

Technical Program Guidelines

➤ **Legends:**

- PL = Plenary Lecture
- M-AM-A-2-I (114) = Monday, AM, Session A, 2nd Talk, Invited (AR#)
- W-PM-D-4-O (325) = Wednesday, PM, Session D, 4th talk, Oral (AR#)
- PC = Student Poster Competition
- P = Poster
- AR# = Abstract Receiving Number

➤ **Length of Oral Presentations:**

- Plenary Lectures are for 45 min.
- Invited talks are for 30 min. including a 5 min. questions period.
- Oral presentations are for 15 min. including a 3 min. questions period.

➤ **AV Equipment:**

- A standard laptop (PC) and a LCD projector are provided in each room.
- Speakers are required to upload their PowerPoint files prior to the start of their session.

➤ **Poster Session:**

- The Poster Session takes place on Monday, July 25, from 6:00 PM - 9:00PM, in Salon ABC.
- Presenters are required to stay at posters.
- The dimensions of the posters must not exceed 1.2 m (4 feet) wide (horizontal), and 1.5 m (5 feet) long (vertical).
- Posters must be taken down by 9:00pm on July 25.

➤ **Short Courses:**

- The Short Courses on Piezo-/Ferroelectrics and Piezoresponse Force Microscopy will take place on Sunday, July 24, from 8:30am – 6:00pm, in Cypress Room.
- On-site PFM demonstration and sample testing are available to the course attendants.

➤ **Workshop on Piezoelectric Single Crystals:**

- The Workshop on Piezoelectric Single Crystals will be held on Sunday July 24, from 12:00 noon to 6:00pm, in Mackenzie Room.

➤ **Abstracts**

- All the abstracts can be found in the complimentary ISAF-PFM-2011 USB memory stick.

List of Presenting Authors

Abazari, Maryam	M-AM-C-3-O, AR387	LEAKAGE CURRENT BEHAVIOR IN LEAD-FREE FERROELECTRIC KNN-LT-LS THIN FILMS
Aihaiti, Muhetaer	T-PM-D-5-I, AR158	PRESSURE-COMPOSITION PHASE DIAGRAM OF $Pb(Mg_{1/3}Nb_{2/3})O_3-xPbTiO_3$ SOLID SOLUTIONS
Akedo, Jun	T-PM-B-1-I, AR176	PROGRESS OF AEROSOL DEPOSITION PROCESS ON PIEZOELECTRIC MATERIALS AND APPLICATION TO OPTICAL MICRO SCANNER
Aksel, Elena	T-PM-C-3-O, AR357	STRUCTURE AND PROPERTY TRANSITIONS IN Fe-DOPED SODIUM BISMUTH TITANATE
Alamin Dow, Ali Badar	W-PM-A-6-O, AR349	ANALYSIS AND MODELING OF AIN BIMORPH PIEZOELECTRIC AUTONOMOUS MICROGENERATOR
Alberta, Ed	W-AM-A-1-I, AR087	FERROELECTRIC MATERIALS FOR EXPLOSIVELY DRIVEN PULSED POWER SYSTEMS
Ananta, Supon	P13, AR485	EFFECT OF TWO-STAGE SINTERING TECHNIQUE ON PHASE FORMATION, DENSIFICATION AND MICROSTRUCTURE OF $Zn_3Nb_2O_8$ CERAMICS
Ando, Akira	Plenary PL-6, AR002	RECENT PROGRESS ON FERROELECTRIC CERAMICS
Andrejs, Lukas	T-PM-E-3-O, AR208	RESISTANCE DEGRADATION IN DONOR-DOPED PZT UNDER ELECTRICAL FIELD: IDENTIFICATION OF CONDUCTIVE PATHS AND MECHANISM
Andrejs, Lukas	P31, AR465	FORMATION OF ANODIC PRECIPITATES ON THE SURFACE OF PZT LAYERS WITH Ag/Pd ELECTRODES
Ansell, Troy	P136, AR538	HIGH TEMPERATURE PIEZOELECTRIC MATERIALS BASED ON $PbTiO_3-BiScO_3-Bi(X_{0.5}Ti_{0.5})O_3$, WHERE X = Mg AND Zn
Anton, Eva Maria	W-PM-C-3-O, AR365	STRUCTURAL STUDY AND PHASE TRANSITIONS OF LEAD-FREE $Bi_{1/2}Na_{1/2}TiO_3-Bi_{1/2}K_{1/2}TiO_3-(K_{0.5}Na_{0.5}NbO_3)$ CERAMICS
Aoyagi, Rintaro	T-PM-C-6-I, AR188	TEMPERATURE DEPENDENCES OF ELECTRICAL PROPERTIES IN $(Li,Na)NbO_3$ LEAD-FREE PIEZOELECTRIC CERAMICS
Arredondo, Miryam	PC34, AR610	CHEMISTRY OF RUDDLESDEN-POPPER PLANAR FAULTS AT A FERROELECTRIC-FERROMAGNET PEROVSKITE INTERFACE
Baddorf, Arthur	T-AM-C-6-I, AR142	THE INFLUENCE OF INTERFACES ON POLARIZATION IN THIN FILMS

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Banerjee, Nirupam	P75, AR539	<i>MULTIPLE SWITCHING AT ULTRA-THIN FERROELECTRIC FILMS</i>
Banys, Julia	P188, AR557	<i>DIELECTRIC STUDIES OF $Ba_2Pr_xNd_{1-x}FeNb_4O_{15}$ RELAXOR CERAMICS</i>
Bassignot, Florent	PC25, AR613	<i>NEW ACOUSTIC RESONATOR BASED ON PERIODICALLY POLED TRANSDUCER IN LITHIUM NIOBATE OR TANTALATE</i>
Bassignot, Florent	P137, AR536	<i>ACOUSTIC WAVE FILTER BASED ON PERIODICALLY POLED LITHIUM NIOBATE</i>
Bassiri-Gharb, Nazanin	M-PM-E-3-O, AR386	<i>ARBITRARY-SHAPED FERROELECTRIC NANOSTRUCTURES PATTERNED VIA THERMOCHEMICAL NANOLITHOGRAPHY</i>
Bastani, Yaser	PC37, AR628	<i>STRUCTURE AND PROPERTIES OF EPITAXIAL-LIKE POLYCRYSTALLINE PZT SUPERLATTICES PROCESSED BY CHEMICAL SOLUTION DEPOSITION</i>
Bauer, Francois	T-PM-D-4-O, AR204	<i>ADVANCES IN RELAXOR FERROELECTRIC TERPOLYMER: NEW APPLICATIONS</i>
Bauer, Francois	P189, AR223	<i>RELAXOR FLUORINATED POLYMERS: NOVEL APPLICATIONS AND RECENT DEVELOPMENTS</i>
Bdikin, Igor	P121, AR540	<i>FERROELECTRIC-PARAELECTRIC PHASE TRANSITION IN TGS SINGLE CRYSTALS BY PFM</i>
Belan, Reagan	PC6, AR618	<i>OPTIMIZED GROWTH AND PIEZO-/FERROELECTRIC PROPERTIES OF $Pb(Mg_{1/3}Nb_{2/3})O_3$-$PbTiO_3$-$Bi(Zn_{1/2}Ti_{1/2})O_3$ TERNARY SINGLE CRYSTALS</i>
Bell, Andrew	W-AM-E-2-I, AR706	<i>IMPEDANCE SPECTROSCOPY AND DIELECTRIC MODELLING OF $(K_xNa_{1-x})_{1/2}Bi_{1/2}TiO_3$</i>
Bennett, James	P14, AR202	<i>FERROELECTRIC AND STRUCTURAL PROPERTIES OF $(1-x)BiFeO_3$-$(K_{0.5}Bi_{0.5})TiO_3$ PIEZOELECTRIC CERAMIC SYSTEM</i>
Blendell, John	P15, AR391	<i>DOMAIN ALIGNMENT AND PHASE STABILITY IN LEAD FREE PIEZOELECTRICS</i>
Bokov, Alexei A.	W-PM-E-2-I, AR092	<i>CRITICAL BEHAVIOUR AT FERROELECTRIC PHASE TRANSITIONS</i>
Bonnell, Dawn	M-PM-E-5-I, AR156	<i>STRAIN, INTERNAL ELECTRIC FIELDS AND DOMAIN MORPHOLOGY IN FERROELECTRIC SUPERLATTICES</i>

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Bormanis, Karlis	P7, AR461	<i>PRINCIPLES OF DESIGNING CONTAINERS FOR THERMO-CHEMICAL TREATMENT OF HIGH PURITY COMPOUNDS</i>
Bormanis, Karlis	P76, AR459	<i>APPLICATION OF FERROELECTRIC LiNbO_3 SINGLE CRYSTALS CONTAINING INACTIVE PHOTOVOLTAIC DOPANTS FOR RECORDING INFORMATION</i>
Borodavka, Fedir	PC24, AR609	<i>STUDY OF LOCAL DOMAIN STRUCTURE IN $\text{LiTa}_{1-x}\text{Nb}_x\text{O}_3$ AND VTE-TREATED LiTaO_3 CRYSTALS BY BIREFRINGENCE IMAGING, RAMAN SPECTROSCOPY AND PIEZO FORCE MICROSCOPY</i>
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Bosak, Alexei	M-P-M-A-6-O, AR769	<i>PIEZORESPONSE FORCE MICROSCOPY OF RELAXOR FERROELECTRICS</i>
Brookshire, Kirsten	W-PM-A-7-O, AR366	<i>UNIPOLAR FATIGUE IN $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ THIN FILMS</i>
BUITHI, Kim-Anh	T-PM-B-6-O, AR368	<i>STRUCTURAL AND FERROELECTRIC PROPERTIES OF <011>-ORIENTED PMN-PT THIN FILMS</i>
Burnett, Tim	T-AM-C-4-O, AR705	<i>DOMAIN DYNAMICS IN BaTiO_3 SINGLE CRYSTALS WITHIN A FEW DEGREES OF THE FERROELECTRIC-PARAELECTRIC TRANSITION</i>
Burnett, Tim	W-AM-D-4-O, AR389	<i>IN-SITU REAL TIME STRUCTURAL RESPONSE OF A FERROELECTRIC TO AN APPLIED EXTERNAL ELECTRIC FIELD OF VARYING FREQUENCY</i>
Burnett, Tim	P81, AR704	<i>STRAIN DEPENDENT PROPERTIES OF BISMUTH FERRITE LEAD TITANATE PROBED BY PIEZORESPONSE FORCE MICROSCOPY</i>
Burton, John	M-PM-B-2-I, AR193	<i>GIANT INTERFACE MAGNETOELECTRIC EFFECT ON TRANSPORT IN A COMPLEX OXIDE FERROELECTRIC TUNNEL JUNCTION</i>
Bygrave, Faye	T-PM-B-10-O, AR307	<i>INTERDIFFUSION AT THE SUBSTRATE-FILM INTERFACE OF BiFeO_3-PbTiO_3 THIN FILMS on Pt/Si</i>
Bygrave, Faye	PC40, AR312	<i>STRAIN INDUCED AT THE SUBSTRATE-FILM INTERFACE IN BiFeO_3-PbTiO_3 THIN FILMS PREPARED BY PULSED LASER DEPOSITION</i>

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Bykov, Igor	P164, AR219	CHARACTERIZATION OF LOCAL STRUCTURE IONS Fe^{3+} IN SOLID SOLUTION $PbTi_{1-x}Zr_xO_3$ AND THEIR INFLUENCE ON THE ELECTROPHYSICS PARAMETERS OF PIEZOCERAMIC BY EPR SPECTROSCOPY
Cambridge, Clare	W-AM-B-5-O, AR719	GROWTH AND CHARACTERIZATION OF HIGH QUALITY $BiFeO_3$ - $PbTiO_3$ SINGLE CRYSTALS
Cao, Guozhong	M-PM-E-1-I, AR147	HYDROTHERMAL GROWTH OF SINGLE CRYSTAL PZT SUBMICROSIZED PARTICLES WITH CONTROLLED SIZE
Cao, Haixia	P201, AR286	FIRST PRINCIPLES STUDY OF ELECTRONIC STRUCTURE AND MAGNETISM OF $EuTiO_3$
Cao, Minghe	P165, AR403	THE EFFECT OF TEMPLATE MORPHOLOGIES ON MICROSTRUCTURE AND PROPERTIES OF TEXTURED $K_{0.5}Na_{0.5}NbO_3$ CERAMICS BY RTGG METHOD
Caruntu, Gabriel	T-PM-E-7-I, AR334	FERROELECTRIC MONODISPERSE CUBE-LIKE $BaTiO_3$ COLLOIDAL NANOCRYSTALS AS BUILDING BLOCKS FOR THE DESIGN OF MULTIFERROIC NANOCOMPOSITES
Caruntu, Gabriel	P82, AR480	SOLUTION-BASED FABRICATION OF MAGNETOELECTRIC SPINEL-PEROVSKITE BILAYERED NANOSTRUCTURES BY LIQUID PHASE DEPOSITION
Chae, MunSoon	P166, AR402	Ag_2O DOPED $(K_{0.5}Na_{0.5})NbO_3$ - $LiNbO_3$ LEAD-FREE PIEZOELECTRIC CERAMICS
Chakhalian, Jak	T-PM-E-10-I, AR090	STRONGLY CORRELATED ELECTRONS AND POLAR COMPENSATION IN HETEROSTRUCTURES OF RARE-EARTH NICKELATES
Chan, Helen	T-AM-A-1-I, R121	FABRICATION AND CHARACTERIZATION OF RADIAL ARRAY ENDOSCOPIC ULTRASOUND TRANSDUCERS
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Chen, HsiangJung	P102, AR473	PHASE TRANSFORMATION OF STRAIN DRIVEN MORPHOTROPIC PHASE BOUNDARIES IN $BiFeO_3$ THIN-FILMS
Chen, Jun	W-AM-D-5-O, AR227	STRUCTURE STUDIES OF HIGH- T_c PIEZOELECTRICS $PbTiO_3$ - $BiMeO_3$ IN THE TETRAGONAL PHASE ($Me = Fe, Zn_{1/2}Ti_{1/2}$, AND Sc)
Chen, Ling	T-PM-B-11-O, PC15, AR629	STRUCTURAL, ELECTRICAL AND MAGNETIC PROPERTIES OF $0.9BiFeO_3$ - $0.1DyFeO_3$ MULTIFERROIC THIN FILMS PREPARED BY PULSED LASER DEPOSITION

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Chen, Long-Qing	T-AM-E-1-I, AR089	PHASE-FIELD MODELING OF FERROELECTRIC DOMAIN STRUCTURES
Chen, Xiaobing	P100, AR267	STRUCTURAL, MAGNETIC AND FERROELECTRIC PROPERTIES OF $\text{Bi}_5\text{FeTi}_3\text{O}_{15}$ AND $\text{Bi}_5\text{Fe}_{0.5}\text{Co}_{0.5}\text{Ti}_3\text{O}_{15}$ CERAMIC
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Chen, Yanfeng	M-AM-E-3-O, AR187	ACOUSTIC SUPERLATTICE MADE OF ORDERED MULTIDOMAIN FERROELECTRICS
Chen, Yi-Chun	P60, AR408	REALIZATION AND MANIPULATION OF DOMAIN STRUCTURES IN STRAINED BFO FILMS
Chen, Zhenqiang	P16, AR353	CHARACTERIZATION OF NOVEL CRYSTAL $\text{Na}_5\text{Bi}(\text{WO}_4)_2(\text{MoO}_4)_2\cdot\text{Yb}^{3+}$
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Cheng, Jinrong	P9, AR479	FABRICATION AND CHARACTERIZATION OF DISK -TYPE TRANSFORMERS BY USING $(\text{Bi}, \text{La})\text{FeO}_3\text{-PbTiO}_3$ PIEZOELECTRIC CERAMICS
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Choi, Jaeho	W-PM-D-5-O, AR398	ELECTRON RADIATION ENHANCEMENT BY RADIATION HEAT
Chou, Chenchia	P33, AR751	DEVELOPMENT OF $\text{MgCaSi}_2\text{O}_6$ DIOPSIDE GLASS-CERAMICS AS MICROWAVE DIELECTRIC MATERIALS

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Chou, Chenchia	P42, AR547	<i>MICROSTRUCTURAL EVOLUTION AND ELECTRIC PROPERTIES OF BASE-METAL ELECTRODED $BaTi_4O_9$ MATERIALS WITH Ba-B-Si-Zn-O GLASS SYSTEM</i>
Chu, Ying Hao	W-PM-B-4-I, AR104	<i>FUNCTIONALITY DESIGN AND MISORIENTATION CONTROL IN SELF-ASSEMBLE PEROVSKITE-SPINEL HETERO-EPTAXIAL NANOSTRUCTURES</i>
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Cross, L. Eric	T-PM-C-1-I, AR152	<i>FLEXOELECTRIC COMPOSITES – THE CUTTING EDGE FOR NEW LEAD-FREE PIEZOCERAMICS</i>
Crumlin, Ethan	T-PM-E-5-I, AR100	<i>A MODEL SYSTEM APPROACH TO INVESTIGATE AND IMPROVE SOFC CATHODE MATERIALS</i>
Dabra Navneet	P77, AR257	<i>SWITCHING KINETICS OF THE FERROELECTRIC POTASSIUM NITRATE: POLY (VINYL ALCOHOL) COMPOSITE FILMS</i>
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Dong, Shuxiang	T-AM-A-2-I, WS-IV-2 AR185	A PIEZOELECTRIC SINGLE-CRYSTAL ULTRASONIC MICRO-ACTUATOR FOR DRIVING OPTICS
Dong, Shuxiang	P233, AR397	A PIEZOELECTRIC $Pb(In_{1/2}Nb_{1/2})O_3$ - $Pb(Mg_{1/3}Nb_{2/3})O_3$ - $PbTiO_3$ SINGLE-CRYSTAL BASED ULTRASONIC MICRO-MOTOR WITH SUPERHIGH POWER DENSITY
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ELISSALDE, Catherine	M-AM-B-1-I, AR139	CONTROL OF INTERFACES AT DIFFERENT SCALES IN FUNCTIONAL OXIDES SINTERED BY SPARK PLASMA SINTERING
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Evans, Joe	T-PM-A-4-O, AR745	UNPOWERED EVENT DETECTION WITH AN AUTONOMOUS FERROELECTRIC CAPACITOR CIRCUIT
Evans, Paul	W-AM-D-6-I, AR199	STRUCTURAL CONSEQUENCES OF FERROELECTRIC NANOLITHOGRAPHY
Ewart, Lynn	WS-IV-4, AR086	THE DRAFT STANDARD FOR RELAXOR-BASED PIEZOELECTRIC SINGLE CRYSTAL MATERIALS FOR TRANSDUCER AND ACTUATOR APPLICATIONS: ACCOMPLISHMENTS OF A DECADE

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Fang, Fei	W-PM-B-3-O, AR341	MICROSTRUCTURAL EFFECTS ON MAGNETOELECTRIC COUPLING FOR TERFENOL-D/P(VDF-TRFE)/TERFENOL-D LAMINATES
Finkel, Peter	W-AM-C-4-O, AR259	LARGE DISPLACEMENT ACOUSTIC SOURCE USING PHASE TRANSITION IN RELAXOR-FERROELECTRIC $Pb(In_{1/2}Nb_{1/2})O_3$ - $Pb(Mg_{1/3}Nb_{2/3})O_3$ - $PbTiO_3$ SINGLE CRYSTALS
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Fu, Richard	P140, AR251	INTEGRATED PIEZOELECTRIC AND FERROELECTRIC THIN FILMS FOR PASSIVE TELEMETRIC TRANSPONDERS
Fujii, Ichiro	T-PM-C-10-O, AR331	STRUCTURAL, DIELECTRIC, AND PIEZOELECTRIC PROPERTIES OF $BaTiO_3$ - $Bi(Mg_{1/2}Ti_{1/2})O_3$ - $BiFeO_3$ CERAMICS
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Gao, Junjie	P141, AR416	THE HYDROSTATIC PIEZOELECTRICITY AND ITS PRESSURE DEPENDENCE FOR SEVERAL KINDS OF CONVENTIONAL PIEZOCERAMICS AND PIEZOCRYSTALS

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Garcia M., Angel	P56, AR556	FERROELASTIC DOMAIN DYNAMICS IN PZT THIN FILMS
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Gehring, Peter	T-PM-D-1-I, AR144	A COMPARISON OF COMPLEX LEAD-OXIDE PEROVSKITES IN THE LIMITS OF WEAK AND STRONG RANDOM ELECTRIC FIELDS: PZT VERSUS PMN
Genenko, Yuri	W-AM-E-5-O, AR293	DIRECT EXTRACTION OF THE SWITCHING TIME DISTRIBUTION FROM POLARIZATION REVERSAL DATA OF VIRGIN AND FATIGUED FERROELECTRIC CERAMICS: AN INHOMOGENEOUS FIELD MECHANISM APPROACH
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Gervacio, Jose	PC35, AR616	CHARACTERIZATION OF LOCAL PIEZOELECTRIC BEHAVIOR OF FERROELECTRIC $GeSbTe$ THIN FILMS
Gervacio, Jose	P25, AR537	PFM CHARACTERIZATION OF $(K_{0.5}Na_{0.5})_{0.95}La_{0.05}(Nb_{0.9}Ti_{0.05})O_{2.9}$ CERAMICS LEAD FREE
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Yang, Tongqing	W-PM-D-3-O, AR236	PYROELECTRIC AND ELECTROCALORIC EFFECT IN $(Pb,Lu)(Zr,Sn,Ti)O_3$ ANTIFERROELECTRIC CERAMICS
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ISAF-PFM-2011

The Westin Bayshore Hotel, Vancouver, B.C., Canada

Technical Program / Schedule

Sunday, July 24, 2011

8:30-18:00	Short Courses (Cypress Room)
12:00-18:00	PiezoCrystals Workshop (Mackenzie Room)
18:30-20:00	Welcome Reception (Currents Restaurant/Pool-Garden Area)

Monday, July 25, 2011, AM

7:50 -8:10	Opening / UFFC Society Awards (Salon ABC)		
8:10 - 8:55	Plenary PL-1 (Salon ABC)	F. Stuart Foster	<i>From Ferroelectricity To Mice To People</i>
8:55 - 9:40	Plenary PL-2 (Salon ABC)	Zhong Lin Wang	<i>Nanogenerators And Piezotronics</i>
9:40 - 10:00	Morning Break/Exhibition (Bayshore Grand Foyer)		

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10:00 - 10:30	M-AM-A-1-I (393) Harold C. Robinson	M-AM-B-1-I (139) Catherine Elissalde	M-AM-C-1-I (106) Cheol Seong Hwang	M-AM-D-1-I (128) Hong Wang	M-AM-E-1-I (198) Beatrix Noheda
	<i>Single Crystal Projectors For Compact, Broadband Sonar</i>	<i>Control Of Interfaces At Different Scales In Functional Oxides Sintered By Spark Plasma Sintering</i>	<i>Collective Motion Of Nano-Filaments In Pt/N-Type TiO₂/P-Type NiO/Pt Stacked Resistance Switching Memory</i>	<i>Novel Dielectric Materials For Microwave Passive Integration</i>	<i>Leakage Currents At Domain And Domain Walls Of BiFeO₃ Thin Films</i>
10:30 - 11:00	M-AM-A-2-I (114) Laurent Lebrun	M-AM-B-2-I (125) James Rondinelli	M-AM-C-2-I (111) Jan Seidel	M-AM-D-2-I (174) Dokyun Kwon	M-AM-E-2-I (184) Xiaoqing Pan
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11:00 - 11:15	M-AM-A-3-O (340) Markus Floessel	M-AM-B-3-O (762) Tim Stevenson	M-AM-C-3-O (387) Maryam Abazari	M-AM-D-3-O (281) Satoshi Wada	M-AM-E-3-O (187) Yanfeng Chen
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11:15 - 11:30	M-AM-A-4-O (306) Natchpong Hatti	M-AM-B-4-O (169) Tomoaki Yamada	M-AM-C-4-O (162) Sergei V. Kalinin	M-AM-D-4-O (207) Freedy Ponchel	M-AM-E-4-I (170) Kenji Kitamura
	<i>PZT Energy Harvesting And Management Circuits For Prosthetic Legs</i>	<i>Novel Tetragonal Ferroelectric Materials For Morphotropic Phase Boundaries</i>	<i>Topological defects in ferroelectrics: Manipulation and characterization</i>	<i>Comparison Of The Tunability Performances And Loss Factor Up To 60 GHz Of Some Ferroelectric Materials: Bst And Doped BST, PST, Hetero Structures BST/BZN</i>	<i>Applications Of Surface Potentials On Domain-Engineered Lithium Niobate Template</i>
11:30 - 11:45	M-AM-A-5-O (390) S. Trolier-McKinstry	M-AM-B-5-O (220) Alp Sehirlioglu	M-AM-C-5-O (210) Herbert Schroeder	M-AM-D-5-O (743) Natthaphon Raengthon	
	<i>PZT Microelectromechanical Systems For Inkjet Printing</i>	<i>Ternary Morphotropic Phase Boundaries For High Temperature Piezoelectrics</i>	<i>Leakage Current Simulation</i>	<i>Dielectric Relaxations In BaTiO₃ - Bi(Zn_{1/2}Ti_{1/2})O₃ Ceramics For High Temperature Capacitor Applications</i>	
11:45 - 12:00	M-AM-A-6-I (154) Sorah Rhee	M-AM-B-6-O (721) Silke Schaab	M-AM-C-6-O (758) Amit Kumar	M-AM-D-6-O (345) Christopher DiAntonio	M-AM-E-5-I (190) Vladimir Shur
12:00 - 12:15	<i>Ultrasonic Tools For Surgery</i>	<i>Phase Identity And Its Thermal Evolution Of BNT-6BT Piezoceramics</i>	<i>Role Of Electrochemical Phenomena On Local Polarization-Controlled Electronic Transport In Ferroelectric Thin Films</i>	<i>Dielectric And Ferroelectric Analysis Of Nanoparticle-Nanocrystalline Barium Titanate And PLZT</i>	<i>Domain Nanotechnology In Lithium Niobate And Lithium Tantalate Single Crystals</i>
		M-AM-B-7-O(299) Ana. C. Lopes	M-AM-C-7-O (324) Kambiz Kalantari	M-AM-D-7-O (380) Minoru Osada	
		<i>Nucleation Of Electroactive β-Phase And Enhancement Of Optical Transparency In Poly(Vinylidene)/Clay Composites</i>	<i>Ti Doped Bi_{1-x}Nd_xFeO₃ Ceramics</i>	<i>New Perovskite Nanomaterials And Their Integration Technologies To High-K Devices</i>	
12:15 - 13:30	Lunch (Salon ABC) / Exhibition (Bayshore Grand Foyer)				
12:30 - 13:20	TUFFC Publication Seminar, Dr. Marjorie Passini Yuhas, IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Control				

Monday, July 25, 2011, PM

	Session M-PM-A Salon D <i>Novel Characterizations</i>	Session M-PM-B Salon E <i>Multiferroics</i>	Session M-PM-C Salon F <i>Piezo/MEMS/Films</i>	Session M-PM-D Seymour Room <i>FE/AFE/Energy Applications</i>	Session M-PM-E Mackenzie Room <i>Nanoscale Materials & Phenomena</i>
13:30 - 14:00	M-PM-A-1-I (134) Alexei Gruverman	M-PM-B-1-I (141) Stanislav Kamba	M-PM-C-1-I (110) Chang-Beom Eom	M-PM-D-1-I (135) Keisuke Kageyama	M-PM-E-1-I (147) Guozhong Cao
	<i>Advanced Piezoresponse Force Microscopy: Switching And Electronic Properties Of Nanoscale Ferroelectric Structures</i>	<i>Review Of Spin-Phonon Coupling In Cubic SrMnO₃, Eutio₃ And Hexagonal YMnO₃ Antiferromagnets: Radiofrequency, THz And Infrared Studies</i>	<i>Giant Piezoelectricity On Silicon For Hyper-Active MemS</i>	<i>Monolithic Micro Thermoelectric Generators Based On Multilayer Cofired Ceramic Technology</i>	<i>Hydrothermal Growth Of Single Crystal PZT Submicrosized Particles With Controlled Size</i>
14:00 - 14:30	M-PM-A-2-I (99) Seungbum Hong	M-PM-B-2-I (193) John Burton	M-PM-C-2-I (172) Paul Muralt	M-PM-D-2-I (136) Kui Yao	M-PM-E-2-I (159) Tomoaki Yamada
	<i>Development And Application Of Angle-Resolved Piezoresponse Force Microscopy</i>	<i>Giant Interface Magnetoelectric Effect On Transport In A Complex Oxide Ferroelectric Tunnel Junction</i>	<i>Energy Harvesting With Piezoelectric Thin Film Micro Structures: Status And Promises</i>	<i>Vinylidene Fluoride Oligomer Based Thin Films From Solution Coating Approach</i>	<i>An Approach For Self-Assembled Epitaxial Pb(Zr,Ti)O₃ Nanorod-Array Toward Enhanced Piezoelectric Responses</i>
14:30 - 14:45	M-PM-A-3-O (554) H. Y. Guo	M-PM-B-3-I (126) Chishun Tu	M-PM-C-3-O (327) Ronald Polcawich	M-PM-D-3-O (726) David Hall	M-PM-E-3-O (386) Nazanin Bassiri-Gharb
	<i>Piezoresponse Force Microscopic Studies Of Ferroelectric (1-X)Pb(Sc_{1/2}Nb_{1/2})O₃-xPbTiO₃ Single Crystals</i>	<i>Origin Of Low-Frequency Dielectric Permittivity In Multiferroic Bifeo₃ Ceramics</i>	<i>PiezoMEMS Enabled MM-Scale Robotics</i>	<i>Nucleation Of The Antiferroelectric Phase In PZT Ceramics By An Alternating Electric Field</i>	<i>Arbitrary-Shaped Ferroelectric Nanostructures Patterned Via Thermochemical Nanolithography</i>
14:45 - 15:00	M-PM-A-4-O (337) Ilkyu Yang		M-PM-C-4-O (255) Daniel Potrepka	M-PM-D-4-O (191) Youlong Xu	M-PM-E-4-O (707) Mi-Ri Joung
	<i>PFM And EFM Study On Ferroelectric LuFe₂O₄ Single Crystals</i>		<i>Pt/TiO₂ Growth Templates For Enhanced PZT Films And MemS Devices</i>	<i>Preparation And Characterization Of High-E Nanocomposite Films For Aluminum Electrolytic Capacitors</i>	<i>Growth Mechanism And Piezoelectric Properties Of KNbO₃ Nanowires Grown By Hydrothermal Method</i>

Monday, July 25, 2011, PM

15:00 - 15:30 Afternoon Break/Exhibition (Bayshore Grand Foyer)

15:30 -15:45	M-PM-A-5-I (131) Susan Trolier-McKinstry	M-PM-B-4-O (231) Dmitri Tenne	M-PM-C-5-I (112) Tae Won Noh	M-PM-D-5-O (247) Florian LeGoupil	M-PM-E-5-I (156) Dawn Bonnell
15:45 - 16:00	<i>Local Behavior Of Piezoelectric Films For MEMS Applications</i>	<i>Ultraviolet Raman Spectroscopy Of Strained BiFeO₃ Films: Rhombohedral-Orthorhombic And Rhombohedral-Tetragonal Phase Transitions</i>	<i>Polarity Control Of Ferroelectric BiFeO₃ /Metal Interfaces For Switchable Diode And Photovoltaic Effect</i>	<i>Direct Electrocaloric Measurements In Polar Materials</i>	<i>Strain, Internal Electric Fields And Domain Morphology In Ferroelectric Superlattices</i>
		M-PM-B-5-O (709) Meghdad Palizdar		M-PM-D-6-O (244) Zdravko Kutnjak	
16:00 -16:15	M-PM-A-6-O(769) Alexei A. Bokov	M-PM-B-6-O (97) Jia-Mian Hu	M-PM-C-6-O (321) Hammad Nazeer	M-PM-D-7-O (765) Lucas Eng	M-PM-E-6-I (164) Jin Wang
	<i>Piezoresponse Force Microscopy Of Relaxor Ferroelectrics</i>	<i>Multi-Scale Modeling Of The Converse Magnetolectric Effect In Ferromagnetic/Ferroelectric Layered Heterostructures</i>	<i>Pulsed Laser Deposited Pb(Zr,Ti)O₃ Thin Films With Excellent Piezoelectric And Mechanical Properties</i>	<i>Low Voltage Ferroelectric Electron Emission From Bulk And Thin Film Ferroic Samples</i>	<i>PZT Nanowires: Processing, Characterisation, And Modeling</i>
16:15 - 16:30	M-PM-A-7-O (258) Gunnar Suchanek	M-PM-B-7-O (371) Zhongqiang Hu	M-PM-C-7-O (206) Rudeger Wilke	M-PM-D-8-O (625) Jani Perantie	
	<i>Evaluation Of Polarization Of Embedded Piezoelectrics By The Thermal Square Wave Method</i>	<i>Effects Of B-Site Doping On The Electrical And Magnetic Properties Of Multiferroic Bi_{0.85}Nd_{0.15}FeO₃ Thin Films</i>	<i>PZT Piezoelectric Films On Glass For Gen-X Imaging Systems</i>	<i>Temperature And Polarization Behavior In <001>-Oriented Pb(Mg_{1/3}Nb_{2/3})O₃-PbTiO₃ Single Crystal During Electric-Field-Induced Phase Transition</i>	

Monday, July 25, 2011, PM

16:30 - 16:45	M-PM-A-8-O (760) Rama Vasudevan	M-PM-B-8-O (323) Lynette Keeney	M-PM-C-8-O (382) Hyun-Cheol Song	M-PM-D-9-O (316) Rahul Shukla	M-PM-E-7-O (360) Baowen Li
	<i>Using Cantilever Frequency Shift To Map The Tetragonal-Rhombohedral Phase Transition In Strain-Engineered BiFeO₃</i>	<i>Room Temperature Multiferroic Investigations Of Aurivillius Phase Bi₅Ti₃Fe_{1-x}Co_xO₁₅ Thin Films</i>	<i>Flexible Power Generator Using Laser Transferred Piezoelectric Ribbons On Plastic Substrates</i>	<i>A Novel Concept Of Harvesting Ultra Low Frequency Vibrational Energy Using Piezoelectric Effect</i>	<i>Ferroelectricity In Artificial Superlattices Of Perovskite Nanosheets</i>
16:45 - 17:00	M-PM-A-9-O(282) Haijun Wu	M-PM-B-9-O (278) Jincang Zhang	M-PM-C-9-O (701) Ruud Steenwelle	M-PM-D-10-O (351) Kanokvate Tungpimolrut	M-PM-E-8-O (724) Brian Smith
	<i>Nano-scale domain structure at MPB and the associated high properties in PMN-PT</i>	<i>Study Of Magnetism And Specific-Heat Properties For Multiferroic YCrO₃ Chromites</i>	<i>Strain Effects On Rotational Electromechanical Coupling In Pb(Zr,Ti)O₃ Films</i>	<i>Design Of Energy Harvester Circuit For A MPC Piezoceramic Based On Electrical Circuit Model Optimization</i>	<i>PbTiO₃ Thin Films Grown On Epitaxial Single Crystal SrRuO₃ Nanowires</i>
17:00 - 17:15	M-PM-A-10-I (196) Catalin Harnagea	M-PM-B-10-I (143) Igor Stolichnov	M-PM-C-10-O (243) Michael Wegener	M-PM-D-11-O (752) Younghun Jeong	M-PM-E-9-I (95) Venkatraman Gopalan
17:15 - 17:30	<i>Insights Into Friction Phenomena Using Piezoresponse Force Microscopy</i>	<i>Magnetism, Ferroelectricity And Semiconductor Functionalities Brought Together: Thin (Ga,Mn)As Under Ferroelectric Control</i>	<i>Optimisation Of Ultrasonic And Piezoelectric Properties Of Cellular Polypropylene Ferroelectrets</i>	<i>Performance Of Piezoelectric Bimorph Generator Supported By Spiral Spring</i>	<i>Local Structure And Dynamics Of A Single Ferroelectric Domain Wall</i>
			M-PM-C-11-O (234) Raegan Johnson-Wilke	M-PM-D-12-O (753) Sushma Kotru	
			<i>Tilt Transitions In Ag(Ta_xNb_{1-x})O₃ Thin Films</i>	<i>The Effect Of Ferroelectric/Metal Interfaces On Photo-Voltaic Characteristics Of Pb_{0.95}La_{0.05}Zr_{0.54}Ti_{0.46}O₃ Thin Film</i>	
17:30 - 18:00	Break / Poster Set-up				
18:00 - 21:00	Poster Session (Salon ABC: All the other papers)/Exhibition (Bayshore Grand Foyer)				

Tuesday, July 26, 2011, AM

8:00 - 8:45	Plenary PL-3 (Salon ABC)	Stephen Pennycook	<i>Probing Ferroelectric Functionality Cell-By-Cell By Aberration-Corrected Stem</i>		
8:45 - 9:30	Plenary PL-4 (Salon ABC)	Alexander Tagantsev	<i>Flexoelectricity</i>		
9:30 - 10:00	Morning Break/Exhibition (Bayshore Grand Foyer)				
	Session T-AM-A Salon D <i>Applications/ Materials</i>	Session T-AM-B Salon E <i>Thin & Thick Films</i>	Session T-AM-C Salon F <i>Nanoscale Structure & Phenomena</i>	Session T-AM-D Seymour Room <i>Relaxors</i>	Session T-AM-E Mackenzie Room <i>Fundamentals/Theory/ Modeling</i>
10:00 - 10:30	T-AM-A-1-I (121) Helen Chan	T-AM-B-1-I (107) Wanda Wolny	T-AM-C-1-I (166) Chunlin Jia	T-AM-D-1-I (137) Jae-Hyeon Ko	T-AM-E-1-I (89) Long-Qing Chen
	<i>Fabrication And Characterization Of Radial Array Endoscopic Ultrasound Transducers</i>	<i>Piezoelectric Thick Film Technology Facilitating Easy Integration And Miniaturisation Of Smart Systems For Medical And Industrial Applications</i>	<i>Atomic-Scale Study Of Dipole Moments In Oxide Ferroelectrics</i>	<i>Brillouin Scattering Studies Of Pb-Based Relaxor Ferroelectrics</i>	<i>Phase-Field Modeling Of Ferroelectric Domain Structures</i>
10:30 - 11:00	T-AM-A-2-I (185) Shuxiang Dong	T-AM-B-2-I (101) Weiguang Zhu	T-AM-C-2-I (155) Robert Klie	T-AM-D-2-I (163) Guangyong Xu	T-AM-E-2-I (146) Jiangyu Li
	<i>A Piezoelectric Single-Crystal Ultrasonic Micro-Actuator For Driving Optics</i>	<i>Multifunctional Epitaxial Thin Films By Laser Molecular Beam Epitaxy</i>	<i>Atomic-Scale Characterization Of Oxide Interfaces Using Aberration-Corrected In-Situ Scanning Transmission Electron Microscopy</i>	<i>Probing Local Polar Structures In PZN-xPT And PMN-xPT Relaxor Ferroelectrics Using Neutron And X-Ray Scattering</i>	<i>Nanoscale Electromechanics Of Piezoresponse Force Microscopy</i>
11:00 - 11:15	T-AM-A-3-O (339) Jaehyuk Park	T-AM-B-3-O (344) Dirk Kaden	T-AM-C-3-O (275) Alexei Gruverman	T-AM-D-3-O(405) Jean-Michel Kiat	T-AM-E-3-O (245) Simone Sanna
	<i>Deveoplment Of Piezoelectric-Actuated Metal-Based Optical Scanning Mirror Devices</i>	<i>Influence Of Platinum Bottom Electrode On The Piezoelectric Performance Of Hot Rf Sputtered PZT Films</i>	<i>Interface Engineering For Polarization Stability In Ultrathin BaTiO₃ Heterostructures</i>	<i>Nano-Particles, Nano-Ceramics And Nanocomposites Of Ferroelectric, Relaxors And Quantum-Paraelectric Perovskites</i>	<i>Ferroelectric Transition In BaTiO₃ And LiNbO₃ Calculated From First Principles</i>

Tuesday, July 26, 2011, AM

11:15 - 11:30	T-AM-A-4-O (113) Fei Li	T-AM-B-4-O (335) Takashi Iijima	T-AM-C-4-O (705) Tim Burnett	T-AM-D-4-O (237) Kenji Ohwada	T-AM-E-4-O (350) Yasothorn Sapsathiarn
	<i>Shear Piezoelectric Response In Ferroelectric Crystals And Polycrystalline Ceramics</i>	<i>Evaluation Of Longitudinal And Lateral Displacement For Lead Zirconate Titanate Thick Films Deposited On Silicon Substrate</i>	<i>Domain Dynamics In Batio₃ Single Crystals Within A Few Degrees Of The Ferroelectric-Paraelectric Transition</i>	<i>Dynamics Of Antiferroelectric/Relaxor Pb(In_{1/2}Nb_{1/2})O₃</i>	<i>Modeling Of Hydrogen Diffusion In Piezoceramics With Temperature Gradient</i>
11:30 - 11:45	T-AM-A-5-O (740) Richard Fu	T-AM-B-5-O (748) Luz Sanchez	T-AM-C-5-O (713) Vladimir Shur	T-AM-D-5-O (326) Alexei Bosak	T-AM-E-5-O (315) Daniel Franzbach
	<i>Fully-Integrated, Thin-Film Piezoelectric Sensors For Wireless, Non-Destructive Evaluation Of Aging Structures</i>	<i>Improving PZT Thin Film Texture Through PT Metallization And Seed Layer</i>	<i>Formation Of Nanodomain Structures In Lithium Niobate With Surface Layer Modified By Ion Implantation</i>	<i>A New Model Of Correlated Disorder In Relaxor Ferroelectrics</i>	<i>The Effects Of Polarization Dynamics And Domain Switching Energies On Field Induced Phase Transformations</i>
11:45 - 12:00	T-AM-A-6-O (213) Thottam Kalkur	T-AM-B-6-I (96) Bruce Tuttle	T-AM-C-6-I (142) Arthur Baddorf	T-AM-D-6-O (310) Masato Matsuura	T-AM-E-6-O (742) Pavel Mokry
	<i>Tunable RF Filters With Graded-Composition, MOCVD-Deposited BST Capacitors</i>	<i>PLZT Thin Film Phase Evolution, Quantitative Microstructure Analysis And Electrical Property Development</i>	<i>The Influence Of Interfaces On Polarization In Thin Films</i>	<i>Direct Evidence Of A Flat Free Energy Surface Connecting Tetragonal And Rhombohedral Phases In Relaxor Ferroelectrics Near Morphotropic Phase Boundary</i>	<i>Domain Back-Switching Due To The Free Charge Injection Under The AFM Tip Studied By Phase Field Simulations</i>
12:00 - 12:15	T-AM-A-7-O (735) Joe Evans			T-AM-D-7-O (218) Andreja Erste	T-AM-E-7-O (276) Yusuke Tomita
	<i>A Discrete Thin-PZT-Film Capacitor for Commercial Applications</i>			<i>Dielectric Investigations Of A New Class Of Relaxor Polymer</i>	<i>Numerical Study Of Pb(In_{1/2}Nb_{1/2})O₃ By Spin Model</i>
12:15-13:30	Lunch (Salon ABC) / Exhibition (Bayshore Grand Foyer)				
12:15-13:30	Women in Engineering Lunch Meeting (Prospect Room)				
	PFM International Advisory Board Meeting (Fraser Room)				

Tuesday, July 26, 2011, PM

	Session T-PM-A Salon D <i>Applications/Materials</i>	Session T-PM-B Salon E <i>Thin & Thick Films</i>	Session T-PM-C Salon F <i>Lead-Free Piezo- /Ferroelectrics</i>	Session T-PM-D Seymour Room <i>Relaxors</i>	Session T-PM-E Mackenzie Room <i>Conduction/Defects/ Nano-Phenomena</i>
13:30 - 14:00	T-PM-A-1-I (080) Jun Luo	T-PM-B-1-I (176) Jun Akedo	T-PM-C-1-I (152) Eric Cross	T-PM-D-1-I (144) Peter Gehring	T-PM-E-1-I (194) Niall Donnelly
	<i>Characterization And Applications Of Advanced Binary And Ternary Piezoelectric Crystals</i>	<i>Progress Of Aerosol Deposition Process On Piezoelectric Materials And Application To Optical Micro Scanner</i>	<i>Flexoelectric Composites – The Cutting Edge For New Lead-Free Piezoceramics</i>	<i>A Comparison Of Complex Lead-Oxide Perovskites In The Limits Of Weak And Strong Random Electric Fields: PZT Versus PMN</i>	<i>Impedance Spectroscopy Of PZT Ceramics - Measuring Diffusion Coefficients, Mixed Conduction And Pb Loss</i>
14:00 - 14:30	T-PM-A-2-I (081) Yohachi (John) Yamashita	T-PM-B-2-I (165) Tohru Suzuki	T-PM-C-2-I (115) Hajime Nagata	T-PM-D-2-I (140) Sergey Vakhruhev	T-PM-E-2-I (118) Kazutaka Fujiwara
	<i>History And Future Prospective Of Relaxor Single Crystal Materials And Application</i>	<i>Highly Controlled Orientation Of Piezoelectric Ceramics Using Both Platelet Particles And Strong Magnetic Field</i>	<i>Piezoelectric Properties Of Lead-Free Ferroelectric Ceramics Under Some Specific Conditions</i>	<i>Diffuse Scattering In Functional Perovskites</i>	<i>Control Of Electrical Properties On R (Cr, Mn) O₃ (R=La, Y And Rare Earth Element) For High Temperature Sensor Applications</i>
14:30 - 14:45	T-PM-A-3-O (728) Katerina Novakova	T-PM-B-3-O (203) Flavio Griggio	T-PM-C-3-O (357) Elena Aksel	T-PM-D-3-O (226) Shigeo Mori	T-PM-E-3-O (208) Lukas Andrejs
	<i>Application Of Piezoelectric Macro-Fiber-Composite Actuators For The Suppression Of Noise Transmission Through Curved Glass Shells</i>	<i>Local Piezoelectric Nonlinearity In Lead Nickel Niobate – Lead Zirconate Titanate Thin Films</i>	<i>Structure And Property Transitions In Fe-Doped Sodium Bismuth Titanate</i>	<i>Microstructural Study Of Pb(In_{1/2}Nb_{1/2})O₃ With The Perovskite B-Site Randomness</i>	<i>Resistance Degradation In Donor-Doped PZT Under Electrical Field: Identification Of Conductive Paths And Mechanism</i>
14:45 - 15:00	T-PM-A-4-O (745) Joe Evans	T-PM-B-4-O (211) Seiji Yamazoe	T-PM-C-4-O (256) Ahmad Safari	T-PM-D-4-O (204) Francois Bauer	T-PM-E-4-O (167) Andrei Kholkin
	<i>Unpowered Event Detection With An Autonomous Ferroelectric Capacitor Circuit</i>	<i>Observation Of Domain Structures In Nanbo₃ Thin Films By Laser Beam Scanning Microscope And Piezoresponse Force Microscope</i>	<i>Lead-Free BNT-BKT-BT Thin Films By Pulsed Laser Deposition Process</i>	<i>Advances In Relaxor Ferroelectric Terpolymer: New Applications</i>	<i>Diphenylalanine And Peptide Nanotubes Computational Modeling And Properties At The Nanoscale</i>

15:00 - 15:30	Afternoon Break/Exhibition (Bayshore Grand Foyer)				
15:30 - 16:00	T-PM-A-5-I (195) Christian Hoffmann	T-PM-B-5-I (150) Qifa Zhou	T-PM-C-5-I (83) Pam Thomas	T-PM-D-5-I (158) Muhetaer Aihaiti	T-PM-E-5-I (100) Ethan Crumlin
	<i>PZT-Based Multilayer Actuators</i>	<i>Pb(Mg_{1/3}Nb_{2/3})O₃-PbTiO₃ Films For High Frequency Ultrasound Transducer Applications</i>	<i>Sodium Bismuth Titanate, Na_{0.5}Bi_{0.5}TiO₃ (NBT), And Related Lead-Free Piezoelectric Materials: Domains, Disorder And Disagreements</i>	<i>Pressure-Composition Phase Diagram Of The Pb(Mg_{1/3}Nb_{2/3})O₃-xPbTiO₃ Solid Solutions</i>	<i>A Model System Approach To Investigate And Improve SOFC Cathode Materials</i>
16:00 - 16:15	T-PM-A-6-I (149) Kenneth Liang	T-PM-B-6-O (368) Kim-Anh Buithi	T-PM-C-6-I (188) Rintaro Aoyagi	T-PM-D-6-I (105) Seiji Kojima	T-PM-E-6-I (175) Donovan Leonard
16:15 - 16:30	<i>Applications Of Piezoelectric Materials In Oilfield Services</i>	<i>Structural And Ferroelectric Properties Of <011>-Oriented PMN-PT Thin Films</i>	<i>Temperature Dependences Of Electrical Properties In (Li,Na)NbO₃ Lead-Free Piezoelectric Ceramics</i>	<i>Broadband Inelastic Scattering Of Lead-Free Perovskite Ferroelectrics</i>	<i>In Situ And Post Mortem Observation Of Oxygen Vacancy Ordering And Bias Cycling Effects In La_{0.8}Sr_{0.2}CoO₃ Thin Films</i>
		T-PM-B-7-O (722) Aaron Welsh			
		<i>Microcontact Printing Of PZT For MEMS Applications</i>			
16:30 - 16:45	T-PM-A-7-I (171) Marcias Martinez	T-PM-B-8-O (313) Krishna Nittala	T-PM-C-7-O (249) Xiaoli Tan	T-PM-D-7-O (768) Akitoshi Koreeda	T-PM-E-7-1(334) Gabriel Caruntu
16:45 - 17:00	<i>Piezoelectric Sensing Element For Hydrostatic Pressure Measurements In Biomedical Applications</i>	<i>Nucleation And Growth In Solution Deposited PZT Thin Films: Effect Of Heating Rate</i>	<i>Structure-Property Relationship In Unpoled (1-x)(Bi_{1/2}Na_{1/2})TiO₃-xBaTiO₃ Ceramics</i>	<i>Self-Similarity Of The Central Peak Observed In PMN And PMN-0.27PT</i>	<i>Ferroelectric Monodisperse Cube-Like BaTiO₃ Colloidal Nanocrystals As Building Blocks For The Design Of Multiferroic Nanocomposites</i>
		T-PM-B-9-O (238) Seok-Jin Yoon	T-PM-C-8-O (320) Eva Sapper	T-PM-D-8-O 168) Pierre-Eymeri Janolin	
		<i>Low-Temperature Process Of Ba_{0.6}Sr_{0.4}TiO₃ Thin Film By Multi-Layer Excimer Laser Annealing</i>	<i>Field-Induced Shift Of The Depolarization Temperature In Lead-Free BNT-xBT</i>	<i>Relaxors Under Stress: The Case Of PSN</i>	

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17:00 - 17:15	T-PM-A-8-I (119) Scott Smith	T-PM-B-10-O (307) Faye Bygrave	T-PM-C-9-O (284) Michael Naderer	T-PM-D-9-O (242) Lin Xie	T-PM-E-8-O (330) Nagarajan Valanoor
17:15 - 17:30	Piezoelectrics In Medical Ultrasound	<i>Interdiffusion At The Substrate-Film Interface Of BiFeO₃-PbTiO₃ Thin Films On Pt/Si</i>	<i>Microprobe Analysis Of (1-x)BNT-xBKT</i>	<i>Direct Observation Of Static Polar Clusters In The Precursor Of Ferroelectric And Relaxor Ba(Ti_{1-x}Sn_x)O₃ Above The Freezing Temperature T_{vf}</i>	<i>Exploring Topological Defects In Epitaxial BiFeO₃ Thin Films</i>
		T-PM-B-11-O (629) Ling Chen	T-PM-C-10-O (331) Ichiro Fujii	T-PM-D-10-O (212) Jianjun Yao	T-PM-E-9-O (271) Tae-Heon Kim
17:30 - 17:45	T-PM-A-9-I (82) Nico de Jong	T-PM-B-12-O (248) Mark Twigg	T-PM-C-11-I (116) Xiaobing Ren	T-PM-D-11-I (183) Jose-Antonio Eiras	T-PM-E-10-I (90) Jak Chakhalian
17:45 - 18:00	Dual Frequency Phased Array For Improved Cardiac Imaging	<i>Extended Defects In Sputter-Deposited BaSrTiO₃ Films And The Influence Of Oxygen Partial Pressure And Vacancies</i>	<i>High-Performance Pb-Free Piezoelectric Ceramics With d₃₃ > 600 pC/N</i>	<i>Relationship Between Structural Characteristics And Influence Of Doping On The Dielectric Dispersion Of Relaxors</i>	<i>Strongly Correlated Electrons And Polar Compensation In Heterostructures Of Rare-Earth Nickelates</i>
		T-PM-B-13-O (225) Afzal Khan			
		<i>Synthesis Of Ba-Doped SrCu₂O₂ AS A P-Type Transparent Conducting Oxide Thin Film By MOCVD</i>			
18:00- 18:30	Break				
18:30 - 20:30	Gala Dinner/Ferroelectrics Awards/Poster Awards (Salon ABC)				

Wednesday, July 27, AM

8:00 - 8:45	Plenary PL-5 (Salon ABC)	Ramamoorthy Ramesh	<i>ELECTRIC FIELD CONTROL OF MAGNETISM USING MULTIFERROICS</i>		
8:45 - 9:30	Plenary PL-6 (Salon ABC)	Akira Ando	<i>RECENT PROGRESS ON FERROELECTRIC CERAMICS</i>		
9:30 - 10:00	Morning Break/Exhibition (Bayshore Grand Foyer)				
	Session W-AM-A Salon D <i>Applications/Materials</i>	Session W-AM-B Salon E <i>Multiferroics</i>	Session W-AM-C Salon F <i>Piezo-/FE/Single Crystals</i>	Session W-AM-D Seymour Room <i>New Characterizations</i>	Session W-AM-E Mackenzie Room <i>Fundamentals/Structures/ New Advances</i>
10:00 - 10:30	W-AM-A-1-I (87) Ed Alberta	W-AM-B-1-I (130) Brahim Dkhil	W-AM-C-1-I (160) Yuji Noguchi	W-AM-D-1-I (138) Naoya Shibata	W-AM-E-1-I (91) Lukas Eng
	<i>Ferroelectric Materials For Explosively Driven Pulsed Power Systems</i>	<i>Phase Transitions In Multiferroic BiFeO₃ Thin Films</i>	<i>Ferroelectric And Piezoelectric Properties Of (Bi_{1/2}K_{1/2})TiO₃-(Bi_{1/2}Na_{1/2})TiO₃ Single Crystals</i>	<i>Novel Atomic Resolution Scanning Transmission Electron Microscopy For Oxide Materials</i>	<i>Near-Field Superlensing Based On Layered Perovskite Structures</i>
10:30 - 11:00	W-AM-A-2-I (189) Matthijn Dekkers	W-AM-B-2-I (717) Alain Pignolet	W-AM-C-2-I (108) Shujun Zhang	W-AM-D-2-I (161) Jacob Jones	W-AM-E-2-I (706) Andrew Bell
	<i>All-Oxide Piezomems Devices By Large Area Pulsed Laser Deposition</i>	<i>Bi₂FeCrO₆ Nanostructures Multiferroic At Room Temperature</i>	<i>Evaluation Of PIN-PMN-PT Crystals For Various Applications</i>	<i>Diffraction Of Ferroelectrics During Electric Field Application: New Approaches Yield New Insight</i>	<i>Impedance Spectroscopy And Dielectric Modelling Of (K_xNa_{1-x})_{1/2}Bi_{1/2}TiO₃</i>
11:00 - 11:15	W-AM-A-3-O (749) George Saddik	W-AM-B-3-O (122) Kan Yi	W-AM-C-3-O (254) Nevin Sherlock	W-AM-D-3-O (333) Rattikorn Yimnirun	W-AM-E-3-O (755) Dean Keeble
	<i>An L-Section DC Electric Field Switchable Bulk Acoustic Wave Solidly Mounted Resonator Filter Based On Ba_{0.5}Sr_{0.5}TiO₃</i>	<i>Dielectric, Magnetic, Multiferroic Properties In Garnet Re₃Fe₅O₁₂ Ceramics</i>	<i>Nonlinear Response In Relaxor-Pt Single Crystals For High Power Sonar Transducers</i>	<i>Investigation Of Local Structure In Multifunctional Oxide Materials With Synchrotron X-Ray Absorption Spectroscopy</i>	<i>Studying The Local Structure Of Ferroelectrics Using Nuclear Magnetic Resonance</i>

Wednesday, July 27, AM

11:15 - 11:30	W-AM-A-4-I (120) Hidesada Natsui	W-AM-B-4-O (103) Igor Raevski	W-AM-C-4-O (259) Peter Finkel	W-AM-D-4-O (389) Tim Burnett	W-AM-E-4-O (228) Xianran Xing
11:30 - 11:45	Effect Of Mn And V Valences For The Reliability Of BaTiO ₃ Based Mlccs	<i>The Effect Of A-Site And B-Site Ion Substitutions On The Temperatures Of Ferroelectric And Magnetic Phase Transitions In Multiferroic PbFe_{0.5}Nb_{0.5}O₃</i>	<i>Large Displacement Acoustic Source Using Phase Transition In Relaxor-Ferroelectric Pb(In_{1/2}Nb_{1/2})O₃-Pb(Mg_{1/3}Nb_{2/3})O₃-PbTiO₃ Single Crystals</i>	<i>In-Situ Real Time Structural Response Of A Ferroelectric To An Applied External Electric Field Of Varying Frequency</i>	<i>Multiferroics And High Mechanical Performance In (1-x-y)PbTiO₃-xBi(Ni_{1/2}Ti_{1/2})O₃-yBiScO₃</i>
		W-AM-B-5-O (719) Clare Cambridge	W-AM-C-5-O (232) Zdravko Kutnjak	W-AM-D-5-O (227) Jun Chen	W-AM-E-5-O (293) Yuri Genenko
11:45 - 12:00	W-AM-A-5-I (157) Roger Steinsiek	W-AM-B-6-I (129) Vladimir Shvartsman	W-AM-C-6-I (153) Akira Yoshikawa	W-AM-D-6-I (199) Paul Evans	W-AM-E-6-O (541) Hamel Tailor
					12:00 - 12:15
12:00 - 12:15					W-AM-E-7-O (727) Fangyuan Zhu
					<i>(Na_{0.5}K_{0.5})NbO₃-LiTaO₃ Lead-Free Piezoelectric Ceramics Modified with BiScO₃</i>
12:15 - 13:30	Lunch (Salon ABC) / Exhibition (Bayshore Grand Foyer)				

Wednesday, July 27, 2011, PM

	Session W-PM-A Salon D <i>Applications/Films</i>	Session W-PM-B Salon E <i>Multiferroics</i>	Session W-PM-C Salon F <i>Lead-Free Piezo- /Ferroelectrics</i>	Session W-PM-D Seymour Room <i>Piezo-/Pyro-/Ferroelectrics</i>	Session W-PM-E Mackenzie Room <i>New Advances/PZT-Related</i>
13:30 - 14:00	W-PM-A-1-I (181) Dmitri Strukov	W-PM-B-1-I (102) Yoshiaki Uesu	W-PM-C-1-I (123) Masahiko Kimura	W-PM-D-1-I (93) Mitra L. Taheri	W-PM-E-1-I (178) Jiri Hlinka
	<i>Memristive Devices And Circuits</i>	<i>Ferroelectricity And Ferrimagnetism Of Thin-Film Stabilized Hexagonal YbFeO₃</i>	<i>Study Of Nickel Inner Electrode Lead-Free Piezoelectric Ceramics</i>	<i>Direct Observation And Quantitative Analysis Of Ferroelectric Domain Switching Behavior Using In Situ Tem Techniques</i>	<i>Inelastic Scattering Studies Of PZT Single Crystals</i>
14:00 - 14:30	W-PM-A-2-I (197) Dillon Fong	W-PM-B-2-I (145) Nagarajan Valanoor	W-PM-C-2-I (186) Wei Ren	W-PM-D-2-I (173) Takaaki Tsurumi	W-PM-E-2-I (92) Alexei A. Bokov
	<i>In Situ Studies On The Effect Of Oxygen Partial Pressure On The Properties Of Ferroelectric Thin Films</i>	<i>Nanoscale Chemical, Structural And Electromechanical Properties Of Rare-Earth Substituted BiFeO₃ Epitaxial Thin Films</i>	<i>K_{0.5}Na_{0.5}NbO₃ Based Lead-Free Thick Films: Preparation, Characterization And Applications</i>	<i>Reconstruction Of Fundamental Equations For Piezoelectric Response</i>	<i>Critical Behaviour At Ferroelectric Phase Transitions</i>
14:30 - 14:45	W-PM-A-3-O (222) Masafumi Kobune	W-PM-B-3-O (341) Fei Fang	W-PM-C-3-O (365) Eva Maria Anton	W-PM-D-3-O (236) Tongqing Yang	W-PM-E-3-O (314) Semen Gorfman
	<i>Ferro- And Piezoelectric Properties Of (Bi_{3.25}Nd_{0.75})Ti₃O₁₂ Nanoplates Epitaxially Grown On Nb:TiO₂ (101) Substrate By Sputtering</i>	<i>Microstructural Effects On Magnetoelectric Coupling For Terfenol-D/P(VDF- TRFE)/Terfenol-D Laminates</i>	<i>Structural Study And Phase Transitions Of Lead-Free Bi_{1/2}Na_{1/2}TiO₃-Bi_{1/2}K_{1/2}TiO₃- (K_{0.5}Na_{0.5}NbO₃) Ceramics</i>	<i>Pyroelectric And Electrocaloric Effect In (Pb,La)(Zr,Sn,Ti)O₃ Antiferroelectric Ceramics</i>	<i>High Resolution X-Ray Diffraction Study Of Single Crystals Of Lead Zirconate Titanate</i>

Wednesday, July 27, 2011, PM

14:45 - 15:00	W-PM-A-4-O (205) Marc Lethiecq	W-PM-B-4-I (104) Ying Hao Chu	W-PM-C-4-O (355) Meredith Rogers	W-PM-D-4-O (338) Sebastjan Glinsek	W-PM-E-4-O (388) Nichola Middleton-Stewart
15:00 - 15:15	<i>Non-Planar Pad-Printed Thick-Film Focused High Frequency Ultrasonic Transducers For Imaging And Hifu Applications</i>	<i>Functionality Design And Misorientation Control In Self-Assemble Perovskite-Spinel Hetero-Eptaxial Nanostructures</i>	<i>Domain Wall Motion In Lead-Free Piezoelectric Ceramics</i>	<i>Induced Ferroelectricity In Polycrystalline KTaO₃ Thin Films</i>	<i>In Situ XRD Study Of The Electric Field Induced Antiferroelectric – Ferroelectric Phase Transformation In PZT</i>
	W-PM-A-5-O (750) Sushma Kotru		W-PM-C-5-O (300) Kyle Webber	W-PM-D-5-O (398) Jaeho Choi	W-PM-E-5-O (379) Hiroko Yokota
15:15 - 15:30	<i>Csd-Prepared Pb_xTiO₃ Seed Layer For {100}-Textured PZT Films: Composition And Concentration Effects</i>	W-PM-B-5-I (148) Alexander Sigov	<i>The Temperature-Dependence Of Phase Transitions In Lead-Free Ferroelectrics Under Uniaxial Stress</i>	<i>Electron Radiation Enhancement By Radiation Heat</i>	<i>Structural Investigations Of Pb(Zr, Ti) O₃</i>
	W-PM-A-6-O (349) Ali B. Alamin Dow		W-PM-C-6-I (177) Eberhard Hennig	W-PM-D-6-I (325) Jianguo Zhu	W-PM-E-6-I (179) Andreas Schoenecker
1530 - 15:45	<i>Analysis And Modeling Of Aln Bimorph Piezoelectric Autonomous Microgenerator Stimulated By β-Emitting Radioisotopes</i>	<i>Multiferroic Effects In Perovskite Multilayers: Nonlinear-Optical Studies</i>	<i>Lead-Free Piezoceramic Materials For Industrial Applications</i>	<i>Effect Of Mn-Y Codoping On The Intrinsic Pyroelectric Property Of BST Ceramics</i>	<i>Investigation Of Domain Switching Of PZT And KNN – Based Ceramics On Macro And Micro Scale</i>
	W-PM-A-7-O (366) Kirsten Brookshire				
15:45 - 16:00	Afternoon Break/Exhibition (Bayshore Grand Foyer)				
16:00 - 16:45	Plenary PL-7 (Salon ABC) IEEE Distinguished Lecture	Dragan Damjanovic	<i>On The Origins of Electromechanical Coupling In Complex Materials</i>		
16:45 - 17:00	Closing				