

Thursday, September 7th, 2017				
08:10 - 09:00	Plenary 03 - 208. Guided materials design: Search for ferroelectrics with targeted properties - <b>Lookman, Turab</b>			
09:00 - 09:50	Plenary 04 - 35. Domain dynamics in multiferroics - <b>Fiebig, Manfred</b>			
09:50 - 10:20	COFEE BREAK			
	Room 1	Room 2	Room 3	Room 4
	Theory III	Dielectrics III	Relaxors III	Ferroics/Multiferroics III
<b>KEYNOTE</b> 10:20 - 10:50	<b>233.</b> (INVITED) Critical dynamics and formation of the intermediate ferroelectric phase in the Zr-rich $PZr_{(1-x)}Ti_xO_3$ - <b>Vakhrushev, Sergey</b>	<b>433.</b> (INVITED) What determines a highly piezoelectric morphotropic phase boundary? - <b>Xiaobing Ren</b>	<b>56.</b> (INVITED) On the paraelectric behavior of water at $T = T^* = 60$ °C as a polar liquid - <b>Gonzalo, Julio A.</b>	<b>72.</b> (INVITED) Static and dynamic magnetoelectric coupling in multiferroics: A review - <b>Kamba, Stanislav</b>
<b>INVITED</b> 10:50 - 11:15	<b>50.</b> (INVITED) Hybrid improper ferroelectricity in Ruddlesden-Popper $A_3B_2O_7$ ceramics - <b>Liu, Xiao Q.</b>	<b>227.</b> (INVITED) Metallic ferroics: Coexistence of noncentrosymmetry, metallicity, electron correlation and magnetism - <b>Gopalan, Venkatraman/Stone, Greg</b>	<b>189.</b> (INVITED) Defects and dielectric polarization in polar functional materials - <b>Liu, Yun</b>	<b>278.</b> (INVITED) Polarization and spin order pattern of multiferroic $RMn_2O_5$ based on a magnetic space group - <b>Noda, Yukio</b>
11:15 - 11:30	<b>134.</b> Experimental and theoretical determination of anharmonic soft phonons in the improper ferroelectric $YMnO_3$ - <b>Bansal, Dipanshu</b>	<b>276.</b> A study of the multiferroic state under high pressure across the phase diagram of $Mn_{(1-x)}Co_xWO_4$ for $0.05 > x > 0.17$ - <b>Gooch, Melissa</b>	<b>127.</b> Empirical correlations and a phenomenological description for relaxor dielectric response - <b>Grinberg, Ilya</b>	<b>268.</b> Effect of Magnetic and Electric Fields on Magnetization and Polarization of $BiMnO_3$ Multiferroics Film - <b>Alrub, Ahmad M. A. A.</b>
11:30 - 11:45	<b>181.</b> Pressure-induced transitions in ferroelectric single-crystal $PbZr_{0.54}Ti_{0.46}O_3$ - <b>Aihaiti, Muhetaer</b>	<b>122.</b> Highly resistive nanostructured $BiFeO_3$ monoliths by Spark- Plasma Sintering: A re-oxidation study - <b>Volnistem, Eduardo</b>	<b>186.</b> $Ba(Ga_xTa_x)Ti_{(1-2x)}O_3$ : Induced diffuse phase transitions using charge compensated dipole pairs (Ga-Ta) introduced in barium titanate parent matrix - <b>K. Veerapandian, Vignaswaran</b>	<b>141.</b> Effects of cryomilling on ferroic properties of $BiFeO_3$ nanoparticles and bulk ceramics - <b>Dias, Gustavo S.</b>
11:45 - 12:00	<b>173.</b> The symmetry-mode decomposition, structural refinement and ferroelectricity of $(1-x)AgNbO_3-(x)LiTaO_3$ - <b>Lu, Teng</b>	<b>372.</b> Synthesis, structure and piezo-/ferroelectric properties of a novel bismuth-containing ternary complex perovskite solid solution - <b>Liu, Zenghui/Ye Zuo-Gang</b>	<b>225.</b> Lattice dynamics, dielectric behaviour and acoustic waves in tetragonal tungsten-bronzes - <b>Buixaderas, Elena</b>	<b>83.</b> Improved Magnetic Properties, Dielectric and Structural Characterizations in Mn and Cr Doped $0.9BiFeO_3-0.1BaTiO_3$ Compositions - <b>Gotardo, Ricardo</b>
12:00 - 12:15	<b>436.</b> (INVITED) The role of strain and surface charge in stabilizing ferroic domains and atomic-scale dipole moments - <b>Yachin, Ivry</b>	<b>257.</b> (INVITED) Large Magnetolectric Couplings in Lead- free Nanocomposites - <b>Chen, Aiping</b>	<b>346.</b> The normal to diffuse phase transition crossover from thermal expansion analysis in calcium modified lead titanate – <b>Estrada/Flávia/García, Ducinei</b>	<b>148.</b> The Effect of Time-dependent Magnetic Field on Electrical Polarization in Bismuth Ferrite - <b>Sayedaghaee, S. Omid</b>
12:15 - 12:30	<b>219.</b> Piezoelectric response induced phase transition in perovskite thin films - <b>Lee, Hyeon J.</b>	<b>TBD</b>	<b>373.</b> An exceptional hysteresis-strain- thermal stability combination of electrostrain via re-entrant relaxor- ferroelectric composite - <b>Fang, Minxia</b>	<b>439.</b> Metaferroics: Higher field effects in a Multiferroic - <b>Kumar, Pradeep</b>