

2016 IEEE IUS CONDENSED PROGRAM

Sunday, September 18, 2016

Time	Room Amboise (Level +2)	Room Langeais (Level +2)	Room 1 (Level +2)	Room 2 (Level +2)	Room 3 (Level +2)	Room 4 (Level +2)
	<i>Short Course 1A.</i>	<i>Short Course 2A.</i>	<i>Short Course 3A.</i>	<i>Short Course 4A.</i>	<i>Short Course 5A.</i>	<i>Short Course 6A.</i>
08:00 am - 12:00 pm	Ultrafast Ultrasound Imaging : Basic Principles and Applications	Ultrasonic Therapy	Medical Ultrasound Transducers	Time-Frequency Analysis and System-on-Chip Designs for Ultrasonic Signal Processing and Imaging Applications	Wireless SAW Sensors for Harsh Environment Applications: Design Principles, Materials and Reading Systems	Nonlinear Effects in Acoustic Wave Piezoelectric Devices
	<i>Mickael TANTER</i>	<i>Kullervo HYNYNEN</i>	<i>Scott SMITH and Douglas WILDES</i>	<i>Jafar SANIIE and Erdal ORUKLU</i>	<i>Natalya NAUMENKO and Tao HAN</i>	<i>Yook-Kong YONG</i>
12:00 pm - 01:00 pm	Lunch Break					
	<i>Short Course 1B.</i>	<i>Short Course 2B.</i>	<i>Short Course 3B.</i>	<i>Short Course 4B.</i>	<i>Short Course 5B.</i>	<i>Short Course 6B.</i>
01:00 pm - 05:00 pm	Acoustic Radiation Force Elasticity Imaging: Physics, Implementation and Clinical Applications	Ultrasound Vector Velocity Imaging	Biomedical Photoacoustics: Illuminating the principles of acoustic radiation created by optical excitation	Microultrasound Transducers – Materials, Instrumentation and Performance	CMUT: Theory, Fabrication and Applications	Acoustical Imaging: from Acoustic Field Equations to Imaging and Inversion
	<i>Mark PALMERI</i>	<i>Jorgen JENSEN</i>	<i>Michael KOLIOS</i>	<i>Sandy COCHRAN, Qifa ZHOU and David COWELL</i>	<i>Pierre KHURI-YAKUB, Omer ORALKAN and Mario KUPNIK</i>	<i>Koen W.A. VAN DONGEN</i>
06:00 pm - 08:00 pm	Student-Industry Networking (Room Langeais, Level +2)					

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Monday, September 19, 2016

Time	Auditorium de Ronsard (Level +1)	Auditorium Descartes (Level +1)	Room Chambord (Level +2)	Room Cheverny (Level +2)	Room Villandry (Level +2)	Room Amboise (Level +2)	Room Langeais (Level +2)
08:00 am - 09:30 am	Plenary Session (Auditorium François 1er, Level -1)						
09:30 am - 10:30 am	Coffee Break (offered by Tour(s)plus) & Poster Session (Level -2)						
10:30 am - 12:00 pm	<i>Session 1A.</i> MCA: Super-resolution imaging	<i>Session 2A.</i> MIM: Neuro imaging	<i>Session 3A.</i> MEL: Vascular elasticity imaging	<i>Session 4A.</i> MSD: Medical systems and devices I	<i>Session 5A.</i> Acoustic Imaging and Microscopy	<i>Session 6A.</i> Microacoustics & Communication systems	<i>Session 7A.</i> PMUTs
12:00 pm - 01:30 pm	Lunch Break						
01:30 pm - 03:00 pm	<i>Session 1B.</i> MTH: Ultrasound stimulation and neuromodulation	<i>Session 2B.</i> MCA: Phase change and nanoparticle contrast agents	<i>Session 3B.</i> MBF: High frame rate flow imaging	<i>Session 4B.</i> MIM: Alternative imaging modalities	<i>Session 5B.</i> Sensors and Microfluidics	<i>Session 6B.</i> PA Acoustic Tweezers and Particle Manipulation	<i>Session 7B.</i> Materials and Processes
03:00 pm - 04:00 pm	Coffee Break (offered by Tour(s)plus) & Poster Session (Level -2)						
04:00 pm - 05:30 pm	<i>Session 1C.</i> MBE: Bioeffects and dosimetry	<i>Session 2C.</i> MIM: Image/signal processing	<i>Session 3C.</i> MIM: Perfusion imaging	<i>Session 4C.</i> MTC: High frequency tissue characterization	<i>Session 5C.</i> Structural Health Monitoring	<i>Session 6C.</i> PA Nonlinear Acoustics I	<i>Session 7C.</i> Transducers for Medical Applications
07:30 pm - 09:00 pm	Welcome Reception (City Hall, offered by PZFlex)						

2016 IEEE IUS CONDENSED PROGRAM

Tuesday, September 20, 2016

Time	Auditorium de Ronsard (Level +1)	Auditorium Descartes (Level +1)	Room Chambord (Level +2)	Room Cheverny (Level +2)	Room Villandry (Level +2)	Room Amboise (Level +2)	Room Langeais (Level +2)
08:00 am - 09:30 am	<i>Session 1D.</i> MCA: New contrast agents and contrast agent physics	<i>Session 2D.</i> MEL: (Pre-)clinical applications of elasticity imaging	<i>Session 3D.</i> MTH: Blood brain barrier	<i>Session 4D.</i> MBB: High frame rate imaging	<i>Session 5D.</i> Material and Defect Characterization	<i>Session 6D.</i> PA Phononics	<i>Session 7D.</i> Applied CMUTs
09:30 am - 10:30 am	Coffee Break (offered by Region Centre) & Poster Session (Level -2)						
10:30 am - 12:00 pm	<i>Session 1E.</i> Clinical: Clinical applications of emerging ultrasound techniques	<i>Session 2E.</i> MIM: Cardiovascular imaging	<i>Session 3E.</i> MPA: Functional photoacoustic imaging of cells and tissues	<i>Session 4E.</i> MBB: Adaptive imaging and coherence-based beamforming	<i>Session 5E.</i> Signal Processing	<i>Session 6E.</i> Acoustic Nonlinearity	<i>Session 7E.</i> Front-end and Integrated Electronics
12:00 pm - 01:30 pm	Lunch Break						
01:30 pm - 03:00 pm	<i>Session 1F.</i> MEL: Cardiac strain and elasticity imaging	<i>Session 2F.</i> MCA: Molecular imaging and imaging of therapeutic response	<i>Session 3F.</i> MTH: Cavitation and microbubbles	<i>Session 4F.</i> MTC: Tissue characterization	<i>Session 5F.</i> Ultrasonics in Air and Water	<i>Session 6F.</i> PA Nonlinear Acoustics 2	<i>Session 7F.</i> Medical Imaging I
03:00 pm - 04:00 pm	Coffee Break (offered by Region Centre) & Poster Session (Level -2)						
04:00 pm - 05:30 pm	<i>Session 1G.</i> MTH: Ultrasound mediated agent delivery	<i>Session 2G.</i> MEL: Carotid elasticity imaging	<i>Session 3G.</i> MIM: Fast imaging strategies	<i>Session 4G.</i> MPA: Technical advances in photoacoustics	<i>Session 5G.</i> Transducers and Arrays	<i>Session 6G.</i> PA General Physical Acoustics	<i>Session 7G.</i> Memorial Session Franz Seifert
07:00 pm - 11:00 pm	Gala dinner (La Grange de Meslay)						

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Wednesday, September 21, 2016

Time	Auditorium de Ronsard (Level +1)	Auditorium Descartes (Level +1)	Room Chambord (Level +2)	Room Cheverny (Level +2)	Room Villandry (Level +2)	Room Amboise (Level +2)	Room Langeais (Level +2)
08:00 am - 09:30 am	<i>Session 1H.</i> MBF: Angiography and functional imaging	<i>Session 2H.</i> MEL: Novel shear wave imaging methods	<i>Session 3H.</i> MTH: Histotripsy, sonothrombolysis, and transcranial applications	<i>Session 4H.</i> MSP: Medical signal processing	<i>Session 5H.</i> NDE	<i>Session 6H.</i> PA Thin Films and Actuators	<i>Session 7H.</i> Microacoustic Materials and Propagation
09:30 am - 10:30 am	Coffee Break (offered by SFR neuroimagerie) & Poster Session (Level -2)						
10:30 am - 12:00 pm	<i>Session 1I.</i> MTH: Ultrasound therapy	<i>Session 2I.</i> MEL: Liver elasticity imaging	<i>Session 3I.</i> MBF: Innovations in algorithms and methods	<i>Session 4I.</i> MCA: Microvascular and perfusion imaging	<i>Session 5I.</i> Wave Propagation	<i>Session 6I.</i> Microacoustic Modeling	<i>Session 7I.</i> Therapeutics
12:00 pm - 01:30 pm	Lunch Break			PICMUS Challenge (Room Jeanne d'Arc, Level +1)			
01:30 pm - 03:00 pm	<i>Session 1J.</i> MTH: Therapy systems, devices, and treatment control	<i>Session 2J.</i> MEL: Elasticity imaging of the kidney and breast	<i>Session 3J.</i> MSD: Medical systems and devices II	<i>Session 4J.</i> MCA: Microbubble signal processing and dynamics	<i>Session 5J.</i> Ultrasonic Systems and Industrial Applications	<i>Session 6J.</i> Microacoustic Wireless Sensors and Bio-Sensing	<i>Session 7J.</i> CMUT Design
03:00 pm - 04:00 pm	Coffee Break (offered by SFR neuroimagerie) & Poster Session (Level -2)						
04:00 pm - 05:30 pm	<i>Session 1K.</i> MBF: Flow imaging: From 2D to 4D	<i>Session 2K.</i> MEL: Methods in elasticity imaging	<i>Session 3K.</i> MBB: Novel imaging methods	<i>Session 4K.</i> MTC: Bone	<i>Session 5K.</i> Energy harvesting and Flow Measurement	<i>Session 6K.</i> PA Opto-Acoustics	<i>Session 7K.</i> Medical Imaging II