

# Appendix E:

## Technical Programs

Appendix A to L are compiled from the conference web at: [http://ewh.ieee.org/conf/ius\\_2008/](http://ewh.ieee.org/conf/ius_2008/)  
(The web is also in DVD with ISBN: 978-1-4244-2480-1 and IEEE Catalog No. CFP08ULT-DVD)

### 2008 IEEE International Ultrasonics Symposium Proceedings

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## II. Meeting Planner (Opened August 13, 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.
- **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/](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 \(Program Book\)](#), and [Abstract Book](#) are now available.

### Meeting Planner:

The Meeting Planner will help attendees to personalize or individualize their conference programs. The individualized programs can be printed out and brought to the conference. Combined with the [Condensed Program](#) and the [Floor Plan](#), it would make it easier for attendees to navigate through the conference. Attendees could also check the [Full Program \(Program Book\)](#) and/or the [Abstract Book](#) for the entire program. (Please notice that the Floor Plan not only shows the locations of rooms, but also contains a map of the location of each poster with a serial number. The serial number, such as "003", is also contained in the poster label, such as PS003-03, whose meaning is described in detail in the "[Poster Presentation Guide](#)".)

**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 Meeting Planner is now available below, allowing an access to the abstracts.

If you have submitted an abstract through our "[Abstract Submission](#)" website, your user name and password created there will be the same for the Meeting Planner. If you forget your user name and password, you could get them by clicking on "I forgot my password". If you do not have user name and password, you can create them through the "New User" button. (Please **REFRESH** your browser now to view an updated page that contains correct links!)

**Attendee Meeting Planner:** <http://submissions.miracd.com/ius2008/Itinerary> (Closed)

Questions on Meeting Planner: Phone: (866)341-9589; Email: [IUS2008@mirasmart.com](mailto:IUS2008@mirasmart.com)

## III. 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/](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.

### 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/](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/](http://submissions.miracd.com/ius2008_Abstract/) (Closed)

Questions on Abstract Submission: Phone: (866)341-9589; Email: [IUS2008@mirasmart.com](mailto:IUS2008@mirasmart.com)



## IV. 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.
- **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/](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.

### 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 "[Abstrac 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/](http://submissions.miracd.com/ius2008_Abstract/) (Closed)

If you have trouble for your accounts, please contact: Phone: (866)341-9589; Email:

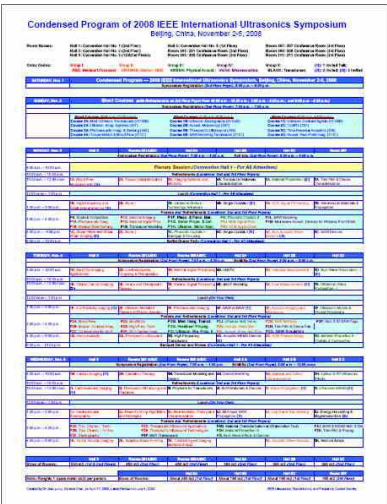
[IUS2008@mirasmart.com](mailto:IUS2008@mirasmart.com)



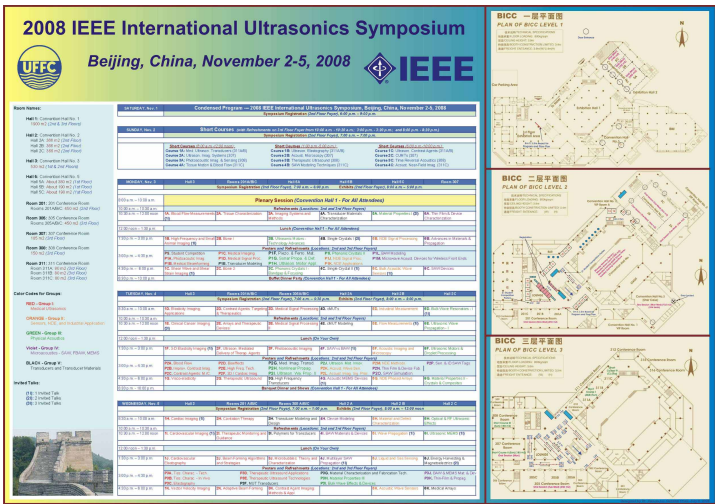
# V. Condensed Program

**Introduction:** The PDF version of the Condensed Program can be viewed or downloaded below by clicking on the image. The Program provides a convenient overview of the entire technical program. Attendees can also get information of the conference program through the [Full Program \(Program Book\)](#) and the [Abstract Book](#), and navigate through the conference using the [Floor Plan](#). (In addition to room locations, the Floor Plan contains a map of the location of each poster. The label of each poster has a serial number for you to locate the poster. Please check the "[Poster Presentation Guide](#)" for the relationship between the serial number and the poster location.) Attendees can also personalize or individualize their conference program using the [Meeting Planner](#).

**Condensed Program:**  
(Posted July 4, 2008)  
(Please click on icon below to view PDF version)



**Program Sheet:**  
(Posted July 4, 2008)  
(Please click on icon below to view details)



## VI. Full Program

**Introduction:** The PDF version of the Full Program (Program Book) can be viewed or downloaded below by clicking on the image of the book. Attendees can also get information of the conference program through the [Condensed Program](#) and the [Abstract Book](#), and navigate through the conference using the [Floor Plan](#). (In addition to room locations, the Floor Plan contains a map of the location of each poster. The label of each poster has a serial number for you to locate the poster. Please check the "[Poster Presentation Guide](#)" for the relationship between the serial number and the poster location.) Attendees can also personalize or individualize their conference program using the [Meeting Planner](#).

### Full Program (Program Book):

(Posted August 17, 2008 and updated December 6, 2008; 10.9 MB)

(Please click on icon below to view or download PDF file)



## VII. Abstract Book

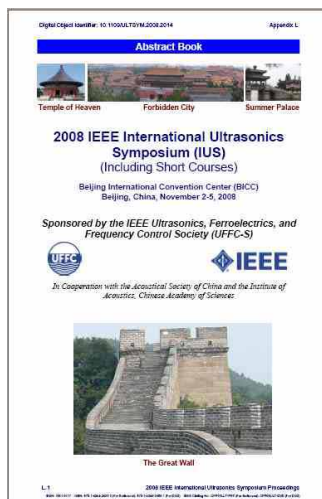
**Introduction:** The PDF version of the Abstract Book can be viewed or downloaded below by clicking on the image of the book. Attendees can also get information of the conference program through the [Condensed Program](#) and the [Full Program \(Program Book\)](#), and navigate through the conference using the [Floor Plan](#). (In addition to room locations, the Floor Plan contains a map of the location of each poster. The label of each poster has a serial number for you to locate the poster. Please check the "[Poster Presentation Guide](#)" for the relationship between the serial number and the poster location.) Attendees can also personalize or individualize their conference program using the [Meeting Planner](#).

**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 Abstract Book is now available below, allowing an access to all accepted abstracts.

### Abstract Book (674 Abstracts):

(Posted August 17, 2008 and updated December 6, 2008; 56.0 MB)

(Please click on icon below to view or download PDF file)



## VIII. 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.



## IX. 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.

## X. Session Chairs

### 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.

#### Presentation 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.

- 2008 IEEE International Ultrasonics Symposium Proceedings

**Color Codes for 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*.

## XI. Browsing Full Papers via Oral and Poster Sessions

### Browse Papers According to Sessions:

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#### NOTES:

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- 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.
- 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](#)".
- 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](#)" (this link is only available when you have the actual DVD)" and then check the browsing and searching frame near its top if it is not already shown on top of this page.
- If there are any discrepancies between the author list (or paper title) in this web page and the actual PDF paper (this may happen if authors have forgotten to update the paper titles or author lists during the online proceedings "[Paper Submission](#)" process), the correct order and list of authors (or paper title) should be according to the PDF paper. The symbols after an author name "\*" and "\*\*\*" represent presenting author and corresponding author indicated by submitting authors in the paper or abstract submission system.

## XII. Conference Proceedings

### Context-Sensitive Multimedia DVD Proceedings:

This will be the first year that the IEEE International Ultrasonics Symposium produces context-sensitive multimedia DVD proceedings, based on the experiences of our context-sensitive multimedia IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control (TUFFC). To prepare and submit proceedings papers, please follow the link, "Paper Submission" from the conference website at: [http://ewh.ieee.org/conf/ius\\_2008](http://ewh.ieee.org/conf/ius_2008).

### Print Copy of the Proceedings:

The 2008 IEEE International Ultrasonics Symposium will not provide a print version of the conference proceedings. Attendees who need such proceedings can order them directly from IEEE after the DVD proceedings are produced.

### Proceedings Paper Submission Deadline:

The submission deadline of proceedings papers is ***Midnight, Sunday, November 2, 2008, Beijing Time***, which is earlier than that of previous years. Please notice that the deadline is firm to ensure a timely publication of the proceedings.

## XIII. Conference Proceedings Paper Submission

(Absolute Deadline: *Midnight, Sunday, November 2, 2008, [Beijing 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/](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 [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/](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/>" 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:



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"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.




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- **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.
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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.

## 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](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".

## Instructions, Templates, and Multimedia Examples (Posted September 25, 2008):

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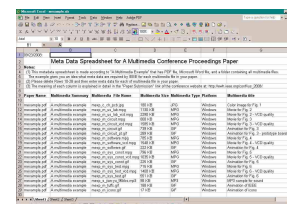
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