

2008 MRS FALL MEETING SESSION LOCATOR

2008 MRS FALL MEETING SESSION LOCATOR								
SYMP.	WEDNESDAY, DECEMBER 3			THURSDAY, DECEMBER 4			FRIDAY, DECEMBER 5	
	a.m.	p.m.	eve*	a.m.	p.m.	eve*	a.m.	p.m.
A	A10: Dielectrics A11: Advanced Devices	A12: Advanced Materials A13: Thin Film Transistors						
B	B7: ZnO Materials	B8: ZnO Spintronics & P-Type ZnO		B9: Nanotube TCs & Atomic Layer Deposition	B10: Towards Amorphous Oxide Electronics			
C	C7: Strain-Induced Ferroelectricity	C8/V10: Device Applications of Multiferroics	C9: Posters	C10: Novel Multiferroic Materials & Heterostructures	C11: Polarization Catastrophe C12: Novel Characterization Techniques		C13: Domain Structure & Dynamics (Republic B-S)	
D	D5: Rare Earth Doping & Devices in Silicon-Related Materials	D6/MM9: Er-Doped Si Nanostructures (Room 309-H)	D7: Posters	D8: Phosphors & Scintillators				
E	E6: Materials & Modeling							
F	F4: Porous & Structured Films	F5: Printing, Lithography, Patterning	F6: Posters	F7/P6: Solution Processed Photovoltaic Materials	F8: Bath-Based Deposition & Liquid Precursor Routes	F9: Posters		
G	G9: From Devices to Circuits & Systems I G10: Energy Generation & Storage I	G11: Solution-Processed Nanomaterials	G12: Posters	G13: Large-Area Compatible Processing & Materials II	G14: From Devices to Circuits & Systems II G15: Energy Generation & Storage II			
H	H3: Organic Transistors	H4: Organic Light-Emitting Devices	H5: Posters	H6: Organic Photovoltaics I	H7: Organic Photovoltaics II	H8: Posters	H9: Organic Interfaces—Fundamentals & Devices (Independence West-S)	
I	I9: Small-Scale Mechanical Properties I							
J	J6: Semiconductors V J7: Superconductors I	J8: Superconductors II						
K	K5: Correlated Materials	K6: Spintronic Applications	K7: Posters	K8: Magnetic Characterization	K9: Magnetic Nanowires & Other Nanostructures			
L	L3: Theoretical Studies of Half-Metallic Behavior in Bulk Materials & Interfaces	L4: Applications of Half-Metallic Ferromagnets, Including Shape Memory, Nanoparticles, CPP-GMR, Spin Filter, & Spin Dynamics	L5: Posters	L6: Half-Metallic Oxides & New Ferromagnetic Semiconductors, e.g., Double Perovskites, Doped ZnO, Spinel, etc.	L7: Advanced Characterization Methods, Including Spin Polarization Measurement			
M	M9: Quantum Dots M10: Nanostructures							
N	N10: Epitaxial Quantum Dot & Quantum Well Solar Cells N11: Hot Carrier & Epitaxial Quantum Dot Solar Cells	N12: Luminescent Solar Concentrators N13: Nanowire Solar Cells	N14: Posters	N15: Type II B& Offset Nanostructures & Related Materials N16: Advances in Dye-Sensitized Solar Cells & Photocatalysis	N17: Inorganic Absorber Sensitized Solar Cells N18: Inorganic/Organic Hybrid Solar Cells			
O	O4: Fluorites—Electromagnetic & Optical Properties O5: Fluorites—Ion Transport I	O6: Fluorites—Ion Transport II O7/Q6: Fluorites—Actinide Fuel & Waste Forms (Back Bay D-S)		O8: Fluorites—Radiation Effects I O9: Fluorites—Radiation Effects II				

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SYMP.	TITLE	LOCATION	MONDAY, DECEMBER 1			TUESDAY, DECEMBER 2		
			a.m.	p.m.	eve.*	a.m.	p.m.	eve.*
P	Photovoltaic Materials & Manufacturing Issues	Independence East (Sheraton)				P1: Si-Based Materials, Solar Cells Manufacturing	P2: Optical Effect, Light Trapping, Crystallization	
Q	Scientific Basis for Nuclear Waste Management XXXII	Back Bay D (Sheraton)	Q1: National Programs & Advanced Fuel Cycles	Q2: Spent Nuclear Fuel		Q3: Nuclear Waste Glasses & Vitrification	Q4: Ceramic Wasteforms	
R	Materials for Future Fusion & Fission Technologies	Independence West (Sheraton)				R1: ODS R2: Structural Materials	R3: Defects R4: Fundamental Aspects	
S	Solid-State Ionics	Back Bay A (Sheraton)	S1: Micro SOFCs—From Materials to Devices	S2: Modelling & Fundamental Studies	S3: Posters	S4: Innovative Concepts for Energy Storage S5: Battery Materials—Electrolytes & Systems	S6/PP5: Solid State Ionics for Energy (Back Bay C-S)	
T	Mobile Energy	Liberty (Sheraton)	T1: Batteries I	T2: Cathodes & Anodes		T3: Batteries II	T4: Novel Conversion & Storage Techniques	T5: Posters
U	Advanced Intermetallic-Based Alloys for Extreme Environment & Energy Applications	Constitution A (Sheraton)	U1: Intermetallics for Hydrogen Storage & Thermoelectric Applications	U2: Iron Aluminides—Physical Metallurgy, Processing, & Properties		U3: Titanium Aluminides I—Physical Metallurgy, Processing, & Properties	U4: Titanium Aluminides II—Structure, Properties, & Coatings	U5: Posters
V	Materials, Devices, & Characterization for Smart Systems	Commonwealth (Sheraton)	V1: Magnetostrictives V2: Multifunctionals & Multiferroics	V3: Sensors & Novel Processing	V4: Posters	V5: Novel Active Materials—Polymers V6: Novel Active Materials—Composites	V7: Optics	
W	Computational Materials Design via Multiscale Modeling Tutorial**	Constitution B (Sheraton)	W1: New Approaches Toward Multiscale Materials Design	W2: Materials in Energy Applications		W3: Nano Technology & Devices	W4: Heterogenous Materials W5: Polymer & Biomaterials	W6: Posters
X	Frontiers of Materials Research	Grand Ballroom (Sheraton)		X1			X2	
Y	Biomineral Interfaces—From Experiment to Theory	Berkeley A/B (Sheraton)	Y1: The Organic/Mineral Interface	Y2: Biomolecules on Surfaces	Y3: Posters	Y4: Mesocrystals & Aggregation	Y5: Biomimetics & Biomaterialization	
Z	Mechanics of Biological & Bioreplacement Materials	Back Bay B (Sheraton)				Z1: Tissue Mechanics I	Z2: Tissue Mechanics II	
AA	Materials for Optical Sensors in Biomedical Applications	Gardner A/B (Sheraton)		AA1: Biomedical Devices for Resources Limited Setting AA2: Waveguide-based Sensors		AA3: Interferometric Biosensors AA4: Defraction Biosensors	AA5: Fluorescence-based Biosensors AA6: Surface Sensing	AA7: Posters
BB	Polymer-Based Smart Materials—Process, Properties, & Application	Grand Ballroom (Sheraton)				BB1: New Materials & Characterization	BB2: Device Application	
CC	Design, Fabrication, & Self Assembly of "Patchy" & Anisometric Particles	Fairfax A (Sheraton)				CC1: Self Assembly of Anisotropic Particles	CC2: Synthesis of Patchy & Anisometric Particles	CC3: Posters
DD	Materials in Tissue Engineering	Hampton A/B (Sheraton)	DD1: Novel Materials in Tissue Engineering	DD2: Cell-Responsive Materials	DD3/HH6: Posters	DD4: Applied Tissue Engineering—Tissue Engineered Products & Materials Issues in Industry	DD5: Scaffold Fabrication Methods	
EE	Nano- & Microscale Materials—Mechanical Properties & Behavior under Extreme Environments	Room 200 (Hynes)	EE1/NN1 <i>In-situ</i> Nanomechanics	EE2: Anomalous Nanomechanical Behavior		EE3: Fatigue, Fracture, & Tribology	EE4: Thin Films, Multilayers, & Nanocomposites—Mechanics & Radiation Effects	EE5: Posters
FF	Nanofunctional Materials, Structures, & Devices for Bio-medical Applications Tutorial**	Room 304 (Hynes)	Tutorial FF1: Nanotechnology for Biomedical Applications	FF2: Nanoparticles for Drug Delivery	FF3: Posters	FF4: <i>In-vitro</i> Diagnostics Using Nanodevices	FF5: Nanodevices for Screening & Analysis	FF6: Posters
GG	Microelectromechanical Systems—Materials & Devices II	Room 306 (Hynes)	GG1: Materials & Processes for MEMS	GG2: Microdevices & Micro/Nanofluidics	GG3: Posters	GG4: Micro/ Nanomechanics	GG5: MEMS Reliability & Tribology	

*Poster Sessions: All Evening Poster Sessions Located in Exhibition Hall D (Hynes)

**Refer to Tutorial Schedule

Shaded Blocks: No Session

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	a.m.	p.m.	eve*	a.m.	p.m.	eve*	a.m.	p.m.
P	P3: Heterojunction Solar Cells, Solar Cell Processing, Polycrystalline Silicon	P4: Organic Solar Cells	P5: Posters	P6/F7: Solution-Processed Photovoltaic Materials (Room 208-H)	P7: Thin-Film Materials, Thin-Film Solar Materials, Thin-Film Solar Cells, Processing			
Q	Q5: Engineered Barrier Systems, the Near Field & Cementitious	Q6/O7: Fluorites—Actinide Fuel, & Waste Forms	Q7: Posters	Q8: Focus on YUCCA Mountain	Q9: Container Corrosion	Q10: Posters	Q11: Migration & Colloids	
R	R5: Radiation Damage	R6: Coatings	R7: Posters	R8: Defect Evolution R9: Fuels	R10: Fuels Modeling			
S	S7/T6: Solid State Ionics for Mobile Energy	S8: Cathodes for SOFCs	S9: Posters	S10: Solid Oxide Fuel Cells I	S11: Solid Oxide Fuel Cells II S12: PEM Fuel Cells	S13: Posters	S14: Battery Materials—Electrodes	
T	T6/S7: Solid State Ionics for Mobile Energy (Back Bay A-S)	T7: Fuel Cells						
U	U6: Nickel/Cobalt Superalloys, & Nickel Aluminides	U7: Niobium & Molybdenum Silicide-Based Alloys		U8: Laves Phases—Structure & Properties	U9: Fundamental Aspects of Intermetallics—Phase Stability, Defects, Theory			
V	V8: Actuators & Energy Conversion V9: Thin Film Ferroelectrics	V10/C8: Device Applications of Multiferroics (Room 210-H)	V11: Posters	V12: Shape Memory V13: Ferromagnetic Shape Memory	V14: MEMS			
W	W7: Metals & Alloys—From Atom to Microstructure I	W8: Metals & Alloys—From Atom to Microstructure II W9: Thin Film & Coating		EE8/W10: Computational Nanomechanics I—Dislocations & Radiation Effects	W11/EE9: Computational Nanomechanics II—Nanocrystals & Nanowires	W12: Posters	W13: Computational Mechanics	
X		X3			X4			
Y								
Z	Z3: Tissue Mechanics IV	Z4: Cellular Mechanics		Z5: Mechanics of Biomolecules	Z6: Mechanics of Biomedical Materials I	Z7, Z8: Posters	Z9: Mechanics of Biomedical Materials II	
AA	AA8: Label-Free Sensors for Complex Fluid I	AA9: Surface-Enhanced Raman AA10: Label-Free Sensors for Complex Fluid II						
BB	BB3: New Materials & Characterization	BB4: Device Application	BB5: Posters	BB6: New Materials & Characterization I	BB7: New Materials & Characterization II	BB8: Posters	BB9: E-NSF & New Materials	
CC	CC4: Theory & Simulation of Self Assembly	CC5: Fabrication & Assembly I		CC6: Fabrication & Assembly II				
DD								
EE	EE6: Deformation Mechanisms at Small-Length Scales	EE7: Nanomechanical Testing & Characterization		EE8/W10: Computational Nanomechanics I—Dislocations & Radiation Effects (Constitution B-S)	EE9/W11: Computational Nanomechanics II—Nanocrystals & Nanowires (Constitution B-S)	EE10: Posters	EE11: Deformation under Shock, High Strain Rate, & High Pressure Conditions (Liberty-S)	
FF	FF7: Multifunctional Nanoparticles for Biomedical Applications	FF8: Interfacial Surface Functionalization & Dynamics for Biomedical Applications	FF9: Posters	FF10: Nanomaterial Formation & Interactions for Biomedical Applications	FF11: Nanoparticles for <i>In-vivo</i> Biomaging	FF12: Posters		
GG								

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	a.m.	p.m.	eve*	a.m.	p.m.	eve*	a.m.	p.m.
HH	HH9: Tissue Engineering HH10: Controlling Stem Cell Function	HH11: Advanced Materials for Imaging HH12: Cancer Targeting	HH13: Posters					
II	II4: Applications of Bio-inspired Materials	II5: Bio-inspired Sensors						
JJ	JJ11: Electronic & Optical Properties I JJ12: Electronic & Optical Properties II	JJ13: Optical Properties & Raman Spectroscopy JJ14: Optical & Thermal Properties	JJ15: Posters	JJ16: Mechanical Properties I JJ17: Mechanical Properties II	JJ18: Nanocomposites JJ19: Device Applications	JJ20: Posters		
KK	KK6: Microstructure KK7: Thermally Conductive Nanocomposites							
LL	LL8: Electro/Mechanical Properties LL9: Electrical & Thermal Transport	LL10: Sensing LL11: Advances in Growth & Characterization III	LL12,13: Posters	LL14: Synthesis of Heterostructures LL15: Optical Properties I	LL16: Optical Properties II—Alloys & Heterostructures LL17: Photodetection	LL18, LL19, LL20: Posters	LL21: Metal Nanowires (Constitution A-S)	
MM	MM7: Ultrathin Si Layers MM8: Si Nanostructures II	MM9/D6: Er-Doped Si Nanostructures		MM10: Si Devices MM11: Si Nanostructures III	MM12: Nanowires & Thermoelectrics MM13: Porous Silicon & Beyond			
NN	NN7: Kinetics of Phase Transformations in Nanomaterials	NN8: Low-Energy Electron & X-ray Microscopies	NN9: Posters	NN10: <i>In-situ</i> Studies of Thin-Film Growth	NN11: <i>In-situ</i> Scanning Probe Microscopy Studies of Surface Structures & Properties			
OO	OO4: GISAXS Studies of Nanoparticle & Nanoporous Thin Films	OO5: GISAXS Studies of Biomolecular Materials, Complex & Structured Interfaces		OO6: GISAXS Studies of Inorganic Thin Film & Nanostructured Growth				
PP	PP8: Synthesis, Properties, & Characterization of Nanomaterials	PP7: Nanostructures & Thin Films	PP8, PP9: Posters	PP10: Porous & Framework Materials	PP11: Thermoelectrics & Spintronics	PP12, PP13, PP14: Posters	PP15: Characterization of Complex Structures	
QQ	QQ9: Photovoltaics III—Organic-Inorganic Hybrid Solar Cells QQ10: Photovoltaics IV—Materials & Devices for Polymer-based Solar Cells	QQ11: Photovoltaics V—Device Engineering & Physics QQ12: Interface Engineering & Physics						
RR	RR5: IBAD Long-Length Application RR6: Texturing by Sputtering & Other Techniques	RR7: Inclined Substrate Deposition & Vicinal Substrates						
SS	SS1: Qualifying New Materials I SS2: In-Room Poster Session I	SS3: Qualifying New Materials II						
TT	TT8: Beyond Metallic Systems TT9: Deformation of Metallic Glasses I	TT10: Deformation of Metallic Glasses II						