

# OVERVIEW

SCHEDULE TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
8H30-8H50	<b>Opening</b>			
	<b>Session A4</b>	<b>Session A2</b>	<b>Session A7</b>	<b>Session A5</b>
8H50-9H10	<b>A4T01</b> Ducharme (inv.)	<b>A2T01</b> Cao (inv.)	<b>A7T01</b> Dénoyer (inv.)	<b>A5T01</b> Wadhawan (inv.)
9H10-9H30	<b>A4T02</b> Eng (inv.)	<b>A2T02</b> Shur (inv.)	<b>A7T02</b> Luk'yanchuk (inv.)	<b>A5T02</b> Ye (inv.)
9H30-9H50	<b>A4T04</b> Alexe	<b>A2T03</b> Zolotoyabko	<b>A7T03</b> Scott (inv.)	<b>A5T03</b> Kolpakova
9H50-10H10	<b>A4T05</b> Roytburd	<b>A2T04</b> Sidorkin	<b>A7T04</b> Diestelhorst	<b>A5T05</b> Bravina (inv.)
10H10-10H40	<b>Coffee break</b>	<b>Coffee break</b>	<b>Coffee break</b>	<b>Coffee break</b>
	<b>Session A3</b>	<b>Session A2</b>	<b>Session A7</b>	<b>Session A5</b>
10H40-11H00	<b>A3T02</b> Dolino	<b>A2T05</b> Klapper	<b>A7T05</b> Courtens	<b>A5T06</b> Rychetsky
11H00-11H20	<b>A3T03</b> Aslanyan	<b>A2T06</b> Paruch (inv.)	<b>A7T06</b> Zapart	<b>A5T07</b> Kleemann
			<b>Sessions B1&amp;B5</b>	<b>POSTERS-IV</b>
11H20-11H40	<b>A3T04</b> Polomska	<b>A2T07</b> Kopal	<b>B1T01</b> Jung	
11H40-12H00	<b>A3T01</b> Korzhenevskii (inv.)	<b>A2T08</b> Damjanovic (inv.)	<b>B5T01</b> Tikhomirov	
	<b>Session A6</b>	<b>Session B2</b>	<b>Excursion</b> Visit to Porquerolles Island	
12H00-12H20	<b>A6T03</b> Boulbitch (inv.)	<b>B2T01</b> Blonkowski (inv.)		
12H20-13H50	<b>Lunch</b>	<b>Lunch</b>		
	<b>Session A6</b>	<b>Session B3</b>		
13H50-14H10	<b>A6T01</b> Topolov (inv.)	<b>B3T01</b> Zhu (inv.)		
14H10-14H30	<b>A6T02</b> Bratkovsky (inv.)	<b>B3T02</b> Fuksa		
14H30-14H50	<b>A6T05</b> Chaib	<b>B3T03</b> Kitamur		
14H50-15H10	<b>A6T06</b> Chandra (inv.)	<b>B3T04</b> Cho		
15H10-15H30	<b>A6T07</b> Sannikov	<b>B3T05</b> Hatch		
		<b>Session B4</b>		
15H30-15H50	<b>A6T08</b> Kats (inv.)	<b>B4T01</b> Glavatska (inv.)		
15H50-16H10	<b>Coffee break</b>	<b>B4T02</b> Kholkin		
16H10-16H20		<b>Coffee break</b>		
16H20-16H40	<b>OP-I</b>			
16H40-18H15			<b>OP-II</b>	
18H15-20H00	<b>POSTERS-I</b>	<b>POSTERS-II</b>	<b>POSTERS-III</b> + <b>Round Table R3</b>	
20H-21H	<b>Dinner</b>	<b>Dinner</b>	<b>Banquet</b>	
21H	<b>Round Table R1</b>	<b>Round Table R2</b>		
				<b>END</b>

# DETAILED PROGRAM

SCHEDULE TIME	MONDAY
8H30-8h50	<b>Opening</b>
	<b>Session A4 : Studies of thin films and size effects</b> Chairman : Gridnev S. A.
8H50-9H10	<b>A4T01</b> : The first observation of Landau-Ginzburg switching mechanism in the ultrathin ferroelectric films <b>Ducharme S.</b> (invited)
9H10-9H30	<b>A4T02</b> : Effective polarization, deposited charge, dielectric constant and built-in electric field in thin ferroelectric films determined from piezoresponse force microscopy and pull-off force measurements <b>Eng L.M.</b> (invited)
9H30-9H50	<b>A4T04</b> : Switching in ferroelectric films and mesoscopic structures <b>Alexe M.</b>
9H50-10H10	<b>A4T05</b> : The effect of 90-degree domains on piezo property of constrained ferroelectric films <b>Roytburd A. L.</b>
10H10-10H40	<b>Coffee-break</b>
	<b>Session A3 : Change of domain structures at phase transitions</b> Chairman : Hahn T.
10H40-11H00	<b>A3T02</b> : Study of the origin of the light scattering at the incommensurate transition of quartz <b>Dolino G.</b>
11H00-11H20	<b>A3T03</b> : On the Character of the Incommensurate Modulation near the Transition to the Triple-Period Phase <b>Aslanyan T.A.</b>
11H20-11H40	<b>A3T04</b> : Ferroelasticity of the $M\bar{6}H(XO_4)_2$ crystal family: domain structure, NIR Raman and pretransitional effects studies <b>Polomska M.</b>
11H40-12H00	<b>A3T01</b> : Motion of coated extended defects close to a bulk phase transition <b>Korzhenevskii A. L.</b>
	<b>Session A6 : Theory and modeling</b> Chairman : Roytburd A. L.
12H-12H20	<b>A6T03</b> : Universal properties of nucleation of a new phase at elastic defects during phase transitions <b>Boulbitch A.</b>
12H20-13H50	<b>lunch</b>
	<b>Session A6 (continued). Chairman : Roytburd A. L.</b>
13H50-14H10	<b>A6T01</b> : Intermediate monoclinic phases and stress relieving in heterophase $PbTiO_3$ -based solid solutions: a review <b>Topolov V.Y.</b> (invited)
14H10-14H30	<b>A6T02</b> : Phase transition and the properties of domain patterns in thin ferroelectric films <b>Bratkovsky A.M</b> (invited)
14H30-14H50	<b>A6T05</b> : Theoretical study of ferroelectric and optical properties in the $180^\circ$ ferroelectric domain wall of tetragonal $BaTiO_3$ <b>Chaib H.</b>
14H50-15H10	<b>A6T06</b> : Thickness-dependence of the coercitive field in ferroelectrics <b>Chandra P.</b> (invited)

<b>15H10-15H30</b>	<b>A6T07</b> :Domain wall in ferrotoroic phase of boracites <b>Sannikov D.G.</b>		
<b>15H30-15H50</b>	<b>A6T08</b> : New structures and phase transitions in free standing liquid crystalline films <b>Kats E.I.</b> (invited)		
<b>15H50-16H20</b>	<b>Coffee-break</b>		
<b>16H20-18H20</b>	<b>ORAL-POSTERS I</b>		
	<b>A1OP01-Arzel L.</b> <b>A1OP02-Guilbert L.</b> <b>A2OP01-Nikolaeva E. V</b> <b>A2OP02-Shishkin E. I..</b> <b>A2OP03-Kirpichnikova L</b> <b>A2OP04-Craciun F.</b> <b>A2OP05-Mueller V.</b> <b>A3OP02-Kirpichnikova L.</b>	<b>A3OP04-Kuwabara M.</b> <b>A3OP05-Vysochanskii Y.</b> <b>A3OP06-Markov Y. F.</b> <b>A3OP07-Badeche T.</b> <b>A4OP01-Ostapchuk T.</b> <b>A4OP02-Sawada A.</b> <b>A4OP03-Triscone J. M.</b> <b>A4OP04-Lichtensteiger C.</b>	<b>A4OP05-Chen H.</b> <b>A5OP01-Mroz B.</b> <b>A5OP02-Tyunina M.</b> <b>A5OP03-Vakhrushev S. B</b> <b>A5OP05-Naberezhnov A.</b> <b>A5OP06-Gadijev B.R.</b> <b>A5OP07-Cantoni M.</b> <b>A5OP08-Dammak H.</b>
<b>18H15-20H00</b>	<b>POSTERS I (above posters + posters of session A3)</b>		
<b>20H00-21H00</b>	<b>Dinner</b>		
<b>21H</b>	<b>ROUND TABLE I</b> <b>FeRAMs and ferroelectric thin films</b> <i>Animated by Bratkovsky A. M.</i>		

SCHEDULE TIME	TUESDAY
	<b>Session A2 : Dynamics of domain walls and switching phenomena</b> Chairman : Scott J. F.
8H50-9H10	<b>A2T01</b> : Probing Polarization Switching Mechanism Using Ultrasound <b>Cao W.</b> (invited)
9H10-9H30	A2T02 : From Slow to Superfast Sideways Motion of Ferroelectric Domain Boundaries <b>Shur V.Y.</b> (invited)
9H30-9H50	<b>A2T03</b> : Nanosecond-scale domain dynamics in BaTiO <sub>3</sub> films probed by time-resolved x-ray diffraction <b>Zolotoyabko E.</b>
9H50-10H10	<b>A2T04</b> : Processes of aging and degradation of polydomain ferroelectric material <b>Sidorkin A. S.</b>
10H10-10H40	<b>Coffee-break</b>
	<b>Session A2 (continued).</b> Chairman : Hlczzer B.
10H40-11H00	<b>A2T05</b> : Dynamics of domain formation and propagation in ferroelectric ammonium lithium sulphate under an electric field. <b>Klapper H.</b>
11H00-11H20	<b>A2T06</b> : Nanoscale control and domain wall creep in epitaxial Pb(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> films <b>Paruch P.</b> (invited)
11H20-11H40	<b>A2T07</b> : Interrelation of domain wall contributions to dielectric, piezoelectric and mechanical properties of a ferroic layer composite sample <b>Kopal A.</b>
11H40-12H00	<b>A2T08</b> : Order-disorder transition in "hard" PZT <b>Damjanovic D.</b> (invited)
	<b>Session B2. : High-k materials for microelectronics</b> Chairman : Hlczzer B.
12H-12H20	<b>B2T01</b> : High-K dielectrics for microelectronics: an overview <b>Blonkowski S.</b> (invited)
12H20-13H50	<b>lunch</b>
	<b>Session B3 : Domain engineering and photonics</b> Chairman : Sawada A.
13H50-14H10	<b>B3T01</b> : Microstructural design for phase-matching engineering <b>Zhu Y.Y.</b> (invited)
14H10-14H30	<b>B3T02</b> : What external fields can produce engineering domain structures? <b>Fuksa J.</b>
14H30-14H50	<b>B3T03</b> : Nanoscale domain patterning in a stoichiometric LiNbO <sub>3</sub> crystal <b>Kitamura K.</b>
14H50-15H10	<b>B3T04</b> : Tbit/inch <sup>2</sup> data storage using scanning nonlinear dielectric microscopy <b>Cho Y.</b>
15H10-15H30	<b>B3T05</b> : Symmetry considerations of multi-domain formation in phase transitions <b>Hatch D.M.</b>
	<b>Session B4. :Piezoelectric materials, transducers, sensors, actuators, S.M.A., ....</b> Chairman : Wadhawan V. K.
15H30-15H50	<b>B4T01</b> : Redistribution of twin martensitic domains in magnetic shape memory Ni <sub>2</sub> MnGa alloys caused by external magnetic field <b>Glavatska N.</b> (invited)
15H50-16H10	<b>B4T02</b> : Electromechanical properties of ferroelectric thin films: local vs. macroscopic behavior <b>Kholkin A.L.</b>

<b>16H10-16H40</b>	<b>Coffee-break</b>		
<b>16H40-18H10</b>	<b>ORAL- POSTERS II</b>		
	<b>A6OP01-Drozhdin S.N.</b> <b>A6OP02-Stephanovich VA.</b> <b>A6OP03-Yilmaz S.</b> <b>A6OP04-Burton B. P.</b> <b>A6OP05-Sannikov D. G.</b> <b>A7OP02-Liu Y.</b>	<b>A7OP03-Malovichko G</b> <b>B1OP01-Fujisaki Y.</b> <b>B3OP01-Dammak H.</b> <b>B4OP01-Boulesteix C.</b> <b>B4OP02-Topolov V. Y.</b> <b>B4OP03-Pasquale M.</b>	<b>B4OP04-Nosek J.</b> <b>B4OP05-RoytburdA.L.</b> <b>B5OP01-Kojima S.</b> <b>B5OP02-Muñoz-S J.</b> <b>B5OP03-Cho Y.</b>
<b>18H10-20H00</b>	<b>POSTERS II (above posters + posters of sessions A4 and A6)</b>		
<b>20H00-21H00</b>	<b>Dinner</b>		
<b>21H</b>	<b>ROUND TABLE II</b> <b>Domain walls structure and properties</b> <i>Introduction (see A6OP06) and Animation by Janovec V.</i>		

SCHEDULE TIME	<b>Wednesday</b>
	<b>Session A7: Interdisciplinary topics and unifying aspects</b> Chairman : Levanyuk A. P.
<b>8H50-9H10</b>	<b>A7T01</b> : Quasicrystals and Complex Domain Arrangements of Approximant Phases <b>Dénoyer F.</b> (invited)
<b>9H10-9H30</b>	<b>A7T02</b> : Structural organization of composite domains. From ferro- and piezoelectrics to liquid crystals and superconductivity <b>Luk'yanchuk I.A.</b> (invited)
<b>9H30-9H50</b>	<b>A7T03</b> : Unsolved Problems in Ferroelectric Switching <b>Scott J.F.</b> (invited)
<b>9H50-10H10</b>	<b>A7T04</b> : Stochastic resonance and domain switching <b>Diestelhorst M.</b>
<b>10H10-10H40</b>	<b>Coffee-break</b>
	<b>Session A7 (continued). Chairman : Kleemann W.</b>
<b>10H40-11H00</b>	<b>A7T05</b> : Low-T ferroelectric instability in antiphase domain boundaries of strontium titanate <b>Courtens E.</b>
<b>11H00-11H20</b>	<b>A7T06</b> : Domain walls structure as studied by EPR <b>Zapart W.</b>
	<b>Sessions B1 (FeRAMs and Integrated ferroelectric films) &amp; B5 (Innovations and development of techniques). Chairman : Cao W.</b>
<b>11H20-11H40</b>	<b>B1T01</b> : Domain dynamics and switching in 1-micron wafer scale PZT devices <b>Jung D.J.</b>
<b>11H40-12H00</b>	<b>B5T01</b> : Study of the ferroelectric domain structure and phase transitions by confocal scanning optical microscopy <b>Tikhomirov O.</b>
<b>12H00-13H00</b>	<b>Lunch</b>
<b>13H00-17H30</b>	<b>Excursion at Porquerolles Island</b>
<b>18H15-20H00</b>	<b>POSTERS III (posters of sessions A2, A7, B1, B2, B3, B4, B5)</b> + <b>ROUND TABLE III</b> <b>Domain engineering</b> <i>Animated by Zhu Y. Y.</i>
<b>20H00</b>	<b>BANQUET</b>

SCHEDULE TIME	THURSDAY
	<b>Session A5 : Nano and mesoscopic structures, including relaxors, glasses and IC phases.</b> Chairman : Courtens E.
<b>8H50-9H10</b>	<b>A5T01 :</b> Some recent experiments on PMN and related relaxor ferroelectric ceramics <b>Wadhawan V.K. (invited)</b>
<b>9H10-9H30</b>	<b>A5T02 :</b> Morphotropic phase boundary-related domain structures and properties of relaxor ferroelectric single crystals <b>Ye Z.G. (invited)</b>
<b>9H30-9H50</b>	<b>A5T03 :</b> Recent understanding the dielectric relaxation processes, domain evolution and disordering in Cd <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> pyrochlore <b>Kolpakova N.N.</b>
<b>9H50-10H10</b>	<b>A5T05 :</b> Ferroelectric characterization of meso-scaled structures with polar and optical active clusters <b>Bravina S.L. (invited)</b>
<b>10H10-10H40</b>	<b>Coffee-break</b>
	<b>Session A5 (continued).</b> Chairman : Litvin D. B..
<b>10H40-11H00</b>	<b>A5T06 :</b> Constant low-temperature losses in relaxor ferroelectrics <b>Rychetsky I.</b>
<b>11H00-11H20</b>	<b>A5T07 :</b> Non-Debye domain wall-induced dielectric response in SBN:Ce (Sr <sub>0.603</sub> Ce <sub>0.007</sub> Ba <sub>0.39</sub> Nb <sub>2</sub> O <sub>6</sub> ) <b>Klemann W.</b>
<b>11H20-12H20</b>	<b>POSTERS IV (posters of sessions A1 and A5)</b>
<b>12H20-13H50</b>	<b>Lunch</b>
	<b>Session A1 : Static domain structures in crystals and ceramics.</b> Chairman : Castellanos-Guzman A.
<b>13H50-4H10</b>	<b>A1T01 :</b> Formation of order of cesium dihydrogen phosphate in a depolarization field <b>Ozaki T.</b>
<b>14H10-14H30</b>	<b>A1T02 :</b> "Forbidden" domain structure in langbeinite crystals <b>Vlokh R. (invited)</b>
<b>14H30-14H50</b>	<b>A1T03 :</b> Domain structure at phase transitions in slightly inhomogeneous ferroelectrics <b>Levanyuk A. P. (invited)</b>
<b>14H50-15H00</b>	<b>Closure</b>
<b>15H00</b>	<b>END</b>