

12:30 - 13:50	LUNCH		
	Room 1	Room 2	Room 3
	Probe (Nanoscale)	THz/IR/Raman II	Applications
KEYNOTE 13:50 - 14:20	209. (INVITED) In-Situ transmission electron microscopy investigation of ferroelectric domain switching induced by external stimulation - Liao, Xiaozhou	102. (INVITED) Driving structural dynamics in multiferroics and ferroelectrics with THz light - Johnson, Steven	22. (INVITED) Magnetoelectric gyrators for I-V conversion - Viehland, Dwight
INVITED 14:20 - 14:40	70. (INVITED) Magnetic resonance probing of ferroelectricity and magnetism in metal-organic frameworks - Bertaina, Sylvain	246. (INVITED) Surface plasmon resonance (SPR) based electro-optic and magneto-optic modulators - Gupta, Vinay	146. (INVITED) High-density ferroelectric random access memory using wall- current readout of binary information - Jiang, Anquan
INVITED 14:40 - 15:00	192. Surface acoustic wave devices for gas and biosensing applications - Tomar, Chowdhuri Monika	236. (INVITED) Micro-Raman spectroscopy of Doped-ZnO Ferromagnetic and Ferroelectric Nano-Materials with Multiple-Excitation wavelengths - Sharma, Shiv	414. (INVITED) Optimization of BST Phase Shifter Circuits for Beam-Steering Applications - Subramanyam, Guru
15:00 - 15:15	287. Imaging of non-collinear antiferromagnetic order and ferroelectric order in BiFeO ₃ - Fusil, Stephane	14. Ferroics and multiferroics, for Terahertz device design - Dutta, Moumita	193. ZnO/Si Lamb wave SAW devices - Ran, Lokesh
15:15 - 15:30	330. Probing Local and Global Ferroelectric Phase Transition in Single Phase Multiferroic Thin Films - Pradhan, Dhiren	377. Second-harmonic phonon spectroscopy of the model oxide α -quartz- Winta, Christopher J.	162. Effect of mechanical and electrical strain on bilayer polymer nonvolatile memory devices - Singh, Deepa
15:30 - 15:45	284. Probing the domain structures and the extrinsic contributions in piezoelectric materials - Zhang, Nan	401. (INVITED) On the origin of ferroelectricity in Hf _{0.5} Zr _{0.5} O ₂ thin films - Wei, Yingfen	234. Optimizing the performance of (Ba,Sr)TiO ₃ tunable capacitors for high figures of merit - Freeze, Christopher
15:45 - 16:00	344. Chemical Phenomena of Local Polarization Reversal in Ferroelectric Thin Films - Ievlev, Anton V.	252. Dielectric and ferroelectric properties of rare earth doped lead zirconate titanate ceramics - Bhattarai, Mohan	303. Device physics of polymeric ferroelectric memory diodes - Asadi, Kamal
16:00 - 16:15	TBD	TBD	53. Magnetoelectric nanorobots for remote controlled dynamically targeted live cell manipulation - Betal, Soutik