



2009 IEEE International Ultrasonics Symposium

Short Courses & Tutorials

September 19-23, 2009



Ergife Palace Hotel, Roma, Italy

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

First Call for Papers

Abstract Deadline: May 3, 2009



We are pleased to welcome you to the 2009 IEEE International Ultrasonics Symposium, which will be held in Roma, Italy, from September 19 to 23 at the Ergife Palace Hotel.

We are sure that you will enjoy your visit to Roma, which is rightly known as one of the most beautiful and interesting cities in the world. It is the city of the Caesars with majestic monuments from the golden days of the ancient Roman Empire. But it is also the center of the catholic world, with an endless number of grand, beautiful cathedrals and churches. But Roma is so much more than an open-air museum; everywhere you find great restaurants with superb food and wine, lovely bars and cafés, excellent shopping, and vibrant night life.

We look forward to meeting you in Roma.

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 3, 2009. 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_2009/. 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. 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
 MPA Medical Photoacoustics
 MSP Medical Signal Processing
 MTC Medical Tissue Characterization
 MTH Therapeutics, Hyperthermia, and 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
 NSP Signal Processing
 NTD Transducers: NDE and Industrial
 NWP Wave Propagation

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
 PPN Phononics crystals & devices
 PLP Laser interactions in physical acoustics

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 Ultrasonic Applications of Piezoelectrics & Ferroelectrics
 TMI Medical Imaging Transducers
 TMO Transducer Modeling (Analytical & Numerical)
 TMU Micromachined Ultrasound Transducers
 TTT Medical Therapeutic Transducers

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All roads lead to Roma...

Student Travel Support: Limited funds are available to support [IEEE UFFC student member attendees](http://ewh.ieee.org/conf/ius_2009/) at the 2009 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 (http://ewh.ieee.org/conf/ius_2009/)