Condensed Program of 2008 IEEE International Ultrasonics Symposium

Beijing, China, November 2-5, 2008

Room Names:
Hall 1: Convention Hall No. 1 (2nd Floor)
Hall 2: Convention Hall No. 2 (2nd Floor)
Hall 3: Convention Hall No. 3 (1st&2nd Floors)
Hall 5: Convention Hall No. 5 (1st Floor)
Room 201: 201 Conference Room (2nd Floor)
Room 305: 305 Conference Room (3rd Floor)
Room 307: 307 Conference Room (3rd Floor)
Room 308: 308 Conference Room (3rd Floor)
Room 311: 311 Conference Room (3rd Floor)

Color Codes: Group I: **RED:** Medical Ultrasound; Group II: **ORANGE:** Sensor, NDE; Group III: **GREEN:** Physical Acoust.; Group IV: **Violet:** Microacoustics; Group V: **BLACK:** Transducers; **(1I):** 1 Invited Talk; **(2I):** 2 Invited; **(3I):** 3 Invited

SATURDAY, Nov. 1	Condensed Program --- 2008 IEEE International Ultrasonics Symposium, Beijing, China, November 2-5, 2008
	Symposium Registration *(2nd Floor Foyer), 6:00 p.m. – 9:00 p.m.*

SUNDAY, Nov. 2	Short Courses *(with Refreshments on 3rd Floor Foyer from 10:00 a.m. - 10:20 a.m.; 3:00 p.m. - 3:20 p.m.; and 8:00 p.m. - 8:20 p.m.)*		
	Symposium Registration *(2nd Floor Foyer), 7:00 a.m. – 7:00 p.m.*		
	Short Courses *(8:00 a.m.-12:00 noon)*:	**Short Courses** *(1:00 p.m.-5:00 p.m.)*:	**Short Courses** *(6:00 p.m.-10:00 p.m.)*:
	Course 1A: Med. Ultrason. Transducers (311A/B)	**Course 1B:** Ultrason. Elastography (311A/B)	**Course 1C:** Ultrason. Contrast Agents (311A/B)
	Course 2A: Ultrason. Imag. Systems (307)	**Course 2B:** Acoust. Microscopy (307)	**Course 2C:** CUMTs (307)
	Course 3A: Photoacoustic Imag. & Sensing (308)	**Course 3B:** Therapeutic Ultrasound (308)	**Course 3C:** Time Reversal Acoustics (308)
	Course 4A: Tissue Motion & Blood Flow (311C)	**Course 4B:** SAW Modeling Techniques (311C)	**Course 4C:** Acoust. Near-Field Imag. (311C)

MONDAY, Nov. 3	Hall 3	Rooms 201A/B/C	Hall 5A	Hall 5B	Hall 5C	Room 307
	Symposium Registration *(2nd Floor Foyer), 7:00 a.m. – 6:00 p.m.* **Exhibits** *(2nd Floor Foyer), 8:00 a.m. – 5:00 p.m.*					
8:00 a.m. – 10:00 a.m.	**Plenary Session** *(Convention Hall 1 - For All Attendees)*					
10:00 a.m. – 10:30 a.m.	**Refreshments** *(Locations: 2nd and 3rd Floor Foyers)*					
10:30 a.m. – 12:00 noon	**1A.** Blood Flow Measurements **(1I)**	**2A.** Tissue Characterization	**3A.** Imaging Systems and Methods	**4A.** Transducer Materials Characterization	**5A.** Material Properties I **(2I)**	**6A.** Thin Film & Device Characterization
12:00 noon – 1:30 p.m.	**Lunch** *(Convention Hall 1 - For All Attendees)*					
1:30 p.m. – 3:00 p.m.	**1B.** High-Frequency and Small Animal Imaging **(1I)**	**2B.** Bone I	**3B.** Ultrasonic Motors - Technology Advances	**4B.** Single Crystals I **(2I)**	**5B.** NDE Signal Processing	**6B.** Advances in Materials & Propagation
3:00 p.m. – 4:30 p.m.	**Posters** *and* **Refreshments** *(Locations: 2nd and 3rd Floor Foyers)*					
	PS. Student Competition	**P1C.** Medical Imaging	**P1F.** Piezo. & Ferro. Mat.	**P1I.** Phononic Crystals II	**P1L.** BAW Modeling	
	P1A. Photoacoutic Imag.	**P1D.** Medical Signal Proc.	**P1G.** Sonar Propa. & Det.	**P1J.** NDE Signal Proc.	**P1M.** Microwave Acoust. Devices for Wireless Front Ends	
	P1B. Medical Beamforming	**P1E.** Transducer Modeling	**P1H.** Ultrason. Motor Appl.	**P1K.** NDE Applications		
4:30 p.m. – 6:00 p.m.	**1C.** Shear Wave and Shear Strain Imaging **(1I)**	**2C.** Bone 2	**3C.** Phononic Crystals I - Bandgap & Focusing	**4C.** Single Crystal II **(1I)**	**5C.** Bulk Acoustic Wave Sensors **(1I)**	**6C.** SAW Devices
6:30 p.m. – 10:00 p.m.	**Buffet Dinner Party** *(Convention Hall 1 - For All Attendees)*					

TUESDAY, Nov. 4	Hall 3	Rooms 201A/B/C	Rooms 305A/B/C	Hall 2A	Hall 2B	Hall 2C
	Symposium Registration *(2nd Floor Foyer), 7:00 a.m. – 5:30 p.m.* **Exhibits** *(2nd Floor Foyer), 8:00 a.m. – 5:00 p.m.*					
8:30 a.m. – 10:00 a.m.	**1D.** Elasticity Imaging: Applications	**2D.** Contrast Agents: Targeting & Therapeutics	**3D.** Medical Signal Processing I	**4D.** cMUTs	**5D.** Industrial Measurement	**6D.** Bulk Wave Resonators - I **(1I)**
10:00 a.m. – 10:30 a.m.	**Refreshments** *(Locations: 2nd and 3rd Floor Foyers)*					
10:30 a.m. – 12:00 noon	**1E.** Clinical Cancer Imaging **(3I)**	**2E.** Arrays and Therapeutic Devices	**3E.** Medical Signal Processing II	**4E.** cMUT Modeling	**5E.** Flow Measurements **(1I)**	**6E.** Ultrasonic Wave Propagation - I
12:00 noon – 1:30 p.m.	**Lunch** *(On Your Own)*					
1:30 p.m. – 3:00 p.m.	**1F.** 3-D Elasticity Imaging **(1I)**	**2F.** Ultrason. Mediated Delivery of Therap. Agents	**3F.** Photoacoustic Imaging	**4F.** SAW vs BAW **(1I)**	**5F.** Acoustic Imaging and Microscopy	**6F.** Ultrasonic Motors & Droplet Processing
3:00 p.m. – 4:30 p.m.	**Posters** *and* **Refreshments** *(Locations: 2nd and 3rd Floor Foyers)*					
	P2A. Blood Flow	**P2D.** Bioeffects	**P2G.** Med. Imag. Transd.	**P2J.** Ultrason. Mot. Innov.	**P2M.** NDE Methods	**P2P.** Sen. & ID SAW Tags
	P2B. Improv. Contrast Imag.	**P2E.** High Freq. Tech.	**P2H.** Nonlinear Propag.	**P2K.** Acoust. Wave Sen.	**P2N.** Thin Film & Device Fab.	
	P2C. Contrast Agents: M./C.	**P2F.** 3D / Cardiac Imag.	**P2I.** Ultrason. Wa. Prop. II	**P2L.** Acoust. Imag. Sig. Proc.	**P2O.** SAW Simulation	
4:30 p.m. – 6:00 p.m.	**1G.** Visco-elasticity	**2G.** Therapeutic Ultrasound	**3G.** High Frequency Transducers	**4G.** Acoustic MEMS Devices **(1I)**	**5G.** NDE Phased Arrays	**6G.** Material Properties II - Crystals & Composites
6:30 p.m. - 10:00 p.m.	**Banquet Dinner and Shows** *(Convention Hall 1 - For All Attendees)*					

WEDNESDAY, Nov. 5	Hall 3	Rooms 201 A/B/C	Rooms 305 A/B/C	Hall 2 A	Hall 2 B	Hall 2 C
	Symposium Registration *(2nd Floor Foyer), 7:00 a.m. – 1:00 p.m.* **Exhibits** *(2nd Floor Foyer), 8:00 a.m. – 12:00 noon*					
8:30 a.m. – 10:00 a.m.	**1H.** Cardiac Imaging **(1I)**	**2H.** Cavitation Therapy	**3H.** Transducer Modeling and Design	**4H.** Device Modeling	**5H.** Material and Defect Characterization	**6H.** Optical & RF Ultrasonic Effects
10:00 a.m. – 10:30 a.m.	**Refreshments** *(Locations: 2nd and 3rd Floor Foyers)*					
10:30 a.m. – 12:00 noon	**1I.** Cardiovascular Imaging **(1I)**	**2I.** Therapeutic Monitoring and Guidance	**3I.** Polymers for Transducers	**4I.** BAW Materials & Devices	**5I.** Wave Propagation **(1I)**	**6I.** Ultrasonic MEMS **(1I)**
12:00 noon – 1:30 p.m.	**Lunch** *(On Your Own)*					
1:30 p.m. – 3:00 p.m.	**1J.** Cardiovascular Elastography	**2J.** Beam Forming Algorithms and Strategies	**3J.** Microbubbles: Theory and Characterization	**4J.** Multilayer SAW Propagation **(1I)**	**5J.** Liquid and Gas Sensing	**6J.** Energy Harvesting & Magnetoelectrics **(2I)**
3:00 p.m. – 4:30 p.m.	**Posters** *and* **Refreshments** *(Locations: 2nd and 3rd Floor Foyers)*					
	P3A. Tiss. Charac. - Tech.	**P3D.** Therapeutic Ultrasound Applications	**P3G.** Material Characterisation and Fabrication Tech.			**P3J.** BAW & MEMS Mat. & Dev
	P3B. Tiss. Charac. - In Vivo	**P3E.** Therapeutic Ultrasound Technologies	**P3H.** Material Properties III			**P3K.** Thin-Film & Propag.
	P3C. Elastography	**P3F.** MUT Transducers	**P3I.** Bulk Wave Effects & Devices			
4:30 p.m. – 6:00 p.m.	**1K.** Vector Velocity Imaging	**2K.** Adaptive Beam Forming	**3K.** Contrast Agent Imaging: Methods & Appl.		**5K.** Acoustic Wave Sensors	**6K.** Medical Arrays

	Hall 3	Rooms 201A/B/C	Rooms 305A/B/C	Hall 2A	Hall 2B	Hall 2C
Sizes of Rooms:	530 m2 *(1st & 2nd Floors)*	450 m2 *(2nd Floor)*	450 m2 *(3rd Floor)*	366 m2 *(2nd Floor)*	366 m2 *(2nd Floor)*	366 m2 *(2nd Floor)*

		Hall 5A	Hall 5B	Hall 5C	Room 307
Note: Roughly 1 square meter (m2) per person.	**Sizes of Rooms:**	About 380 m2 *(1st Floor)*	About 190 m2 *(1st Floor)*	About 190 m2 *(1st Floor)*	185 m2 *(3rd Floor)*