

12:30 - 13:50	LUNCH			
12:40 – 13:40	Women at the Frontier of Ferroelectrics (Room 4) – Chairs: R. Guo, L.D. Madsen			
	Room 1	Room 2	Room 3	Room 4
	Domains III	THz/IR/Raman I	Growth III	Energy Harvesting
KEYNOTE 13:50 - 14:20	220. (INVITED) Emergent chirality in oxide superlattices - Ramesh, Ramamoorthy/Pedriac Shafer	34. (INVITED) Ultrafast polarization dynamics in ferroelectric thin films - Lindenberg, Aaron	174. (INVITED) Crystalline phase, micro-structure and electrical properties of lead-free piezoelectric KNN-based films - Ren, Wei	242. (INVITED) The bulk photovoltaic effect in polar oxides for robust and efficient solar energy harvesting - Rappe, Andrew
INVITED 14:20 - 14:40	415. (INVITED) Atomic structure and dynamic behaviors of domain walls and polar vortices in multiferroic thin films - Pan, Xiaoqing/Li, Linze	44. (INVITED) Using intense THz pulses to probe and control dynamics in multiferroics - Prasankumar, Rohit	140. (INVITED) PLD growth of ultrathin SrTiO ₃ films on Si(100): coverage and thermal budget effects - Suvorov, Danilo	441. (INVITED) Defect engineered complex oxide thin films with anomalous multifunctionalities - ChongLin Chen
INVITED 14:40 - 15:00	90. (INVITED) Nanoscale domain structures in uniaxial ferroelectric single crystals - Shur, Vladimir	288. (INVITED) THz dielectric responses derived from dipole clusters of BaTiO ₃ -based ferroelectrics - Tsurumi, Takaaki	75. (INVITED) Transmission electron microscopy of multifunctional hard coatings - Jiang, Jiechao	425. (INVITED) Room-temperature aerosol deposition of ferroelectric ceramic films for power inverters in electric drive vehicles - U. Balu, Balachandran
15:00 - 15:15	375. Direct observation of charged domain walls in hybrid improper ferroelectric (Ca,Sr) ₃ Ti ₂ O ₇ - Mori, Shigeo	229. Terahertz dynamics of soft and central modes in ferroelectric superlattices - Razumnaya, Anna	345. Compressively strained lead titanate films - Zubko, Pavlo	232. Study of Electrocaloric Effect, Recoverable Energy Storage density, Dielectric and Piezoelectric Properties in Modified Barium Titanate - Khatun, Nasima
15:15 - 15:30	153. Electrical Control and Temperature Tuning of Chiral Phases in Electrotoroidic Nanocomposites - Walter, Raymond	247. Electric-field tuning of a planar terahertz metamaterial based on strained SrTiO ₃ layers - Kadlec, Christelle	365. Long-range Stripe Nanodomains in Epitaxial (110)BiFeO ₃ Thin Films on (100)NdGaO ₃ Substrate - Sharma, Yogesh	142. Phase Transitions in Doped Hafnia Thin Films for Pyroelectric Applications - Park, Min Hyuk
15:30 - 15:45	322. Towards functional polar domain walls in ferroelastic CaTiO ₃ - Guennou, Mael	262. Tunable terahertz range dielectric spectra of in domain-engineered ferroelectric nanostructures - Hlinka, Jiri	76. Microstructural development of hard Hf-B-Si-C-N coating at high temperatures - Shen, Yi	188. Flexible ferroelectric oxide films for mechanical energy harvesting - Jung, JongHoon
15:45 - 16:00	66. Probing ferroelectric domains with X-ray nanodiffraction - Hadjimichael Marios	77. Phonon-Polariton Dispersion Relation of Ferroelectric LiTaO ₃ Crystals - Kojima, Seiji	169. Charged defects in ferroelectric oxides: investigation of doped BaTiO ₃ thin films - Castro Chavarria, Christopher	298. Improved energy storage density and dielectric properties in La substituted BaTi _{0.95} Sn _{0.05} O ₃ - Kumar, R.
16:00 - 16:15	96. Effect of electric field on local structure probed by angular dependence of Raman scattering - Md Al, Helal	275. Resonance Damping of the THz-frequency Transverse Acoustic Phonon in the Relaxor Ferroelectric KTa _{1-x} Nb _x O ₃ - Iolin, Eugene	112. (INVITED) Direct synthesis of tetragonal BaTiO ₃ nanoparticles by sonochemical and surface active etching method - Vittayakorn, Naratip	TBD