



2009 IEEE International Ultrasonics Symposium

Short Courses & Tutorials

September 20-23, 2009



Ergife Palace Hotel, Roma, Italy

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

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All roads lead to Rome ...



Second 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 20 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
MSD System & Device Design
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
PLP Physical Acoustics Laser Interactions
PMI Magnetic/Electromagnetic Interactions
POI Optical Interactions
PPN Phononic Crystals & Devices
PUM Ultrasonic Motors & Actuators
PTF Thin Films

Group 4: Microacoustics – SAW, FBAR, MEMS

ADA Device Applications
ADD Device Design
ADM Device Modeling
AMP Materials & Propagation

Group 5: Transducers & Transducer Materials

TMC Materials Characterization and Fabrication
TPF Ultrasonic Applications of Piezoelectrics & Ferroelectrics
TMI Medical Imaging Transducers
TMO Modeling (Analytical & Numerical)
TMU Micromachined Ultrasound Transducers
TTT Medical Therapeutic Transducers
TFT Thick Film Piezo-Technology

Student Travel Support: Limited funds are available to support [IEEE UFFC student member attendees](#) 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/)