

2001 MRS FALL MEETING SESSION LOCATOR

SYMPOSIUM	LOCATION	MONDAY, NOVEMBER 26			TUESDAY, NOVEMBER 27		
		a.m.	p.m.	eve.*	a.m.	p.m.	eve.*
A: Materials Issues in Novel Si-Based Technology	Room 202 (Hynes)	A1: Group IV Alloy and Strained Materials and Devices	A2: Advanced CMOS—SOI and Vertical Devices	A3: Posters	A4: MILC Materials Growth for CMOS and TFT A5: Nanocrystal Memories	A6: Growth of Nanostructured Materials A7: Nanoscale Devices	A8: Posters
B: Materials Science of Microelectromechanical Systems (MEMS) Devices IV **Sunday Tutorial	Room 309 (Hynes)	B1: Applications/Metrology I B2: Mechanical Properties I	B3: Microstructure and Processing B4: Applications	B5: Posters	B6: Processing Techniques I B7: Alternative Materials	B8: Microstructure and Processing II B9: Mechanical Properties II	
C: Ferroelectric Thin Films X **Sunday Tutorial	Room 210 (Hynes)	C1: Processing of Pb-Based Ferroelectrics C2: Processing of Bi-Based Ferroelectrics	C3: Ferroelectric Nonvolatile Memories—Technology, Fundamentals, and Integration	C4: Posters	C5: Integration and Electrodes	C6/O5: Epitaxial Ferroelectric Films	C7: Posters C8/O6: Posters
D: Polarization Dynamics in Ferroc Materials	Room 205 (Hynes)				D1: Switching Dynamics	D2: Computational Approaches	
E: Materials for High-Temperature Superconductor Technologies	Room 200 (Hynes)	E1: New Superconductors I - MgB2	E2: New Superconductors II - MgB2		E3: High-Temperature Superconductors I	E4: High-Temperature Superconductors II	E5: Posters
F: Spintronics	Room 207 (Hynes)	F1: Spins in Semiconductors	F2: Spin-Dependent Tunneling F3: In-Room Posters		F4: Half-Metallic Materials	F5: Current-Induced Magnetic Switching F6: In-Room Posters	
G: Thermoelectric Materials 2001—Research and Applications	Room 208 (Hynes)	G1: Guidance to Advanced TE Research	G2: Skutterudites I G3: New Materials, Approaches and Measurements I		G4: Clathrates I G5: Chalcogenides I	G6: Devices I G7: New Materials, Approaches and Measurements II	G8: Posters
H: Progress in Semiconductor Materials for Optoelectronic Applications	Room 312 (Hynes)	H1: Low-Concentration Nitride Alloys I	H2: Low-Concentration Nitride Alloys II & Photovoltaics		H3: Quantum Dots	H4: Infrared Detectors H5: Innovative Devices	H6: Posters
I: GaN and Related Alloys	Room 302 (Hynes)	I1: Molecular Beam Epitaxy and Growth Kinetics	I2: Point Defects and Doping	I3: Posters	I4: Light Emitters	I5: Nitride Alloys and Lateral Epitaxy	I6: Posters
J: Materials Engineering for Solid-State Lighting **Sunday Tutorial	Room 301 (Hynes)	J1: Inorganic Materials for Solid-State Lighting I	J2: Inorganic Materials for Solid-State Lighting II		J3: Organic Light-Emitting Diodes		
K: Microphotonics—Materials, Physics, and Applications	Room 201 (Hynes)	K1/AA1: Colloidal Self Assembly and Photonic Crystals	K2: 3D Photonic Structures		K3: Soft Condensed Matter Approaches to Photonic Crystals	K4: Photonic Crystal Channels and Fiber	K5: Posters
L: Thin Films—Stresses and Mechanical Properties IX	Room 304 (Hynes)	L1: Strain Relaxation and Strengthening Mechanisms	L2: Defects Formation	L3: Posters	L4: Mechanical Properties and Nanoscale Testing I	L5: Mechanical Properties and Nanoscale Testing II	L6: Posters
M: Surface Science and Thin-Film Growth in Electrolytes	Room 313 (Hynes)	M1: Overlayer Growth, Surface Morphology and Nanostructuring	M2: Epitaxial Growth, Growth Mechanisms		M3: Copper Metallization	M4: Morphology and Structure in Electrodeposited Thin Films	
N: Current Issues in Heteroepitaxial Growth—Stress Relaxation and Self Assembly	Room 306 (Hynes)	N1: Early Stages and Fundamental Processes of Heteroepitaxy	N2/AA3: Heteroepitaxy and Self Assembly	N3: Posters	N4: Stress Relaxation	N5: Stress and Islanding	
O: Complex Oxide Heteroepitaxy	Room 203 (Hynes)	O1: Crystalline Oxides on Semiconductors	O2: Oxide Device Issues	O3: Posters	O4: Artificial Superlattices	O5/C6: Epitaxial Ferroelectric Films ROOM 210 (Hynes)	O6/C8: Posters
P: Advances in Surface Engineering—Fundamentals and Applications	Room 311 (Hynes)	P1: Mechanical and Tribological Properties of Nanostructures	P2: Macro-, Micro-, and Nanotribology I		P3: Industrial Applications of Surface Engineering I	P4: Deposition, Characterization, and Properties of Films and Coatings	P5: Posters
Q: Rapid Prototyping Technologies—Tissue Engineering to Conformal Electronics	Room 308 (Hynes)						
R: Electrically Based Microstructural Characterization III	Room 206 (Hynes)	R1: Novel Methods and Materials	R2: Metals	R3: Posters	R4: Semiconductors	R5: Microelectronics	R6: Microwave and Optical Properties
S: Combinatorial and Artificial Intelligence Methods in Materials Science	Room 204 (Hynes)	S1: Combinatorial Approach to Metal Oxide Systems	S2: Combinatorial Approach to Magnetic Materials		S3: Composition Spread Techniques and Rapid Characterization	S4/DD5: Combinatorial Approach to Polymers Constitution B (Sheraton)	S5: Posters
T: Statistical Mechanical Modeling in Materials Research **Sunday Tutorial	Room 310 (Hynes)	T1: Morphological Evolution During Epitaxy	T2: Morphological Evolution During Solidification	T3: Complex Processes at Surfaces—Surf. Reaction, Semiconduct. & Colloidal Growth, Etc.	T4: Deformation-Induced Structures—Elastic and Plastic Behavior	T5: Deformation-Induced Structures—Stochastic Methods	T6: Deformation-Induced Structures—Cracks and Voids
U: Advanced Fibers, Plastics, Laminates, and Composites	Liberty (Sheraton)	U1: Natural Fibers and Properties	U2: Natural Fibers and Natural Plastics		U3: Natural Plastics and Composites	U4: Composites from Natural Fibers and/or Plastics	
V: Nanophase and Nanocomposite Materials IV	Back Bay C (Sheraton)	V1: Nanocomposite Materials	V2: Nanostructures I	V3: Posters	V4: Synthesis and Characterization I	V5: Synthesis and Characterization II	V6: Posters
W: Nanoparticulate Materials	Back Bay B (Sheraton)	W1: Wet Processing W2: Novel Nanoparticle Characterization	W3: Electronic and Optical Applications		W4/AA4: Self Assembly	W5: Novel Synthesis and Characterization	W6: Posters
X: Frontiers of Materials Research	Grand Ballroom (Sheraton)		X1/AA2			X2	
Y: Nanopatterning—From Ultralarge-Scale Integration to Biotechnology **Sunday Tutorial	Back Bay D (Sheraton)	Y1: Advanced Materials and Processes for Nanolithography I	Y2: Advanced Materials and Processes for Nanolithography II		Y3: Next-Generation and Emerging Lithographies	Y4: Nanofabrication with Charged Particle Beams	
Z: Making Functional Materials with Nanotubes	Back Bay A (Sheraton)	Z1: Progress in Synthesis and Processing I	Z2: Progress in Synthesis and Processing II	Z3: Posters	Z4: Nanotube-Polymer Composites	Z5: Nanotubes for Field Emission	Z6: Posters
AA: Self-Assembly Processes in Materials		AA1/K1: Colloidal Self Assembly and Photonic Crystals ROOM 201 (Hynes)	AA2/X1 GRAND BALLROOM (Sheraton) AA3/N2: Heteroepitaxy & Self Assembly ROOM 306 (Hynes)		AA4/W4: Self Assembly BACK BAY B (Sheraton)	AA5/HH5: Bio- and Self-Assembled Organic-Inorganic Hybrids INDEPENDENCE WEST (Sheraton)	
BB: Organic Optoelectronic Materials, Processing, and Devices **Sunday Tutorial	Constitution A (Sheraton)	BB1: Electronic Structure and Optical Properties of Organic Solids	BB2: Metal/Organic Interfaces—Electronic Structure and Charge Injection	BB3: Posters	BB4: Photonic/Nonlinear Optical Materials and Devices	BB5: Design and Synthesis of Electroluminescent Materials	

* All Evening Poster Sessions Located in Exhibition Hall D (Hynes)
** Check Tutorial Matrix

Shaded Blocks: No Session

2001 MRS FALL MEETING SESSION LOCATOR

SYMPOSIUM	LOCATION	MONDAY, NOVEMBER 27			TUESDAY, NOVEMBER 28		
		a.m.	p.m.	eve.*	a.m.	p.m.	eve.*
CC: Advances in Liquid Crystalline Materials and Technologies	Commonwealth (Sheraton)	CC1: Smectic and Chiral Liquid Crystals	CC2: Liquid Crystal Gels		CC3: Photopolymerization and Liquid Crystals	CC4: Novel Application of Liquid Crystals	CC5: Posters
DD: Polymer Interfaces and Thin Films	Constitution B (Sheraton)	DD1: Theory, Simulations and Dynamics I	DD2: Block Copolymer Films I	DD3: Theory, Simulations, & Dynamics I I	DD4: Theory, Simulations, and Dynamics III	DD5/S4: Combinatorial Approach to Polymers	DD6: Posters
EE: Electroactive Polymers and Their Applications as Actuators, Sensors, and Artificial Muscles	Fairfax (Sheraton)	EE1: Novel Electroactive Polymer Actuator Materials	EE2: Electroactive Polymer Device Applications (Including Thin Films)	EE3: Posters	EE4: Novel Electroactive Polymers II	EE5: Novel Electroactive Polymers III	
FF: Physical Characterization of Biological Materials and Systems	Hampton (Sheraton)				FF1: SPM and Surface Characterization	FF2: Lipids, Proteins and DNA	
GG: Polymeric Biomaterials for Tissue Engineering	Gardner (Sheraton)	GG1: Patterning Biomaterials	GG2: Degradation of Biomaterials GG3: In-Room Posters HAMPTON (Sheraton)		GG4: Biomaterial Processing and Novel Chemistries	GG5: In-situ Forming Biomaterials and Biomaterials with Controlled Structure	
HH: Bio-Inspired Materials—Moving Towards Complexity	Independence West (Sheraton)	HH1: Biomineralization	HH2: Bio-Inspired Synthesis and Properties	HH3: Posters	HH4: Biopolymers	HH5/AAS: Bio- and Self-Assembled Organic-Inorganic Hybrids	
II: Materials Issues in Art and Archaeology VI	Independence East (Sheraton)	II 1: Preservation Science and Conservation I	II 2: Preservation Science and Conservation II II 3: In-Room Posters		II 4: Archaeological Science and Archaeometry I	II 5: Archaeological Science and Archaeometry II	
JJ: Scientific Basis for Nuclear Waste Management XXV	Republic B (Sheraton)	JJ1: Container Materials and Engineered Barriers	JJ2: Ceramic Structure JJ3: Radiation Effects		JJ4: Performance Assessment (HLW)	JJ5: Contaminant Transport I JJ6: Ceramics Corrosion	
KK: Design, Characteristics, and Properties of Cementitious Materials	Republic A (Sheraton)	KK1: Microstructure, Hydration and Characterization I	KK2: Microstructure, Hydration and Characterization II—Modeling and Transport		KK3: Characterization Techniques	KK4: Durability of Cementitious Systems	KK5: Posters

* All Evening Poster Sessions Located in Exhibition Hall D (Hynes)
** Check Tutorial Matrix

Shaded Blocks: No Session

2001 MRS FALL MEETING SESSION LOCATOR

WEDNESDAY, NOVEMBER 28			THURSDAY, NOVEMBER 29			FRIDAY, NOVEMBER 30	
a.m.	p.m.	eve.*	a.m.	p.m.	eve.*	a.m.	p.m.
A9: Advanced CMOS Gate Stacks and Metallization		A10: Posters					
B10/P6: Surface Engineering Issues In MEMS Structures and Devices ROOM 311 (Hynes)							
C9: Domains and Nanostructures	C10: Piezoelectrics and Pyroelectrics		C11: Ferroelectric Gates C12: Thin Films for RF Applications	C13: High-Permittivity Materials			
D3: Novel Characterization Techniques	D4: Domain-Related Phenomena		D5: Common Themes In Dynamics	D6: Dynamics in Dielectrics, Relaxors and Organic Ferroics	D7: Posters		
E6: YBCO Coated Conductors I	E7: YBCO Coated Conductors II	E8: Posters	E9: YBCO Coated Conductors III	E10: YBCO Coated Conductors IV			
F7: New Technologies, New Effects, Silicon Integration	F8: Advanced Technologies for Magnetic Characterization and Imaging F9: In-Room Posters		F10: Structures with Superconductors and Nanostructured Systems	F11: Metallic Structures			
G9: Skutterudites II G10: Nanowires	G11: Devices II G12: Oxides		G13: Chalcogenides II G14: Clathrates II				
H7: Lasers and Materials	H8: Antimony-Based Devices	H9: Posters	H10: Radiation Detectors and Effects	H11: Growth, Materials, and Doping			
I7: Quantum Wells	I8: Transport and Optical Properties		I9: Vapor Phase Epitaxy	I10: Extended Defects	I11: Posters	I12: Electronic Devices	I13: Processing
K6: 2D Fabricated Photonic Crystals	K7/AA7: Colloids and Photonic Crystals		K8: Photonic Structures and Devices I	K9: Photonic Structures and Devices II			
L7: Adhesion and Fracture I	L8: Thin Film Applications in MEMS	L9: Adhesion & Fracture II	L10: Computational Modeling and Experiments I	L11: Computational Modeling and Experiments II L12: Film Deposition, Microstructure, Evolution and Intrinsic Stress I		L13: Film Deposition, Microstructure, Evolution and Intrinsic Stress II	
M5/AA6: Self Assembly	M6: Stress Evolution—Metal Oxides	M7: Posters					
N6: Modifying and Controlling Growth	N7: Quantum Dots--- Applications and Properties		N8: Relaxation, Morphology and Composition Modulations	N9: Heteroepitaxy in Metals and Oxides			
O7: High-Temperature Superconductors	O8: Magnetic Oxides						
P6/B10: Surface Engineering Issues In MEMS Structures and Devices	P7: Industrial Applications of Surface Engineering II	P8: Posters	P9: Macro-, Micro-, and Nanotribology II				
Q1: Direct Writing Electronic Components	Q2: Rapid Prototyping Sensors and Structures		Q3: Energy Storage and Modeling	Q4: Liquid and Dispensing Deposition		Q5: Tissue Engineering	
R7: Polymers, Liquid Crystals, Batteries, and Gas Sensors	R8: Stabilized Zirconia		R9: Composites	R10: Varistors and Piezoelectric Materials			
S6: Combinatorial Approach to Catalysts and Other Materials	S7: Combi/Al Session: Computational Studies		S8: AI Methods In Materials Science				
T7: Liquids, Glasses, and Solid-Liquid Interfaces	T8: Interfaces in Polycrystals and Alloys	T9: Disordered Materials	T10: Newly Developed Tools				
U5: Glass, Carbon and Other Reinforcing Fibers	U6: Polymer and Resin Matrix Materials		U7: Polymer and Ceramic Matrix Composites	U8: Ceramic and Metal Matrix Composites	U9: Posters	U10: Carbon Nanotubes, Carbon Fibers, and Composites	
V7: Applications and Properties I	V8: Applications and Properties II	V9: Posters V10/AA8: Posters	V11: Modeling and Theory	V12: Nanostructures II	V13: Posters		
W7: Thin-Film-Based Nanostructures	W8: Novel Applications	W9: Posters	W10: Novel Structures	W11: Medical Applications			
	X3			X4: Medal Award Talk Presentations			
Y5: Nanostructures and Nanofabrication for Biological Applications	Y6: Functionalization and Ordering of 1D and 2D Structures	Y7: Posters	Y8/AA9: Nanopatterning of Assembled Systems	Y9: Fabrication of Ordered Magnetic Nanostructures			
Z7: Characterization of Nanotube Systems (Limits and Challenges)	Z8: Modeling and Simulations of Nanotube Systems	Z9: Posters	Z10: Energy Storage, Electrode Applications and Chemical Modification of Nanotubes	Z11: Nanotube-Based Devices			
AA6/M5: Self Assembly ROOM 313 (Hynes)	AA7/K7: Colloids and Photonic Crystals ROOM 201 (Hynes)	AA8/V10: Posters	AA9/Y8: Nanopatterning of Assembled Systems BACK BAY D (Sheraton)	AA10/DD11: Self Assembly by Polymeric Films CONSTITUTION B (Sheraton)		AA11/BB11: Novel Patterning Schemes CONSTITUTION A (Sheraton)	
BB6: Applications in Displays	BB7: Electrochromic Polymers/Sensors		BB8: Organic Transistors	BB9: Photovoltaics, Photodetectors/Transport in Bulk Organic Materials	BB10: Posters	BB11/AA11: Novel Patterning Schemes	

2001 MRS FALL MEETING SESSION LOCATOR

WEDNESDAY, NOVEMBER 28			THURSDAY, NOVEMBER 29			FRIDAY, NOVEMBER 30	
a.m.	p.m.	eve.*	a.m.	p.m.	eve.*	a.m.	p.m.
CC6: Photopolymerization and Liquid Crystals	CC7: Emerging Concepts in Liquid Crystals		CC8: Rheology/Theory	CC9: Main Chain/Lyotropic Systems			
DD7: Adhesion, Mechanical Properties I	DD8: Block Copolymer Films II	DD9: Posters	DD10: Adhesion, Mechanical Properties II	DD11/AA10: Self Assembly by Polymeric Films	DD12: Posters	DD13: Lithographic, Electronic Properties	DD14: Nanoparticulate-Filled Films
FF3: Mechanical Properties and Mineralized Tissues	FF4: Mechanical and Rheological Properties	FF5: Posters	FF6: Electron Microscopy and Novel Techniques	FF7: Laser and Optical Characterization			
HH6: Surfaces and Interfaces							
II 6: Weathering, Dating, Technology and Authentication	II 7: Archeomaterials, Technology and Society I II 8: In-Room Posters		II 9: Archeomaterials, Technology and Society II	II 10: Historic Technologies and Modern Craft		II 11: Ancient Technologies Workshop & Demonstration M.I.T. (off site)	II11: (cont'd)
JJ7: Performance Assessment (LLW) JJ8: Natural Analogs	JJ9/KK8: Cements In Radioactive Waste Immobilization JJ10: Contaminant Transport II	JJ11: Posters	JJ12: Waste Processing JJ13: Glass Structure	JJ14: Spent Fuel and Transuranic Chemistry JJ15: Glass and Alternative Waste Forms			
KK6: Alternative Binders and Utilization of Waste Materials KK7: Processing and Properties	KK8/JJ9: Cements in Radioactive Waste Immobilization REPUBLIC B (Sheraton) KK9: Cements in Waste Immobilization						