstract? Combine with Abstract ID:	Comments	Submit
Incomplete	34	View Abstract	XXXXXXXXXX XXXXXX	MBF Blood Flow Measuremen	Oral	No	Yes	Please select an option below If poor rating is given, please provide a reason: Please select an option below	Please choose an option below			Save Scores

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4.3. Review Statistics

Display a summary of the review result.



[Author Menu](#) [Reviewer Menu](#) [Group Chair Menu](#) [General Chair and TPC Chair Menu](#)

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ReviewerStatistics

Total reviews assigned to me:	0
Completed reviews:	0
Mean for my reviews:	NaN
Standard deviation for my reviews:	
Total No Response:	0
Total Accept:	0
Total Marginally Accept:	0
Total Marginally Reject:	0
Total Reject:	0
Total Abstain:	0
Total Transfer:	0

ID	Title	Status	Rating	Comments
----	-------	--------	--------	----------

[Reviewer Home](#) [Printer Friendly Version](#)

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5. Author Menu (9 tasks):

Nine sequential steps are needed to complete submitting an abstract. Information collected during abstract submission is used in the subsequent technical program development and management of the conference. **This information is also used for conference proceedings development** since only authors with accepted abstracts are allowed for proceedings paper submissions.

[In “Proceedings Paper Submission” mode, the steps for paper submissions are similar to abstract submissions below but different.]

5.1. Login Information

[Modify user name and password.](#)

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Country:
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Jian-yu ✓

Lu ✓

The University of Toledo ✓

2801 West Bancroft Street ✓

Toledo ✓

USA ✓

OH ✓

43606 ✓

(419)530-8079 ✓

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5.3. Author Home

Abstract submission home page. The display may change when abstract status is changed:

- (i) "Create a new abstract" waiting for new abstract submission.
- (ii) "Incomplete" if an abstract submission is not completed.
- (iii) "Successfully Submitted" when an abstract is submitted successfully.
- (iv) Display decision of an abstract (accepted as oral, accept as poster, and reject, etc).
- (v) Show "Recording Consent" for abstracts accepted for oral presentations.
- (vi) Allow authors to see email history of communication with the conference, which is useful in case emails are lost due to email junk filters.

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My Abstracts

Action	ID	Type	Title	Consent to Record	Status
Continue Delete	1519	Contributed		Consent is not needed at this time	Incomplete(Incomplete)

[Create a New Abstract](#)

[Email History](#) [Create New Abstract](#)

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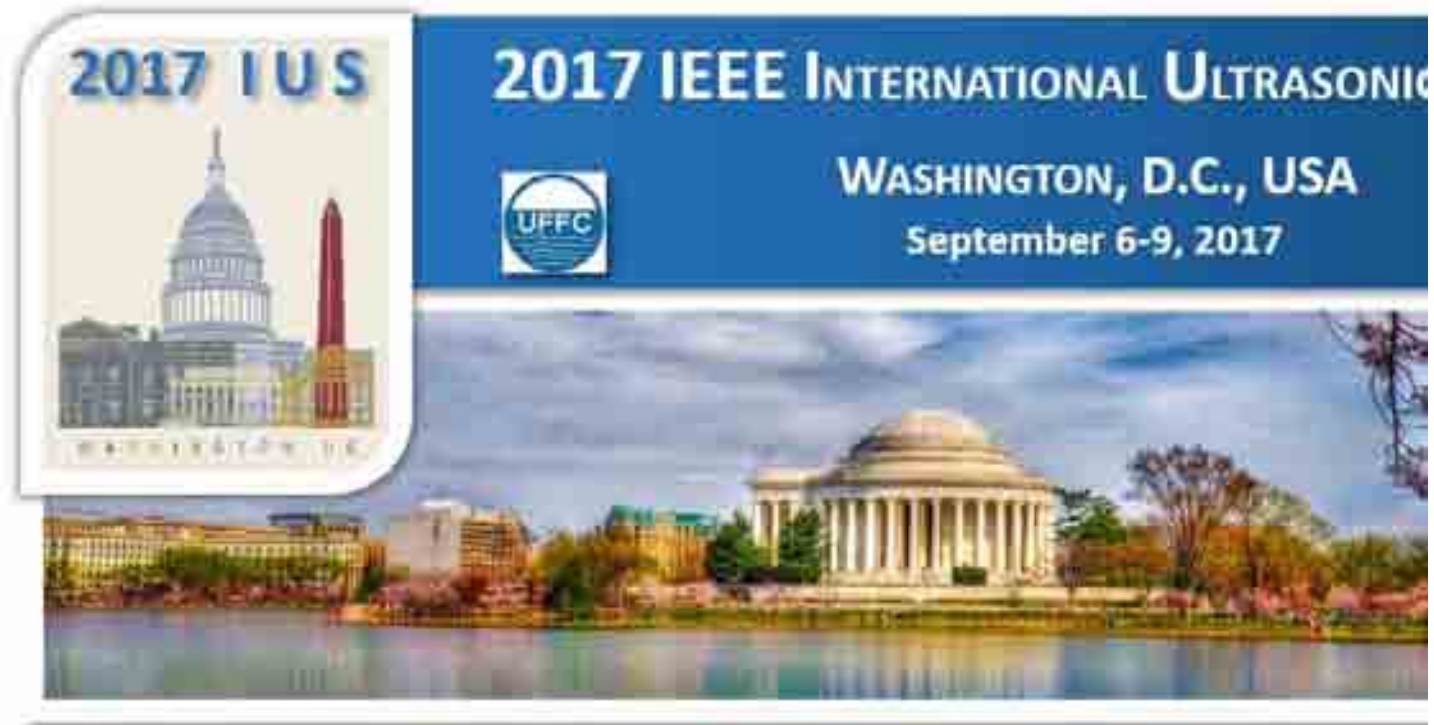
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Action	ID	Type	Title	Consent to Record	Status
View Abstract Edit Delete	1519	Contributed	Speckle Noise Reduction for High-Frame-Rate Imaging	Consent is not needed at this time	Successfully Submitted

[Create a New Abstract](#)

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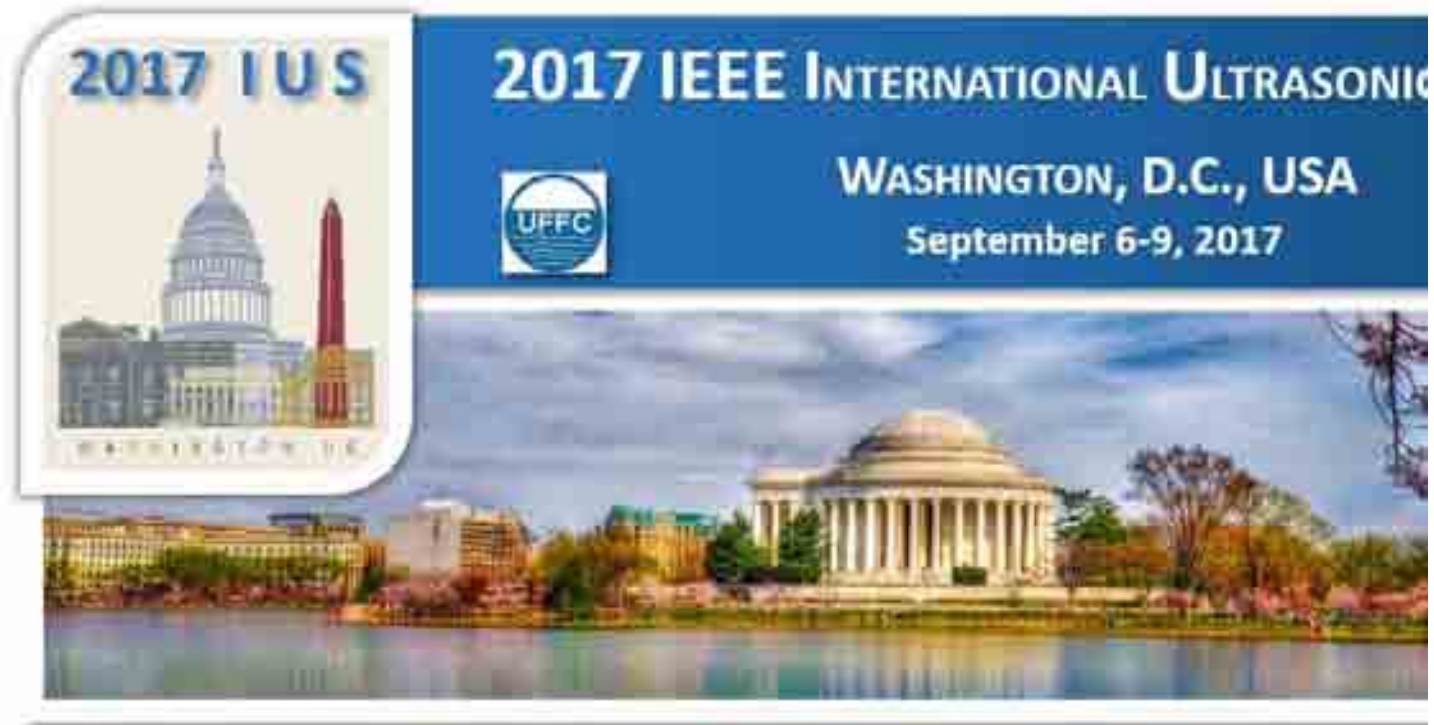
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Action	ID	Type	Title	Consent to Record	Status
View Abstract	1519	Contributed	Speckle Noise Reduction for High-Frame-Rate Imaging	Click here to complete consent form	Accept/Oral

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Action	ID	Type	Title	Consent to Record	Status
View Abstract	1519	Contributed	Speckle Noise Reduction for High-Frame-Rate Imaging	Jian-yu Lu granted consent to record this presentation on 6/10/2017 5:21:01 PM	Accept/Oral

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You are scheduled to give the following presentation:

Abstract ID	1519
Abstract Title	Speckle Noise Reduction for High-Frame-Rate Imaging
Session ID	2J
Session Name	MIM: Improving image quality and analysis
Program Number	
Day	Saturday, September 9, 2017
Time	01:30 PM - 01:45 PM
Room	Ambassador Ballroom

Do you give your consent to have your presentation recorded?

- ☒ **Yes, I give my consent**
☐ **No, I do not give my consent**



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2017 IEEE IUS
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Date

Subject

6/6/2017 1:55:40 PM	Accepted as Oral Presentation - Abstract ID: 1519 - 2017 IEEE International Ultrasonics Symposium
4/7/2017 12:08:20 PM	Review of Abstracts - 2017 IEEE International Ultrasonics Symposium Review Deadline
4/2/2017 2:08:27 AM	Submission Confirmation - Abstract ID: 1519 - 2017 IEEE International Ultrasonics Symposium
4/2/2017 2:00:33 AM	Submission Confirmation - Abstract ID: 1519 - 2017 IEEE International Ultrasonics Symposium
4/1/2017 9:36:22 PM	Login Information - 2017 IEEE IUS Abstract Submission

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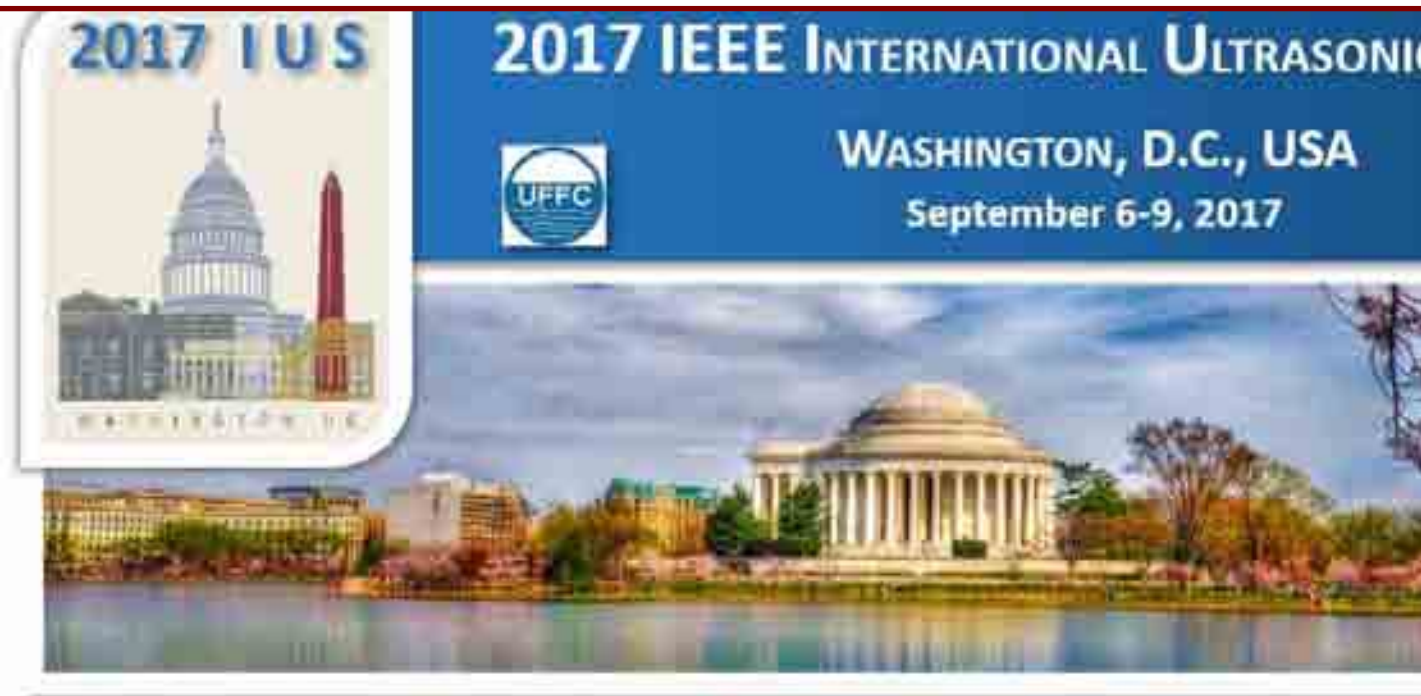
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Enter author information of the abstract.



2 of 6 Steps Complete

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[Authors](#)

[Abstract Information](#)

[Abstract](#)

[Figures and/or Tables](#)

[Proofread](#)

[Submit](#)

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Abstract ID: 1519

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Authors

Promote	Demote	Copy this Affiliation	Delete	Name
				Jian-yu Lu¹ <i>¹Bioengineering, The University of Toledo, OH, USA</i>
				Jian-yu Lu (Corresponding) (Presenting)

Fields with a ✓ are required.

Author Type: ☒ Corresponding Author ✓
☒ Presenting Author ✓

First Name: ✓

Last Name: ✓

Email Address: ✓

If the institution is identical to an author that is already listed please click on the "Copy this Affiliation" icon located next to the author name you wish to copy. This will prevent duplication of the institution name in your abstract.

Institution: ✓

Department:

Job Title:

Street Address:

City:

Country: ✓

State/Province:

Postal Code:

Phone:

5.5. Abstract Information

Enter information related to the abstract.



2 of 6 Steps Complete

[Home](#)

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[Abstract Information](#)

[Abstract](#)

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Abstract ID: 1519

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Details

Your Abstract # is 1519.

Fields with a ✓ are required.

ID:	1519
Title:	
Group:	Group 1: Medical Ultrasonics ✓ Group 1 Sub Category Overview
Sub-Group:	MIM Medical Imaging ✓
Presentation Preference:	Oral ✓
Keywords:	
Keyword 1:	Speckle Reduction ✓
Keyword 2:	High-Frame-Rate Imaging ✓
Keyword 3:	Limited-Diffraction Beams ✓
Keyword 4:	
Keyword 5:	

☐ This is a student abstract submission.

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Student Submission Information

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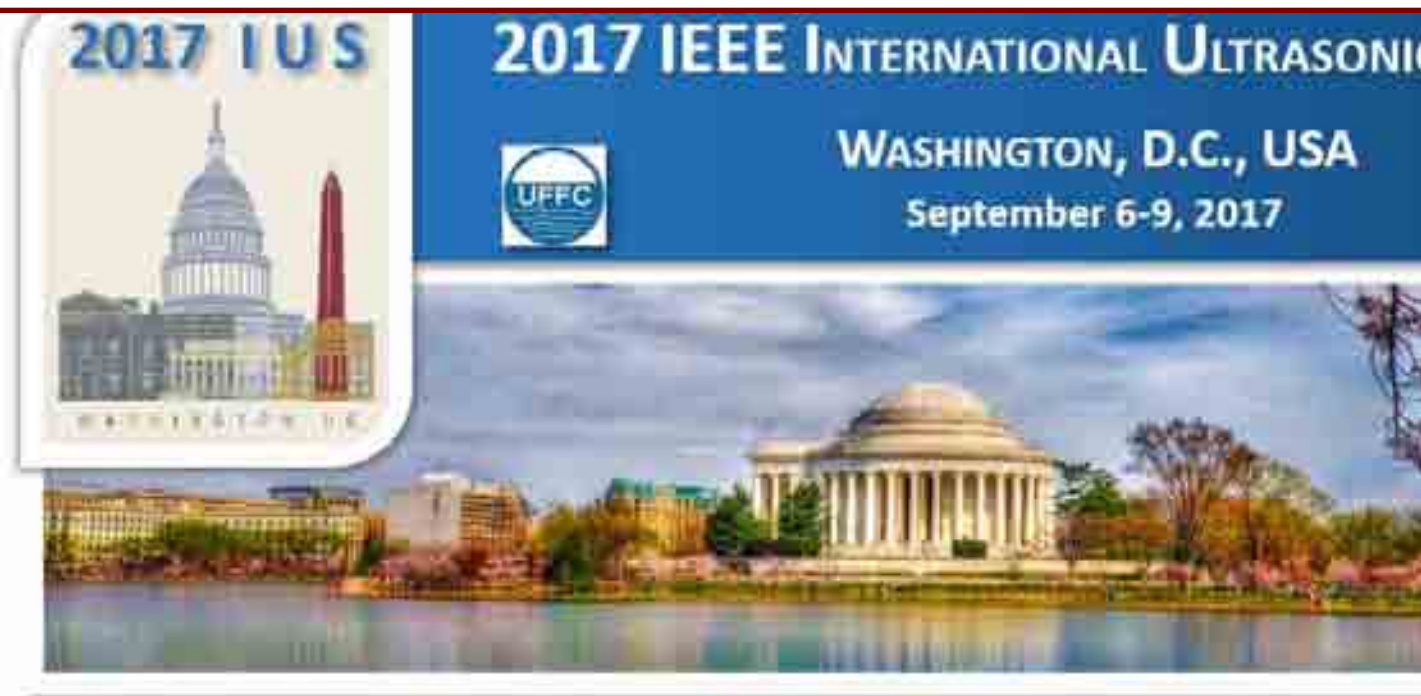
In addition, travel support will only give to a student who has not been supported before by any IEEE International Ultrasonics Symposium (IUS).

A student is eligible for [Student Paper Competition](#) award only he/she has not

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5.6. Abstract

[Enter abstract.](#)



2 of 6 Steps Complete

[Home](#)

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[Abstract Information](#)

[Abstract](#)

[Figures and/or Tables](#)

[Proofread](#)

[Submit](#)

Welcome: Jian-yu Lu

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Abstract

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- Please type or paste your abstract in the text box to the right.
- There is a 2500 character limit.

Your Abstract number is ID #1519.

Please Do Not Use All Capital or All Lower Letter Titles.

Title: **Speckle Noise Reduction for High-Frame-Rate Imaging Methods**

Background, Motivation and Objective:

Recently, high-frame-rate (HFR) imaging has found many applications such as fast cardiac imaging, elasticity imaging, flow velocity vector imaging, and functional imaging. In late 1990s, a HFR imaging method based on Fourier reconstruction was developed with either plane wave or limited-diffraction beam (LDB).

To increase image resolution and field of view, images obtained with steered plane wave (SPW) or LDB aperture weightings can be coherently superposed. Although image resolution is improved with the coherent superposition, speckle noise of reconstructed images is high, leading to potential misdiagnoses.

Statement of Contribution/Methods:



• Please do not include any title or author information. That information will be inserted automatically based on the information entered on the author page.

Then type or "cut and paste" your abstract in the box labeled "Text".

If your abstract contains Greek characters, Math symbols, and/or super/subscripts, use the Special Characters toolbar to insert these special symbols.

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To reduce speckle noise, in this paper, incoherent superposition is used in both SPW and LDB high-frame-rate imaging methods. Images obtained at various steering angles or LDB aperture weightings are first envelope detected and then superposed to form the final image. 91 images corresponding to 91 transmissions (91 TX) are used in the superposition for both SPW and LDB methods. The Fourier method is used in image reconstruction.

To evaluate the efficacy of the speckle reduction method, experiments were performed. During the experiments, a home-made high-frame-rate imaging system was used. The system has 128 transmit and

Results/Discussion:

Images reconstructed with coherent and incoherent superposition are shown in top and bottom rows, respectively, and images reconstructed with SPW and LDB are shown in left and right columns, respectively. The signal-to-noise ratios (SNRs) (standard deviation divided by the average) along the horizontal dashed lines (cyan color) are 41.33 and 39.22, respectively, for SPW and LDB images obtained with coherent superposition. The SNRs are increased to 54.27 (31.31% improvement) and 76.72 (95.58% improvement), respectively, for SPW and LDB images obtained with incoherent superposition.

It is clear from the results that the speckle noise is reduced for both SPW and LDB methods with

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5.7. Upload Files

Upload figure files:

- (i) Upload page.
- (ii) Browse for files.
- (iii) Manage uploaded files.



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- Figure dimensions should be

verified prior to uploading (in inches or mm). For best results the dimensions of each figure should be 2" by 3" (50 mm by 75 mm). The author is responsible to make sure the graphics are legible. Programs such as Microsoft PowerPoint 2007 allow a figure to be re-sized and saved.

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5.8. Convert Abstract to PDF

Converting the abstract to PDF for proof read:

- (i) 60 second timer for conversion.
- (ii) Proof read.



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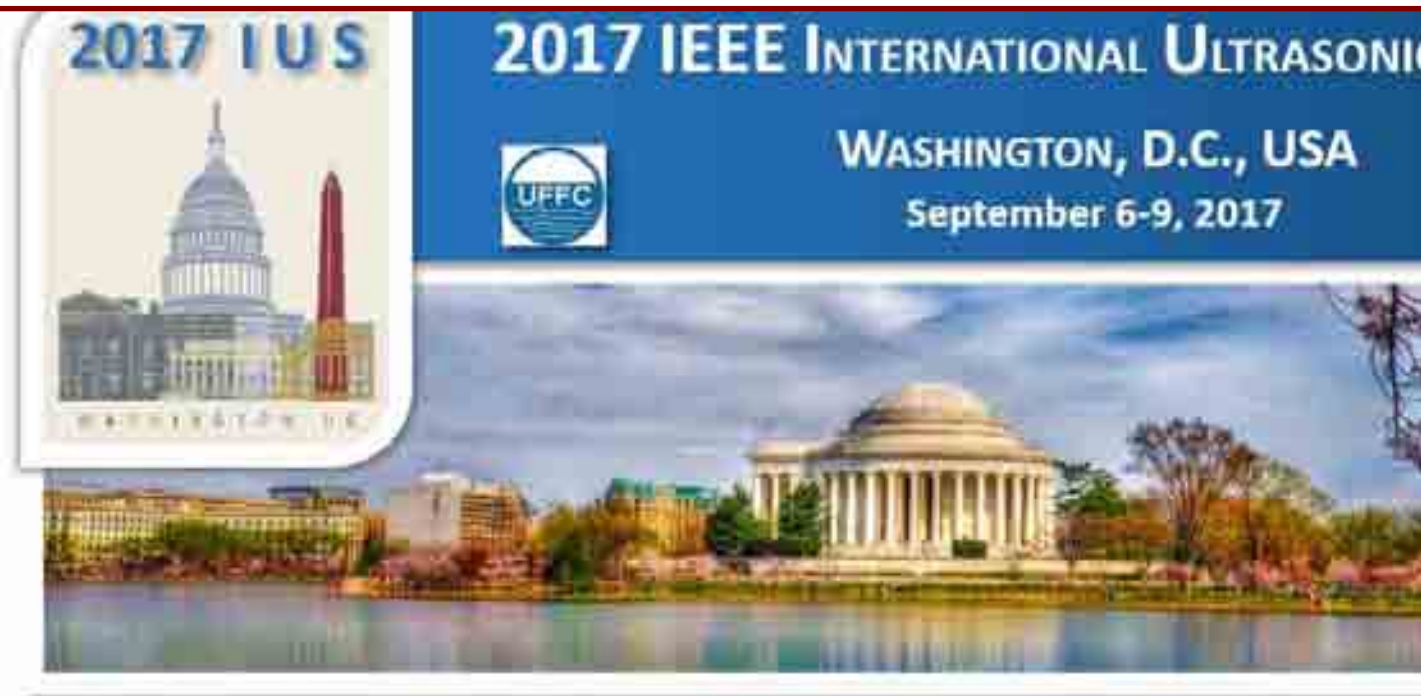
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5.9. Confirmation

Display a confirmation for a successfully submitted abstract.



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Abstract Information

Date:	4/2/2017 1:58:42 AM
User Name:	Jian-yu Lu
Abstract ID:	1519
Title:	Speckle Noise Reduction for High-Frame-Rate Imaging Methods
Group:	Group 1: Medical Ultrasonics
Sub-Group:	MIM Medical Imaging

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6. Conference Registration by YesEvents:

The 2017 IEEE IUS uses a company called YesEvents (see Section X. “Registration Services with YesEvents” above for detail) to handle conference registration. YesEvents was introduced to IEEE IUS the first time in 2008 by the 2008 IEEE IUS. Although YesEvents is not related to Mira Digital Publishing, it is related to one of the major tasks of General Chairs, i.e., conference registration. Thus, I have recorded the registration steps of the 2017 IEEE IUS when I registered for the conference on June 30, 2017 for the convenience of conference organizers.

- (i) Conference registration website.
- (ii) Registration form - welcome and select registration type.
- (iii) Registration form - verify IEEE membership.
- (iv) Registration form - list of registration fees.
- (v) Registration form - input registrant information.
- (vi) Registration form - registration summary.
- (vii) Registration form - enter credit card information.
- (viii) Registration form - confirmation page.
- (ix) confirmation email received by Jian-yu Lu.



Registration Information

Online Registration

Registration is now open. Please use the link provided below.
Registration rates and important dates are shown in the table.



(<http://www.yesevents.com>)

Online Registration » (<http://www.yesevents.com/ius>)

Registration Rates

Registration Type	Before August 1, 2017	After August 1, 2017
IEEE Members*	\$725	\$875
Non-IEEE Members*	\$925	\$1075
Student* (Show valid student ID at conference)	\$250 (IEEE Member) \$425 (Non-IEEE Member)	\$400 (IEEE Member) \$550 (Non-IEEE Member)
Retiree*	\$250	\$400
Life IEEE Member* (Show life member card at conference)	\$250	\$400
One-Day Registration**	\$400	\$400
Short Courses***	\$250 (One Short Course) \$400 (Two Short Courses)	\$350 (One Short Course) \$500 (Two Short Courses)
Short Courses *** (Student with valid student ID) or Retiree	\$150 (One Short Course) \$250 (Two Short Courses)	\$250 (One Short Course) \$400 (Two Short Courses)
Guest****	\$175	\$175
Banquet	\$90	\$90

Industry & University Employer / Job Seeker Network Session, Wednesday, Sept. 6, 6:00 - 8:00 PM

Women in Engineering Lunch, Saturday, Sept. 9, 12:00 - 1:30 PM

* Registration includes access to all sessions, exhibits, welcome reception, banquet, conference program, and password-controlled internet access to the

conference proceedings. Short courses are not included.

****One Day Registration** includes password-controlled internet access to the conference proceedings and reception (if it coincides with the day of reception), but it does not include banquet. The banquet is optional and is \$90.

*****Short Course Only Registration** does not include access to conference sessions, banquet, reception, or exhibits. It includes password-controlled internet access to the conference proceedings.

******Guest registration** includes the Thursday night reception. The Friday banquet is not included in the guest registration. The banquet is optional and is \$90. Guests are NOT allowed to attend any technical sessions except for the Thursday morning plenary session. Only ages 10 or older need to register.

Life Member is defined by IEEE as at least 65-years old and the age plus years of IEEE membership should be equal or greater than 100. Life members should show their IEEE Life Member card or evidence of Life Membership when getting registration materials.

Refunds: General attendees (non-authors) are eligible for a registration refund if the refund is requested in writing prior to August 1, 2017 and will incur a processing fee of \$50. There are no registration refunds after August 1, 2017. Exceptions may apply for individuals affected by government-imposed travel restrictions. See symposium website for details: Information for travelers. (infofortravel.php) Authors who have uploaded their papers are NOT entitled to refunds.



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- ☒ IEEE Member
- ☐ Non-Member
- ☐ Retiree
- ☐ One Day Registration

Next



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Registration Fees

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Registration

☒ Full Registration - IEEE Member \$725.00

Registration includes access to all sessions, exhibits, welcome reception, banquet, conference program, and password-controlled internet access to the conference proceedings. Short courses are not included.

☐ Life Member \$250.00

Life Member is defined by IEEE as at least 65-years old and the age plus years of IEEE membership should be equal or greater than 100. Life members should show their IEEE Life Member card or evidence of Life Membership when getting registration materials.

☐ Student - IEEE Member \$250.00

Registration includes access to all sessions, exhibits, welcome reception, banquet, conference program, and password-controlled internet access to the conference proceedings. Short courses are not included.

☐ Short Course Only - Member/Non-Member

Short Course Only Registration does not include access to conference sessions, banquet, reception, or exhibits. It includes password-controlled internet access to the conference proceedings.

☐ Guest \$175.00

Guest registration includes the Thursday night reception. The Friday banquet is not included in the guest registration. The banquet is optional and is \$90. Guests are NOT allowed to attend any technical sessions except for the Thursday morning plenary session. Only ages 10 or older need to register.

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Registrant Information

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First Name:*	<input type="text" value="Jian-yu"/>
Last Name:*	<input type="text" value="Lu"/>
First Name on Badge:*	<input type="text" value="Jian-yu"/>
Company:*	<input type="text" value="The University of Toledo"/>
Address:*	<input type="text" value="2801 West Bancroft Street"/>
	<input type="text"/>
City:*	<input type="text" value="Toledo"/>
State (International choose ----):*	<input type="text" value="OH"/> OR <input type="text"/>
Zip Code:*	<input type="text" value="43560"/>
Country:*	<input type="text" value="United States"/>
E-mail:*	<input type="text" value="jian-yu.lu@ieee.org"/>
Enter E-mail again:*	<input type="text" value="jian-yu.lu@ieee.org"/>

Short Courses

[Summary of Short Courses](#)

Please select the number of short courses you would like to attend. You will select the short course titles on the next page.

- | | |
|---|----------|
| <input type="checkbox"/> I would like to attend 1 Short Course | \$250.00 |
| <input type="checkbox"/> I would like to attend 2 Short Courses | \$400.00 |

Women in Engineering Career Development Workshop and Lunch

Please indicate if you would like to attend the Women in Engineering Career Development Workshop and Lunch on September 9th, 12:00 pm - 1:30 pm. Please see the IUS 2017 website announcement for more information.

- ☒ I would like to attend the IEEE WIE event

Industry & University Employer / Job Seeker Network Session

Please indicate if you would like to attend the Industry & University Employer / Job Seeker Network Session, Wednesday, September 6, 6:00 – 8:00 PM.

- ☐ I would like to attend the Industry & University Employer / Job Seeker Network Session

Optional Tour Events

Tour options will be available soon.

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The University of Toledo
Jian-yu Lu
2801 West Bancroft Street
Toledo, OH 43560
E-mail: jian-yu.lu@ieee.org

Full Registration - IEEE Member	1	\$	725.00
TOTAL PRICE:		\$	725.00

Enter your discount code here:

[Submit Code](#)

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First Name:*

Jian-yu

Last Name:*

Lu

Company:

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Title:

Department:

Address:*

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Toledo

State (International choose ----):*

OH

OR

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TOTAL PRICE:		\$	725.00

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Please make sure the address below matches the address where your credit card statements are mailed. The transaction may be rejected if the address does not match.

Name on Card:*	<input type="text" value="Jian-yu Lu"/>		
Credit Card Type:*	<input type="text"/>    		
Card Number:*	<input type="text"/>		
Expiration Date:*	<input type="text"/>	<input type="text"/>	
Billing Address:*	<input type="text" value="2801 West Bancroft Street"/>		
	<input type="text"/>		
City:*	<input type="text" value="Toledo"/>		
State:	<input type="text" value="OH"/>	OR <input type="text"/>	Zip Code: <input type="text" value="43560"/>
Country:*	<input type="text" value="United States"/>		
E-mail:*	<input type="text" value="jian-yu.lu@ieee.org"/>		

* required field

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Transaction details:

6/30/2017

1 Full Registration - IEEE Member	\$ 725.00
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Jian-yu Lu (4854439)

E-Commerce Credit Card Payment (Master Card)	\$ 725.00
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Total Purchase:	\$ 725.00
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Total Payment:	\$ 725.00
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Total Due:	\$ 0.00
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Your registrant ID is: 4854439

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Subject: IEEE IUS 2017 Confirmation - Paid
From: 2017 IEEE IUS Registrar <iusinfo@yesevents.com>
Date: 6/30/2017 9:37 PM
To: Jian-yu Lu <jian-yu.lu@ieee.org>



6/30/2017

Jian-yu Lu
The University of Toledo
2801 West Bancroft Street
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Dear Jian-yu,

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Jian-yu Lu (4854439)	
E-Commerce Credit Card Payment (Master Card)	\$ 725.00
Total Purchase:	\$ 725.00
Total Payment:	\$ 725.00
Total Due:	\$ 0.00

I am attending the IEEE Women in Engineering Luncheon: Yes

I am attending the Industry & University Employer / Job Seeker Network Session No

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Thank you,

2017 IUS Registrar

7. Proceedings Paper Submission (14 Tasks):

Submission of a proceedings paper involves the following steps. Mira uses the abstract submission and the conference program database to allow only those authors whose abstracts are accepted to submit conference proceedings papers. Notice that future conference organizers could **ask Mira to change the word “abstract” to “paper”** for corrections in many places (some places have been changed but many have not). The places where “abstract” needs to be changed to “paper” can be found from the screen captures of the paper submission steps below.

Guidelines and Requirements

IMPORTANT NOTE: The paper submission deadline is August 23rd, 2017 11:59pm (PDT). (Two weeks before the conference).

Submission link will be available on July 1st.

Paper Submission Guidelines

In order for the 2017 IEEE International Ultrasonics Symposium to be published in a timely manner, it is important that authors follow the submission instructions to the best of their ability. Conference attendees will receive the electronic access to the conference proceedings containing all the papers presented at the conference as part of their full registration fee.

As the Proceedings is a record of the 2017 IEEE International Ultrasonics Symposium, only those papers which are actually presented and defended at the Symposium by the author during either an oral or a poster session will be accepted for publication in the Proceedings. In the event that an author is unable to personally present the paper, she/he MUST be represented in either poster or oral sessions by an individual who is qualified to discuss the technical material in the paper and who will remain in attendance for the full session in which the paper is presented. All the session chairpersons will be recording the presenters attendance, both oral and poster, and sending the results to the Proceedings Editor.

All presenters, both oral and poster, are encouraged to publish in the conference proceedings. Full paper submissions are limited to four (4) single-side pages in the required two-column format. Invited papers can be up to ten (10) pages in length. For all papers: two (2) extra pages may be used at an excess page charge of \$125/page. Payments for excess page charge are part of the paper submission process.

Instructions for the generation of the conference papers can be found at the IEEE Proceedings Author Tools Box at the following website: http://www.ieee.org/conferences_events/conferences/publishing/templates.html (http://www.ieee.org/conferences_events/conferences/publishing/templates.html). Here you will find Manuscript Templates for Conference Proceedings, IEEE Citation Reference, and IEEE Keyword Guidelines.

Part of the paper submission process involves standard conversion to PDF, and the authors will be given the opportunity to approve the converted files before the completion of the submission process. As part of the submission process, the author will have to indicate that they have read and conformed to the IEEE Proceedings formatting standards. Authors may risk having their paper not included in the proceedings if

there is excessive deviations from the IEEE format standards. Our publication schedule will not allow the authors to make changes to their manuscripts after the deadline. If the papers deviate from the standard format they will be removed from publication.

Final Paper Submission Link

Submission Link will be available on July 1st.

IMPORTANT- Please notice that after you have proofread your paper, you should click the button, "Submit My Paper", you will then receive an automatic confirmation email containing your paper ID (the same ID number as your submitted abstract). If you do not receive such an email, your paper has not been transmitted and you should login to the system to complete your submission. Once you have received your confirmation number for your submission, you will not be able to modify/edit your paper. If you find you must modify your submitted paper before the submission deadline, you will need to contact the Proceedings Editor (s.freear (@) leeds.ac.uk) to reopen your record. Once you do this, you must repeat the entire process and get a new confirmation number.



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(<http://www.ieee->

[uffc.org/](http://www.ieee-uffc.org/))

7.2. Login Page of Mira for Proceedings Paper Submission

Webpage for authors to login. The login user names and passwords are the same as those for abstract submissions.



Login

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Returning User

Login Name:

Password:

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7.3. Home Page after Login

This page shows the status of paper submission. Also, it would be good to **ask Mira to also allow oral authors to submit their consents** for recording slides plus audios of their oral presentations during proceedings paper submissions (it was allowed after abstracts were accepted for oral presentations). - This issue "submit consents during paper submissions" has been resolved as of August 26, 2017.



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Action	ID	Type	Title	Consent to Record	Status
Continue	1519	Oral	Speckle Noise Reduction for High-Frame-Rate Imaging	Consent is not needed at this time	Waiting for File Upload(Incomplete)

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Publication Type: Conference

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Your E-mail: jjlu@eng.utoledo.edu

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