

12:15 - 1:30	Lunch (Salon ABC)				
	Monday, July 25, 2011, PM				
	Session M-PM-A Salon D Novel Characterizations	Session M-PM-B Salon E Multiferroics	Session M-PM-C Salon F Piezo/MEMS/Films	Session M-PM-D Seymour Room FE/AFE/Energy Applications	Session M-PM-E Mackenzie Room Nanoscale Materials
	M-PM-A-1-I (134) Alexei Gruverman	M-PM-B-1-I (97) Cewen Nan	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
	Advanced Piezoresponse Force Microscopy: Switching and Electronic Properties of Nanoscale Ferroelectric Structures	Multi-scale modeling of the converse magnetoelectric effect in ferromagnetic/ferroelectric layered heterostructures	Giant piezoelectricity on Si for hyper-active MEMS	MONOLITHIC MICRO THERMOELECTRIC GENERATORS BASED ON MULTILAYER COFIRED CERAMIC TECHNOLOGY	Hydrothermal synthesis of single crystal PZT submicrosized particles with controlled size
2:00 - 2:30	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
	Development and Application of Angle-Resolved Piezoresponse Force Microscopy	GIANT Interface magnetoelectric effect on transport in a complex oxide ferroelectric tunnel junction	ENERGY HARVESTING WITH PIEZOELECTRIC THIN FILM MICRO STRUCTURES: STATUS AND PROMISES	Vinylidene Fluoride Oligomer Based Thin Films from Solution Coating Approach	An Approach For Self-assembled Epitaxial Pb(Zr,Ti)O3 Nanorod-Array Toward Enhanced Piezoelectric Responses
2:30 - 2:45	M-PM-A-3-O (766) Tue Phan	M-PM-B-3-I (102) Yoshiaki Uesu	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
	Kelvin Probe Force Microscopy Study on Operating Ferroelectric-Gate Thin-Film Transistor	FERROELECTRICITY AND FERRIMAGNETISM OF THIN-FILM STABILIZED HEXAGONAL YbFeO3	PIEZOMEMS ENABLED MM-SCALE ROBOTICS	NUCLEATION OF THE ANTIFERROELECTRIC PHASE IN PZT CERAMICS BY AN ALTERNATING ELECTRIC FIELD	Arbitrary-Shaped Ferroelectric Nanostructures Patterned via ThermoChemical Nanolithography
2:45 - 3:00	M-PM-A-4-O (337) I. K. 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
	PFM AND EFM STUDY ON FERROELECTRIC LuFe2O4 SINGLE CRYSTALS		Pt/TiO2 Growth Templates for Enhanced PZT films and MEMS Devices	PREPARATION AND CHARACTERIZATION OF HIGH-ε NANOCOMPOSITE FILMS FOR ALUMINUM ELECTROLYTIC CAPACITORS	Growth Mechanism and Piezoelectric Properties of KNbO3 Nanowires Grown by Hydrothermal Method
3:00 - 3:30	Afternoon Break/Exhibition (Bayshore Grand Foyer)				
3:30 - 3:45	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
	LOCAL BEHAVIOR OF PIEZOELECTRIC FILMS FOR MEMS APPLICATIONS	Ultraviolet Raman spectroscopy of strained BiFeO3 films: rhombohedral-orthorhombic and rhombohedral-tetragonal phase transitions	Polarity Control of Ferroelectric BiFeO3/Metal Interfaces for Switchable Diode and Photovoltaic Effect	Direct electrocaloric measurements in polar materials	STRAIN, INTERNAL ELECTRIC FIELDS AND DOMAIN MORPHOLOGY IN FERROELECTRIC SUPERLATTICES
		M-PM-B-5-O (151) Thirumany Sritharan		M-PM-D-6-O (244) Zdravko Kutnjak	
4:00 - 4:15	M-PM-A-6-O (706) Andrew Bell	M-PM-B-6-O (141) Stanislav Kamba	M-PM-C-6-O (321) Hammad Nazeer	M-PM-D-7-O (394) Hiroshi Maiwa	M-PM-E-6-I (164) Jin Wang
	IMPEDANCE SPECTROSCOPY AND DIELECTRIC MODELLING OF (KxNa1-x)1/2Bi1/2TiO3	Review of spin-phonon coupling in cubic SrMnO3, EuTiO3 and hexagonal YMnO3 antiferromagnets: Radiofrequency, THz and infrared studies	PULSED LASER DEPOSITED Pb(Zr,Ti)O3 THIN FILMS WITH EXCELLENT PIEZOELECTRIC AND MECHANICAL PROPERTIES	Electrocaloric and Pyroelectric Properties of Pb(Mg1/3Nb2/3)O3- Pb(Ni1/3Nb2/3)O3-Pb(Zr,Ti)O3 Thin Films	PZT NANOWIRES: PROCESSING, CHARACTERISATION, AND MODELING
4:15 - 4:30	M-PM-A-7-O (258) Gunnar Suchaneck	M-PM-B-7-O (371) Meiya Li	M-PM-C-7-O (206) Rudeger Wilke	M-PM-D-8-O (224) Beihai Ma	
	Evaluation of Polarization of Embedded Piezoelectrics by the Thermal Square Wave Method	Effects of B-site Doping on the Electrical and Magnetic Properties of Multiferroic Bi0.85Nd0.15FeO3 Thin Films	PZT PIEZOELECTRIC FILMS ON GLASS FOR GEN-X IMAGING SYSTEMS	Ferroelectric PLZT Films Grown on Metal Foils for Power Electronic Applications	

Monday, July 25, 2011, PM (Cont'd)					
	Session M-PM-A Salon D Novel Characterizations	Session M-PM-B Salon E Multiferroics	Session M-PM-C Salon F Piezo/MEMS/Films	Session M-PM-D Seymour Room FE/AFE/Energy Applications	Session M-PM-E Mackenzie Room Nanoscale Materials
4:30 - 4:45	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
4:45 - 5:00	Using cantilever frequency shift to map the tetragonal-rhombohedral phase transition in strain-engineered BiFeO3	ROOM TEMPERATURE MULTIFERROIC INVESTIGATIONS OF AURIVILLIUS PHASE Bi5Ti3Fe1-xCoxO15 THIN FILMS	Flexible Power Generator using Laser Transferred Piezoelectric Ribbons on Plastic Substrates	A novel concept of harvesting ultra low frequency vibrational energy using piezoelectric effect	Ferroelectricity in Artificial Superlattices of Perovskite Nanosheets
	M-PM-A-9-O (746) Gerhard Berth	M-PM-B-9-O (278) Yuling Su	M-PM-C-9-O (701) Ruud Steenwelle	M-PM-D-10-O (351) Kanokvate Tungpimolrut	M-PM-E-8-O (724) Brian Smith
5:00 - 5:15	SECOND HARMONIC SIGNATURES OF FERROELECTRIC DOMAINS IN LITHIUM NIOBATE	EFFECTS OF EPITAXY STRAIN ON PHASE AND NANO-DOMAIN FORMATION IN BISMUTH FERRITE FILMS	Strain Effects on Rotational Electromechanical Coupling in Pb(Zr,Ti)O3 Films	Design of Energy Harvester Circuit for a MPC Piezoceramic based on Electrical Circuit Model Optimization	PbTiO3 Thin Films Grown On Epitaxial Single Crystal SrRuO3 Nanowires
	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
5:15 - 5:30	INSIGHTS INTO FRICTION PHENOMENA USING PIEZORESPONSE FORCE MICROSCOPY	MAGNETISM, FERROELECTRICITY AND SEMICONDUCTOR FUNCTIONALITIES BROUGHT TOGETHER: THIN (Ga,Mn)As UNDER FERROELECTRIC CONTROL	Optimisation of ultrasonic and piezoelectric properties of cellular polypropylene ferroelectrets	Performance of Piezoelectric Bimorph Generator Supported By Spiral Spring	LOCAL STRUCTURE AND DYNAMICS OF A SINGLE FERROELECTRIC DOMAIN WALL
			M-PM-C-11-O (234) Raegan Johnson-Wilke	M-PM-D-12-O (753) Kotru Sushma	
			Tilt Transitions in AgTaxNb1-xO3 Thin Films	The effect of ferroelectric/ metal interfaces on photo-voltaic characteristics of Pb0.95La0.05 Zr0.54Ti0.46O3 thin film	
5:30 - 6:00	Break / Poster Set-up				
6:00 - 9:00	Poster Session (Salon ABC: All the other papers)/Exhibition (Bayshore Grand Foyer)				

8:00 - 8:45	Tuesday, July 26, 2011, AM				
	Plenary PL-3 (Salon ABC)		Stephen Pennycook	PROBING FERROELECTRIC FUNCTIONALITY CELL-BY-CELL BY ABERRATION-CORRECTED STEM	
8:45 - 9:30	Plenary PL-4 (Salon ABC)		Alexander Tagantsev	FLEXOELECTRICITY	
9:30 - 10:00	Morning Break/Exhibition (Bayshore Grand Foyer)				
	Session T-AM-A Salon D Applications	Session T-AM-B Salon E Thin & Thick Films	Session T-AM-C Salon F Nanoscale Phenomena	Session T-AM-D Seymour Room Relaxors	Session T-AM-E Mackenzie Room Fundamentals/Theory/Modeling
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
	FABRICATION AND CHARACTERIZATION OF RADIAL ARRAY ENDOSCOPIC ULTRASOUND TRANSDUCERS	Piezoelectric thick film technology facilitating easy integration and miniaturisation of smart systems for medical and industrial applications	ATOMIC-SCALE STUDY OF DIPOLE MOMENTS IN OXIDE FERROELECTRICS	BRILLOUIN SCATTERING STUDIES OF Pb-BASED RELAXOR FERROELECTRICS	PHASE-FIELD MODELING OF FERROELECTRIC DOMAIN STRUCTURES
10:30 - 11:00	T-AM-A-2-I (94) Takeshi Kobayashi	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
	A PIEZOELECTRIC ACCELEROMETER	Multifunctional Epitaxial Thin Films by Laser Molecular Beam Epitaxy	Atomic-Scale Characterization of Oxide Interfaces Using Aberration-Corrected In-Situ Scanning Transmission Electron Microscopy	Probing local polar structures in PZN-xPT and PMN-xPT relaxor ferroelectrics using neutron and x-ray scattering	Nanoscale Electromechanics of Piezoresponse Force Microscopy
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 (733) Myung Geun Han	T-AM-D-3-O (216) Annette Bussmannholder	T-AM-E-3-O (245) Simone Sanna
	DEVEOPLMENT OF PIEZOELECTRIC-ACTUATED METAL-BASED OPTICAL SCANNING MIRROR DEVICES	Influence of platinum bottom electrode on the piezoelectric performance of hot RF sputtered PZT films	In situ TEM study of domain switching in PbZr0.2Ti0.8O3 thin films	ORIGIN OF POLAR NANO REGIONS (PNR) IN RELAXOR FERROELECTRICS: NONLINEARITY, POLARON FORMATION AND CHARGE TRANSFER	Ferroelectric transition in BaTiO3 and LiNbO3 calculated from first principles
11:15 - 11:30	T-AM-A-4-O (720) Paul Weaver	T-AM-B-4-O (296) Mitsuru Itoh	T-AM-C-4-O (705) Tim Burnett	T-AM-D-4-O (237) Kenji Ohwada	T-AM-E-4-O (276) Yusuke Tomita
	ENERGY LOSS IN PIEZOELECTRIC ENERGY HARVESTING CANTILEVERS	Fabrication and characterization of atomically flat BaTiO3 thin films on SrTiO3 substrates with various orientations	Domain dynamics in BaTiO3 single crystals within a few degrees of the ferroelectric-paraelectric transition	Dynamics of antiferroelectric/relaxor Pb(In1/2Nb1/2)O3	Numerical Study of Pb(In1/2Nb1/2)O3 by Spin Model
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 (376) Xinhua Zhu	T-AM-D-5-O (326) Alexei Bosak	T-AM-E-5-O (315) Daniel Franzbach
	FULLY-INTEGRATED, THIN-FILM PIEZOELECTRIC SENSORS FOR WIRELESS, NON-DESTRUCTIVE EVALUATION OF AGING STRUCTURES	Improving PZT Thin Film Texture Through Pt Metallization and Seed Layer	RESEARCH PROGRESS OF SIZE EFFECTS IN PEROVSKITE FERROELECTRIC NANOSTRUCTURES	A NEW MODEL OF CORRELATED DISORDER IN RELAXOR FERROELECTRICS	THE EFFECTS OF POLARIZATION DYNAMICS AND DOMAIN SWITCHING ENERGIES ON FIELD INDUCED PHASE TRANSFORMATIONS
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
	Tunable RF filters with graded-composition, MOCVD-deposited BST Capacitors	PLZT Thin Film Phase Evolution, Quantitative Microstructure Analysis and Electrical Property Development	THE INFLUENCE OF INTERFACES ON POLARIZATION IN THIN FILMS	Direct Evidence of a Flat Free Energy Surface Connecting Tetragonal and Rhombohderal Phases in Relaxor Ferroelectrics near Morphotropic Phase Bounda	DOMAIN BACK-SWITCHING DUE TO THE FREE CHARGE INJECTION UNDER THE AFM TIP STUDIED BY PHASE FIELD SIMULATIONS
T-AM-A-7-O (354) Jirayut Phontip	T-AM-D-7-O (218) Andreja Erste			T-AM-E-7-O (350) Yasothorn Sapsathiarn	
AN EMPIRICAL STUDY OF PIEZOCERAMIC SMART MATERIALS FOR ENERGY HARVESTING IN PROSTHETIC LEGS	Dielectric investigations of a new class of relaxor polymer			MODELING OF HYDROGEN DIFFUSION IN PIEZOCERAMICS WITH TEMPERATURE GRADIENT	
12:15 - 1:30	Lunch (Salon ABC)				

Tuesday, July 26, 2011, PM

Session T-PM-A
Salon D
Applications

Session T-PM-B
Salon E
Thin & Thick Films

Session T-PM-C
Salon F
Lead-Free Piezo-/Ferroelectrics

Session T-PM-D
Seymour Room
Relaxors

Session T-PM-E
Mackenzie Room
Conduction/Defects/Nano-Phenomena

1:30 - 2:00	T-PM-A-1-I (127) Senentxu Lanceros-Mendez	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
	ELECTROACTIVE POLYMERS FOR BIOMEDICAL APPLICATIONS	Progress of Aerosol Deposition Process on Piezoelectric materials and Application to Optical Micro Scanner	Flexoelectric Composites – The Cutting Edge for New Lead-Free Piezoceramics	A Comparison of Complex Lead-Oxide Perovskites in the Limits of Weak and Strong Random Electric Fields: PZT versus PMN	Impedance spectroscopy of PZT ceramics - measuring diffusion coefficients, mixed conduction and Pb loss
2:00 - 2:30	T-PM-A-2-I (120) Hidesada Natsui	T-PM-B-2-I (165) Tohru Suzuki	T-PM-C-2-I (115) Hajime Nagata	T-PM-D-2-I (140) Sergey Vakhrushev	T-PM-E-2-I (118) Kazutaka Fujiwara
	Effect of Mn and V valences for the reliability of BaTiO3 based MLCCs	Highly controlled orientation of Piezoelectric Ceramics using both Platelet particles and strong magnetic field	PIEZOELECTRIC PROPERTIES OF LEAD-FREE FERROELECTRIC CERAMICS UNDER SOME SPECIFIC CONDITIONS	Diffuse scattering in functional perovskites	Control of Electrical Properties on R (Cr, Mn) O3 (R=La, Y and rare earth element) for High Temperature Sensor Applications
2:30 - 2:45	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
	APPLICATION OF PIEZOELECTRIC MACRO-FIBER-COMPOSITE ACTUATORS FOR THE SUPPRESSION OF NOISE TRANSMISSION THROUGH CURVED GLASS SHELLS	Local Piezoelectric Nonlinearity in Lead Nickel Niobate – Lead Zirconate Titanate Thin Films	Structure and Property Transitions in Fe-doped Sodium Bismuth Titanate	Microstructural Study of Pb(In1/2Nb1/2)O3 with the Perovskite B-site Randomness	Resistance degradation in donor-doped PZT under electrical field: Identification of conductive paths and mechanism
2:45 - 3:00	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 (334) Gabriel Caruntu
	Unpowered event detection with an autonomous ferroelectric capacitor circuit	Observation of Domain Structures in NaNbO3 Thin Films by Laser Beam Scanning Microscope and Piezoresponse Force Microscope	Lead-free BNT-BKT-BT thin films by pulsed laser deposition process	ADVANCES IN RELAXOR FERROELECTRIC TERPOLYMER: NEW APPLICATIONS	Ferroelectric Monodisperse Cube-Like BaTiO3 Colloidal Nanocrystals as Building Blocks for the Design of Multiferroic Nanocomposites
3:00 - 3:30	Afternoon Break/Exhibition (Bayshore Grand Foyer)				
3:30 - 4:00	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
	PZT-based multilayer actuators	Pb(Mg1/3Nb2/3)O3-PbTiO3 films for high frequency ultrasound transducer applications	Sodium Bismuth Titanate, Na0.5Bi0.5TiO3 (NBT), and related lead-free piezoelectric materials: domains, disorder and disagreements	Pressure-composition phase diagram of Pb(Mg1/3Nb2/3)O3-xPbTiO3 solid solutions	A Model System Approach to Investigate and Improve SOFC Cathode Materials
4:00 - 4:15	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
4:15 - 4:30	APPLICATIONS OF PIEZOELECTRIC MATERIALS IN OILFIELD SERVICES	Structural and ferroelectric properties of <011>-oriented PMN-PT thin films	Temperature Dependences of Electrical Properties in (Li,Na)NbO3 Lead-free Piezoelectric Ceramics	BROADBAND INELASTIC SCATTERING OF LEAD-FREE PEROVSKITE FERROELECTRICS	IN SITU AND POST MORTEM OBSERVATION OF OXYGEN VACANCY ORDERING AND BIAS CYCLING EFFECTS IN La0.8Sr0.2CoO3 THIN FILMS
		T-PM-B-7-O (722) Aaron Welsh			
		Microcontact Printing of PZT for MEMS Applications			

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Applications

Session T-PM-B
Salon E
Thin & Thick Films

Session T-PM-C
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Lead-Free Piezo-/Ferroelectrics

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Seymour Room
Relaxors

Session T-PM-E
Mackenzie Room
Conduction/Defects/Nano-Phenomena

4:30 - 4:45	T-PM-A-7-I (171) Marcias Martinez	T-PM-B-8-O (313) Krishna Nittala	T-PM-C-7-O (355) Meredith Rogers	T-PM-D-7-O (168) Pierre-Eymeri Janolin	T-PM-E-7-O (90) Jak Chakhalian
4:45 - 5:00	Piezoelectric Sensing Element for Hydrostatic Pressure Measurements in Biomedical Applications	Nucleation and growth in solution deposited PZT thin films: Effect of heating rate	Domain Wall Motion in Lead-Free Piezoelectric Ceramics	RELAXORS UNDER STRESS: THE CASE OF PSN	STRONGLY CORRELATED ELECTRONS AND POLAR COMPENSATION IN HETEROSTRUCTURES OF RARE-EARTH NICKELATES
		T-PM-B-9-O (238) Seok-Jin Joon	T-PM-C-8-O (320) Eva Sapper	T-PM-D-8-O (242) Lin Xie	T-PM-E-8-O (167) Andrei Kholing
5:00 - 5:15	LOW-TEMPERATURE PROCESS OF Ba0.6Sr0.4TiO3 THIN FILM BY MULTI-LAYER EXCIMER LASER ANNEALING	T-PM-B-10-O (307) Faye Bygrave	Field-induced shift of the depolarization temperature in lead-free BNT-xBT	Direct observation of static polar clusters in the precursor of ferroelectric and relaxor Ba(Ti1-xSnx)O3 above the freezing temperature TVF	DIPHENYLALANINE AND PEPTIDE NANOTUBES COMPUTATIONAL MODELING AND PROPERTIES AT THE NANOSCALE
5:00 - 5:15	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 (232) Nikola Novak	T-PM-E-9-O (330) Nagarajan Valanoor
5:15 - 5:30	PIEZOELECTRICS IN MEDICAL ULTRASOUND	INTERDIFFUSION AT THE SUBSTRATE-FILM INTERFACE OF BiFeO3-PbTiO3 THIN FILMS on Pt/Si	Microprobe analysis of (1-x)BNT-xBKT	Enhancement of electromechanical effect near the critical point in ferroelectric relaxor material	Exploring Topological Defects in Epitaxial BiFeO3 Thin Films
		T-PM-B-11-O (377) Shengwen Yu	T-PM-C-10-O (331) Ichiro Fujii	T-PM-D-10-O (212) Jianjun Yao	T-PM-E-10-O (271) Tae-Heon Kim
5:30 - 5:45	La And Ga Co-substituted BiFeO3-PbTiO3 Thin Film Prepared by PLD	T-PM-B-12-O (248) Mark Twigg	Structural, Dielectric, and Piezoelectric Properties of BaTiO3-Bi(Mg1/2Ti1/2)O3-BiFeO3 Ceramics	Study of domain and local structure of lead-free Na1/2Bi1/2TiO3-BaTiO3 crystals	Polarity Dependence and Interfacial Effect in Polarization Reversal of BiFeO3 Films
5:30 - 5:45	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-11-I (192) Arunava Gupta
5:45 - 6:00	Dual frequency phased array for improved cardiac imaging	EXTENDED DEFECTS IN SPUTTER-DEPOSITED BaSrTiO3 FILMS AND THE INFLUENCE OF OXYGEN PARTIAL PRESSURE AND VACANCIES	High-performance piezoelectric ceramics with d33>600pC/N	RELATIONSHIP BETWEEN STRUCTURAL CHARACTERISTICS AND INFLUENCE OF DOPING ON THE DIELECTRIC DISPERSION OF RELAXORS	Ferroelectric domain scaling and electronic properties in ultrathin BiFeO3 films
		T-PM-B-13-O (225) Afzal Khan			
5:45 - 6:00	Synthesis of Ba-dopped SrCu2O2 as a p-type transparent conducting oxide thin film by MOCVD				

6:00- 6:30 Break

6:30 - 8:30 Gala Dinner (Salon ABC)

Wednesday, July 27, AM					
8:00 - 8:45	Plenary PL-5 (Salon ABC)		R. Ramesh	ELECTRIC FIELD CONTROL OF MAGNETISM USING MULTIFERROICS	
8:45 - 9:30	Plenary PL-6 (Salon ABC)		Akira Ando	RECENT PROGRESS ON FERROELECTRIC CERAMICS	
9:30 - 10:00	Morning Break/Exhibition (Bayshore Grand Foyer)				
10:00 - 10:30	Session W-AM-A Salon D Applications	Session W-AM-B Salon E Multiferroics	Session W-AM-C Salon F Piezo-/FE/Single Crystals	Session W-AM-D Seymour Room New Characterizations	Session W-AM-E Mackenzie Room Fundamnetals/Structures/New Advances
	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
10:30 - 11:00	Ferroelectric Materials for Explosively Driven Pulsed Power Systems	PHASE TRANSITIONS IN MULTIFERROIC BIFEO3 THIN FILMS	FERROELECTRIC AND PIEZOELECTRIC PROPERTIES OF (Bi1/2K1/2)TiO3-(Bi1/2Na1/2)TiO3 SINGLE CRYSTALS	NOVEL ATOMIC RESOLUTION SCANNING TRANSMISSION ELECTRON MICROSCOPY FOR OXIDE MATERIALS	NEAR-FIELD SUPERLENSING BASED ON LAYERED PEROVSKITE STRUCTURES
	W-AM-A-2-I (189) Guus Rijnders	W-AM-B-2-I (126) Chishun Tu	W-AM-C-2-I (108) Shujun Zhang	W-AM-D-2-I (161) Jacob Jones	W-AM-E-2-I (162) Nina Balke
11:00 - 11:15	ALL-OXIDE PIEZOMEMS DEVICES BY LARGE AREA PULSED LASER DEPOSITION	ORIGIN OF LOW-FREQUENCY DIELECTRIC PERMITTIVITY IN MULTIFERROIC BiFeO3 CERAMICS	Evaluation of PIN-PMN-PT Crystals for Various Applications	Diffraction of Ferroelectrics During Electric Field Application: New Approaches Yield New Insight	Topological defects in ferroelectrics: Manipulation and characterization
	W-AM-A-3-O (749) George Saddik	W-AM-B-3-O (717) Alain Pignolet	W-AM-C-3-O (254) Nevin Sherlock	W-AM-D-3-O (333) Rattikorn Yimnirun	W-AM-E-3-O (755) Dean Keeble
11:15 - 11:30	An L-SECTION DC ELECTRIC FIELD SWITCHABLE BULK ACOUSTIC WAVE SOLIDLY MOUNTED RESONATOR FILTER BASED ON Ba0.5Sr0.5TiO3	Bi2FeCrO6 NANOSTRUCTURES MULTIFERROIC AT ROOM TEMPERATURE	Nonlinear Response in Relaxor-PT Single Crystals for High Power SONAR Transducers	INVESTIGATION OF LOCAL STRUCTURE IN MULTIFUNCTIONAL OXIDE MATERIALS WITH SYNCHROTRON X-RAY ABSORPTION SPECTROSCOPY	Studying the Local Structure of Ferroelectrics using Nuclear Magnetic Resonance
	W-AM-A-4-I (180) Jurgen Brunahl	W-PM-B-4-O (103) Igor Raevski	W-AM-C-4-O (259) Peter Finkel	W-AM-D-4-O (389) Markys Cain	W-AM-E-4-O (228) Xianran Xing
11:30 - 11:45	HIGH PRECISION MICROMACHINING OF PZT BULK CERAMICS FOR INDUSTRIAL INKJET APPLICATIONS	HE EFFECT OF A-SITE AND B-SITE ION SUBSTITUTIONS ON THE TEMPERATURES OF FERROELECTRIC AND MAGNETIC PHASE TRANSITIONS IN MULTIFERROIC PbFe0.5Nb0.5O3	LARGE DISPLACEMENT ACOUSTIC SOURCE USING PHASE TRANSITION IN RELAXOR-FERROELECTRIC Pb(In1/2Nb1/2)O3–Pb(Mg1/3Nb2/3)O3–PbTiO3 SINGLE CRYSTALS	IN-SITU REAL TIME STRUCTURAL RESPONSE OF A FERROELECTRIC TO AN APPLIED EXTERNAL ELECTRIC FIELD OF VARYING FREQUENCY	Multiferroics and High Mechanical Performance in (1-x-y)PbTiO3-xBi(Ni1/2Ti1/2)O3-yBiScO3
		W-AM-B-5-O (719) Clare Cambridge	W-AM-C-5-O (283) Rui Zhang	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) Anjani Achanta	W-AM-B-6-I (129) Vladimir Shvartsman	W-AM-C-6-O (282) Haijun Wu	W-AM-D-6-I (199) Paul Evans	W-AM-E-6-O (285) Jun Zhu
	Ultrasonic Transducer Array Sensor for Borehole Imaging of Fractures at 300 ° C	HIGHER ORDER MAGNETOELECTRIC COUPLING IN DISORDERED MULTIFERROICS	Nano-scale domain structure at MPB and the associated high properties in PMN-PT	Structural consequences of ferroelectric nanolithography	Modulation effect on electrical transportation characteristics of AlGaN/GaN by epitaxial LiNbO3 ferroelectric films
W-AM-C-7-O (319) Liudmila Kamzina			W-AM-E-7-O (761) KuldeepK Raina		
12:00 - 12:15			STUDY OF OPTIC AND ELECTROOPTIC PROPERTIES OF PbMg1/3Nb2/3O3-xPbTiO3 SINGLE CRYSTALS AND TRANSPARENT CERAMICS		Improved electro-optic and opto-dielectric responses of Ni nanoparticles doped ferroelectric liquid crystals
12:15 - 1:30	Lunch (Salon ABC)				

Wednesday, July 27, 2011, PM					
	Session W-PM-A Salon D Applications/Films	Session W-PM-B Salon E Multiferroics	Session W-PM-C Salon F Lead-Free Piezo-/Ferroelectrics	Session W-PM-D Seymour Room Pyro-/Ferroelectrics	Session W-PM-E Mackenzie Room New Advances/PZT-Related
1:30 - 2:00	W-PM-A-1-I (181) Dmitri Strukov	W-PM-B-1-I (122) Jinsong Zhu	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
	Memristive devices and circuits	Dielectric, Magnetic, Multiferroic Properties in Garnet Re3Fe5O12 ceramics	STUDY OF NICKEL INNER ELECTRODE LEAD-FREE PIEZOELECTRIC CERAMICS	DIRECT OBSERVATION AND QUANTITATIVE ANALYSIS OF FERROELECTRIC DOMAIN SWITCHING BEHAVIOR USING IN SITU TEM TECHNIQUES	INELASTIC SCATTERING STUDIES OF PZT SINGLE CRYSTALS
2:00 - 2:30	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 (125) James Rondinelli	W-PM-E-2-I (92) Alexei A. Bokov
	In Situ Studies on the Effect of Oxygen Partial Pressure on the Properties of Ferroelectric Thin Films	Nanoscale Chemical, Structural And Electromechanical Properties of Rare-Earth Substituted BiFeO3 Epitaxial Thin Films	K0.5Na0.5NbO3 BASED LEAD-FREE THICK FILMS: PREPARATION, CHARACTERIZATION AND APPLICATIONS	Designer ferroelectrics: engineering polar perovskites from centric polyhedral rotations	CRITICAL BEHAVIOUR at Ferroelectric phase transitions
2:30 - 2:45	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
	FERRO- AND PIEZOELECTRIC PROPERTIES OF (Bi3.25Nd0.75)Ti3O12 NANOPATES EPITAXIALLY GROWN ON Nb:TiO2(101) SUBSTRATE BY SPUTTERING	MICROSTRUCTURAL EFFECTS ON MAGNETOELECTRIC COUPLING FOR TERFENOL-D/P(VDF-TRFE)/TERFENOL-D LAMINATES	Structural study and phase transitions of lead-free Bi1/2Na1/2TiO3-Bi1/2K1/2TiO3-(K0.5Na0.5NbO3) ceramics	Pyroelectric and Eletrocaloric Effect in (Pb,La)(Zr,Sn,Ti)O3 Antiferroelectric Ceramics	High resolution X-ray diffraction study of single crystals of Lead Zirconate Titanate
2:45 - 3:00	W-PM-A-4-O (205) Marc Lethiecq	W-PM-B-4-I (104) Ying Hao Chu	W-PM-C-4-O (249) Xiaoli Tan	W-PM-D-4-O (325) Jianguo Zhu	W-PM-E-4-O (388) Nichola Middleton-Stewart
	NON-PLANAR PAD-PRINTED THICK-FILM FOCUSED HIGH FREQUENCY ULTRASONIC TRANSDUCERS FOR IMAGING AND HIFU APPLICATIONS	Functionality Design and Misorientation Control in Self-Assemble Perovskite-Spinel Hetero-eptaxial Nanostructures	STRUCTURE-PROPERTY RELATIONSHIP IN UNPOLED (1-x)(Bi1/2Na1/2)TiO3-xBaTiO3 CERAMICS	EFFECT OF Mn-Y CODOPING ON THE INTRINSIC PYROELECTRIC PROPERTY OF BST CERAMICS	IN SITU XRD STUDY OF THE ELECTRIC FIELD INDUCED ANTIFERROELECTRIC – FERROELECTRIC PHASE TRANSFORMATION IN PZT
3:00 - 3:15	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
	CSD-prepared PbxTiO3 Seed Layer for {100}-textured PZT Films: Composition and Concentration Effects		THE TEMPERATURE-DEPENDENCE OF PHASE TRANSITIONS IN LEAD-FREE FERROELECTRICS UNDER UNIAXIAL STRESS	ELECTRON RADIATION ENHANCEMENT BY RADIATION HEAT	STRUCTURAL INVESTIGATIONS OF Pb(Zr, Ti) O3
3:15 - 3:30	W-PM-A-6-O (349) Ali B. Alamin Dow	W-PM-B-5-I (148) Alexander Sigov	W-PM-C-6-I (177) Eberhard Hennig	W-PM-D-6-O (338) Sebastjan Glinsek	W-PM-E-6-I (179) Andreas Schoenecker
	Analysis and Modeling of AlN Bimorph Piezoelectric Autonomous Microgenerator	MULTIFERROIC EFFECTS IN PEROVSKITE MULTILAYERS: NONLINEAR-OPTICAL STUDIES	Lead-free piezoceramic materials for industrial applications	INDUCED FERROELECTRICITY IN POLYCRYSTALLINE KTaO3 THIN FILMS	INVESTIGATION OF DOMAIN SWITCHING OF PZT AND KNN – BASED CERAMICS ON MACRO AND MICRO SCALE
3:30 - 3:45	W-PM-A-7-O (366) Kirsten Brookshire			W-PM-D-7-O (289) Guolong Li	
	Unipolar Fatigue in Pb(Zr,Ti)O3 Thin Films			The Piezoelectric and Dielectric Properties of (1-x)Bi(Mg2/3Nb1/3)O3-xPbTiO3 Ferroelectric Ceramics Near the Morphotropic Phase Boundary	
3:45 - 4:00	Afternoon Break/Exhibition (Bayshore Grand Foyer)				
4:00 - 4:45	Plenary PL-7 (Salon ABC) IEEE Distinguished Lecture Dragan Damjanovic ON THE ORIGINS OF ELECTROMECHANICAL COUPLING IN COMPLEX MATERIALS				
4:45 - 5:00	Closing				