

2002 MRS FALL MEETING SESSION LOCATOR

SYMPOSIUM	LOCATION	MONDAY, DECEMBER 2			TUESDAY, DECEMBER 3		
		a.m.	p.m.	eve.*	a.m.	p.m.	eve.*
A: Defect-Mediated Phenomena in Ordered Polymers	Room 303 (Hynes)	A1	A2		A3	A4	A5: Posters
B: Polymer/Metal Interfaces—Fundamentals, Properties, and Applications SUNDAY TUTORIAL**	Room 207 (Hynes)	B1: Interfacial Chemistry & Adhesion	B2: Interfacial Adhesion & Failure		B3: Structure, Thermal & Mechanical Properties of Interfaces	B4: Interface Energetics	
C: Bio-Inspired Nanoscale Hybrid Systems	Room 208 (Hynes)	C1/NN1: Arrays, Essays & Diagnostics I	C2/NN2: Arrays, Essays & Diagnostics II C3: Arrays, Essays & Diagnostics III		C4: Arrays, Essays & Diagnostics IV C5: Mineralization, Implants & Surfaces I	C6: Mineralization, Implants & Surfaces II C7: Biomaterials I	
D: Electronics on Unconventional Substrates—Electrotextiles and Giant-Area Flexible Circuits	Room 201 (Hynes)	D1: Electrotextiles	D2: Fibers for Electronic & Photonic Applications	D3: Posters	D4: Electronics on Flexible Substrates	D5: Power Suppliers for Electronics on Non-Conventional Substrates D6: Printing for Electronics	D7: Posters
E: Physics and Technology of Semiconductor Quantum Dots	Room 310 (Hynes)	E1: Quantum Dot Theory E2: Quantum Dot Growth I	E3: Quantum Dot Growth II E4: Quantum Dot Growth III		E5: Quantum Dot Growth IV — Narrow Gap Semiconductors E6: Quantum Dot Optics I	E7: Quantum Dot Optics II E8: Quantum Dot Optics III	
F: Nanocrystalline Semiconductor Materials and Devices	Room 311 (Hynes)	F1: Si Nanocrystals & nc-Si Superlattices	F2: SiGe Nanostructures	F3: Posters	F4: Bioactive Nanostructures & Surface Chemistry	F5: Novel Lithographic Techniques & Lateral Nanopatterning	
G: Spatially Resolved Characterization of Local Phenomena in Materials and Nanostructures	Room 200 (Hynes)	G1: Atomic-Scale Characterization with Electron Optics	G2: Optically Based Probes—Luminescence & Raman		G3: Tunneling-Based Probes of Semiconductors G4: New Probes of Nanoscale Properties	G5: Scanning Probe Applications of Microscopies G6: Scanning Probe Based Mechanical Property Measurements	G7: Posters
H: Three-Dimensional Nanoengineered Assemblies SUNDAY TUTORIAL**	Room 309 (Hynes)	H1: Nanofabrication via Lithographic Techniques	H2: Plasmon Processes on the Nanoscale		H3: Nanofabrication via Non-lithographic Techniques	H4: Fabrication & Properties of 2D-Ordered Nanostructures	
I: Nanomaterials for Structural Applications	Room 312 (Hynes)	I1: Fracture & Mechanical Properties I	I2: Fracture & Mechanical Properties II	I3: Posters	I4: Fracture & Mechanical Properties III I5: Polymer-Based Nanostructured Materials	I6: Nanocomposites—Synthesis & Properties	I7: Posters
J: Nano- and Microelectromechanical Systems (NEMS and MEMS) and Molecular Machines SUNDAY TUTORIAL**	Room 313 (Hynes)	J1: Micro- & Nanofluidics J2: Nanotechnology & Molecular Machines I	J3: Mechanical Properties & Characterization I J4: Alternative Micro- & Nanofabrication Techniques I	J5: Posters J6/NN3: Posters	J7/NN4: Molecular Electronics J8/NN5: Nanotechnology and Molecular Machines II	J9: Mechanical Properties & Characterization II J10: Alternative Micro- & Nanofabrication Techniques II	
K: Silicon Carbide—Materials, Processing, and Devices	Room 206 (Hynes)		K1: Epitaxial Growth	K2: Posters	K3: Characterization/Defects	K4: MOS Technology	K5: Posters
L: GaN and Related Alloys	Room 302 (Hynes)	L1: Epitaxy—Devices & Defect Reduction	L2: Defects & Characterization	L3: Posters	L4: Epitaxy—Nonpolar Orientations & Alloys	L5: Optical Properties	L6: Posters
M: Progress in Semiconductor Materials II—Electronic and Optoelectronic Applications	Room 210 (Hynes)	M1: Electronic Devices	M2: Si/Ge Devices & Technology		M3: Zinc Oxide & Related Compounds	M4: Emitters, Lasers & Photovoltaics	M5: Posters
N: Novel Materials and Processes for Advanced CMOS	Room 202 (Hynes)	N1: High-k Characterization I	N2: High-k Characterization II & Atomic Laser Deposition I		N3: Gate Metal Materials & Integration	N4: Contacts & Ultrashallow Junction Formation	N5, N6: Posters
O: Microphotronics III—Materials and Applications SUNDAY TUTORIAL**	Room 203 (Hynes)	O1: Soft Condensed Matter Approaches to Photonic Crystals	O2: Microstructural & Photonic Crystal Fibers		O3: Modified Emission & Lasing in Microphotonic Structures	O4: Planar Microphotonic Structures & Devices I	O5: Posters
P: Novel Aspects of Spintronic Materials and Devices	Room 204 (Hynes)	P1: Spin Injection	P2: Spin Injection & Rashba Effect		P3: Spin Injection & Applications	P4: From Magneto-resistance to Quantum Computing	P5: Posters
Q: Magnetoelectronics—Novel Magnetic Phenomena in Nanostructures SUNDAY TUTORIAL**	Room 209 (Hynes)	Q1: Magnetic Systems	Q2: Magnetic Multilayers		Q3: Magnetotransport	Q4: Magnetic Nanostructures	
R: Advanced Characterization of Artificially Structured Magnetic Materials	Room 205 (Hynes)	R1: Interfacial Magnetism	R2: Spin Dynamics		R3: Spin Transport Followed by Scattering from Magnetic Structures	R4: Imaging Magnetic Structures	R5: Posters
S: Advances in Superconductivity—Electronics and Electric Power Applications from Atomically Engineered Microstructures SUNDAY TUTORIAL**	Room 306 (Hynes)	S1: MgB ₂ & New Materials	S2: Wires & Coated Conductors	S3: Posters	S4: Cuprates—Structure-Property Relations	S5: Grain Boundaries & Critical Currents	
T: Crystalline Oxides on Semiconductors	Room 308 (Hynes)		T1: Epitaxial Oxide-Silicon Heterostructures I	T2/U7: Posters	T3: Epitaxial Oxide-Silicon Heterostructures II	T4/U9: Ferroelectric Thin Films on Silicon (Room 304)	
U: Ferroelectric Thin Films XI SUNDAY TUTORIAL**	Room 304 (Hynes)	U1: Ferroelectric Nonvolatile Memories—Technology & Fundamentals	U2: Thin Film Processing, Properties, & Characterization	U3, U4, U5, U6, U7/T2: Posters	U8: Fundamental Properties of Ferroelectric Thin Films	U9/T4: Ferroelectric Thin Films on Silicon	
V: Interfacial Issues for Oxide-Based Electronics	Fairfax A (Sheraton)	V1: Transparent Conducting Oxides	V2: TCO II & Oxides Growth & Properties		V3: Field Effect Devices & Gate Dielectrics	V4: Ferroelectrics, Capacitors & Sensors	
W: Morphological and Compositional Evolution of Thin Films	Constitution A (Sheraton)	W1: Atomistic Structure & Dynamics of Steps & Islands, & Their Influence on Large-Scale Aspects of Film Evolution	W2: Island Nucleation, Growth, Coalescence & Coarsening	W3, W4, W5: Posters	W6: Morphological Relaxation Towards Equilibrium W7: Stress Relaxation	W8: Effects of Stress W9: Stress Evolution During Film Deposition	W10, W11, W12, W13: Posters
X: Frontiers of Materials Research	Grand Ballroom (Sheraton)		X1: DAVID TURNBULL AWARD LECTURE			X2	
Y: Surface Engineering 2002—Synthesis, Characterization, and Applications	Constitution B (Sheraton)	Y1: Nano- & Micrometer-Scale Characterization & Properties	Y2: Nanostructured Materials		Y3: Deposition, Characterization, & Properties of Films & Coatings	Y4: Industrial Applications of Surface Engineering	Y5: Posters
Z: Structure-Property Relationships of Oxide Surfaces and Interfaces II	Independence West (Sheraton)	Z1	Z2	Z3: Posters	Z4	Z5	

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

Shaded Blocks: No Session

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SYMPOSIUM	LOCATION	MONDAY, DECEMBER 2			TUESDAY, DECEMBER 3		
		a.m.	p.m.	eve.	a.m.	p.m.	eve.*
AA: Membranes—Preparation, Properties, and Applications	Back Bay D (Sheraton)	AA1: Synthesis & Fabrication of Organic Membranes AA2: Synthesis of Zeolite Membranes	AA3: Surface Modification & Additives AA4: Hybrid & Composite Membranes		AA5: Synthesis of Membranes with Templates AA6: Membrane Characterization	AA7: Transport Phenomena in Membranes	AA8: Posters
BB: Defect Properties and Related Phenomena in Intermetallic Alloys	Back Bay B (Sheraton)				BB1: Nickel & Iron Aluminides	BB2: Ultra-High Temperature Intermetallics	
CC: Supercooled Liquids, Glass Transition, and Bulk Metallic Glasses	Republic B (Sheraton)	CC1: Overview, Processing & Application	CC2: Glass Formability	CC3: Posters	CC4: Structural Relaxation & Dynamics	CC5: Nature of Supercooled Liquid	CC6: Posters
DD: Solid-State Chemistry of Inorganic Materials IV	Back Bay C (Sheraton)	DD1: Metal-to-Insulator Transition I	DD2: Metal-to-Insulator Transition II		DD3: Porous Materials	DD4: Dielectric Materials	DD5, DD6: Posters
EE: Solid-State Ionics	Commonwealth (Sheraton)	EE1: Theory of Ionic Conduction / Inorganic Ionic Conductors	EE2: Inorganic Ion Conductors / Polymers	EE3: Posters	EE4: Interfaces/ Nanocrystalline Materials	EE5: Lithium Battery Cathode Materials I	EE6: Posters
FF: Materials for Fuel Cells and Fuel Processors	Liberty (Sheraton)	FF1: Micro Fuel Cells FF2: Proton Exchange Membranes	FF3: Solid Oxide Fuel Cells	FF4: Posters	FF5: Electrocatalysts I	FF6: Electrocatalysts II FF7: Bipolar Plates	
GG: Fiber-Reinforced Cementitious Composites (CANCELLED)							
HH: High-Temperature Thermal Spray Coatings—Thermal Barrier Coatings	Independence East (Sheraton)	HH1: Process Optimization & Control	HH2: Degradation & Failure Mechanisms, Life Prediction HH3: In-Room Posters		HH4: Structure/Property Relationships	HH5: Coating Optimization & Characterization	
II: Scientific Basis for Nuclear Waste Management XXVI	Back Bay A (Sheraton)	II1: Performance Assessment & Regulatory Studies	II2: Archaeology & Waste Management	II3: Posters	II4: Engineered Barriers I—Waste Package Materials	II5: Glass Waste Forms	
JJ: The Undergraduate Curriculum in Materials Science & Engineering (MSE)	Republic A (Sheraton)		JJ1		JJ2 JJ3: In-Room Posters	JJ4	
KK: Femto and Attosecond Phenomena in Materials SUNDAY TUTORIAL**	Berkeley (Sheraton)	KK1: Attosecond/Femtosecond Pulses—Generation & Applications KK2: In-Room Posters	KK3: Semiconductors KK4: Modeling		KK5: Micromachining KK6: Biomedical & Living Cells KK7: In-Room Posters	KK8: Laser-Material Interactions & Processing KK9: Nanomaterials	
LL: Rapid Prototyping Technologies III	Gardner (Sheraton)				LL1: Layer Manufacturing & Selective Laser Sintering	LL2: Solution & Spray Processing	
MM: Granular Material-Based Technologies	Hampton (Sheraton)	MM1: Electromagnetic Fields	MM2: Structural Issues		MM3: Flow Behavior	MM4: Dynamical Problems	
NN: Molecular Electronics	(Hynes)	NN1/C1: Arrays, Essays & Diagnostics I (Room 208)	NN2/C2: Arrays, Essays & Diagnostics II (Room 208)	NN3/J6: Posters	NN4/J7: Molecular Electronics NN5/J8: Nanotechnology and Molecular Machines II (Room 313)		

* POSTER SESSIONS:

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

Shaded Blocks: No Session

2002 MRS FALL MEETING SESSION LOCATOR

WEDNESDAY, DECEMBER 4			THURSDAY, DECEMBER 5			FRIDAY, DECEMBER 6	
a.m.	p.m.	eve.*	a.m.	p.m.	eve.*	a.m.	p.m.
AA9: Charged Membranes for Ion Transfer AA10: Gas Permeation & Separation	AA11: Pervaporation & Vapor Permeation AA12: Dense Membranes for Hydrogen Separation		AA13: Application to Membrane Reactors AA14: Application in Biotechnology & Biomedicine	AA15: Membranes in Industrial & Emerging Applications			
BB3: Titanium Aluminides I	BB4: Titanium Aluminides II & Other Intermetallics I	BB5: Posters	BB6: Other Intermetallics II & Functional Intermetallics	BB7: Hydrogen-Absorbing Intermetallics			
CC7: Structure & Modeling I	CC8: Structure & Modeling II		CC9: Mechanical Properties	CC10: Crystallization	CC11: Posters	CC12: Nanoparticles & Non-metallic Glasses	
DD7: Films & Catalytic Materials	DD8: CMR Materials		DD9: Nanomaterials	DD10: Thermoelectric Materials	DD11: Posters	DD12: Synthesis, Crystal Growth	DD13: Synthesis & Properties
EE7: Lithium Battery Cathode Materials II	EE8: Lithium Battery Anode Materials/Oxygen Permeation Membranes	EE9: Posters	EE10: Solid Oxide Fuel Cells & Devices	EE11: Chemical Sensors			
FF8: Fuel Processing I	FF9: Fuel Processing II						
I16: Ceramic Waste Forms & Radiation Effects	I17: Chemistry I—Speciation, Colloids & Organics I18: Engineered Barriers II—Backfill		I19: Spent Fuel I110: Engineered Barriers III—Cement	I111: Chemistry II—Sorption, Migration & Processing			
JJ5	JJ6: In-Room Posters						
LL3: Direct-Write of Microelectronics	LL4: Nanoscale Rapid Prototyping		LL5: Tissue Engineering & Biomedical Applications				
	NN6/G9: Nano & Molecular Electronics (Room 200)			NN7/P10: From Manganites to Organic Spintronic Materials II (Room 204)		NN8/G14: Processing & Properties of Nanowires (Room 200)	