AGENDA 2009 Joint CNMS-SHaRE User Meeting

Wednesday, September 16 – Thursday, September 17 Oak Ridge National Laboratory

Date			Location
Wednesday, Septe 8:00 am	ember 16 MORNING Continental breakfast		SNS Lobby
8:30 am	CNMS & SHaRE Welcome Opening Remarks	Dr. Mike Simonson, CNMS Interim Director Dr. Karren More, SHaRE Director Dr. Michelle Buchanan, Associate Laboratory Director for Physical Sciences	A-103, Auditorium
	Oral Session I: Advanced Micr Chair: Karren More, S	oscopy Characterization	
8:45 am Plenary Lecture	Materials Science, University	artment of Chemical Engineering and y of California, Davis <i>vith High Spatial and Temporal Resolution"</i>	
9:30 Invited User	Kelly Perry: Department of Chemistry and Chemical Biology, Rensselaer Polytechnic Institute <i>"The Effects of Process and Polymer Chemistry on the Structure and Performance of Phosphoric Acid-Doped Proton Exchange Membranes"</i>		
10:00 Plenary Lecture	Prof. Zhengwei Pan: , Department of Physics and Astronomy, University of Georgia <i>"Imaging and Manipulating NanostructuresThe Art of Nanoscience"</i>		
10:45	SHaRE User Group Busine	ess Meeting	
11:30 – 12:30p	Tutorial I: "XPS and AES Surface Characterization Tools: <i>We've</i> always been Nano?" by Harry Meyer		C-156
11:30	Lunch provided		
Wednesday, Septe	ember 16 AFTERNOON		
12:30p – 1:30	Tutorial II: "Electron Energy	Loss Spectroscopy" by Miaofang Chi	C-156
c	Dral Session II: Origins of Funct Chair: Mike Simonson, CNMS		A-103, Auditorium
1:45 Plenary Lecture	University of Pennsylvania	ent of Materials Science & Engineering, the Surfaces of Complex Oxides"	
2:30 Invited User	Institute of Technology	ent of Mechanical Engineering, Massachusetts nd Storage: Science, Materials and	
3:00 Invited User	University	ent of Chemical Engineering, Louisiana State Dxygenates: Mechanistic Studies at CNMS"	
3:30	Afternoon break		

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4:00	Dref Frenky Sey Materials Science and Engineering University of Elevide			
4:00 Plenary Lecture	Prof. Franky So: Materials Science and Engineering, University of Florida <i>"Nanoscale Effects in Organic Optoelectronic Devices"</i>			
4:45 Invited User	Prof. Hanno Weitering: Department of Physics and Astronomy, University of Tennessee			
	"Electronic Instabilities, Fluctuations and Charge Transport in Quantum Chains"			
5:15 – 6:30	Poster Session and Reception	SNS Lobby		
6:30 - 7:30	RidgeDance Nanoscience Film Festival	A-103, Auditorium		
Thursday, September 17 MORNING				
8:00 am	Continental breakfast	SNS Lobby		
C	Dral Session III: Functional Polymer Architectures Chair: Jimmy Mays, Theme Leader	A-103, Auditorium		
8:30 Plenary Lecture	Prof. Thomas Russell: Polymer Science and Engineering Department, University of Massachusetts Amherst; Director, Materials Research Science and Engineering Center on Polymers <i>"Long-Range Lateral Order of Block Copolymer Thin Films"</i>			
9:15 Invited User	Prof. Akos Vertes: Department of Chemistry, George Washington University "Nanophotonic Ion Production from Biomolecules"			
9:45 Invited User	Prof. Kane Jennings: Department of Chemical & Biomolecular Engineering, Vanderbilt University <i>"Polyhomologation to Prepare 'Thick' Self-Assembled Monolayers and</i> <i>Superhydrophobic Polymer Films"</i>			
10:15	Morning break			
10:45 Plenary Lecture	Prof. Igor Luzinov: School of Materials Science and Engineering, Clemson University <i>"Functional Surfaces Via Polymer Grafting"</i>			
11:30 Invited User	Prof. Mark Dadmun: Department of Chemistry, University of Tennessee "The Dynamics of Multicomponent Polymer Systems"			
12:00 pm C	CNMS User Group Business Meeting Hai-Ping Cheng, Chair, CNMS User Executive Committee	A-103, Auditorium		
12:00	Lunch provided			
Thursday, September 17 AFTERNOON				
C	Dral Session IV: Understanding Emergent Behavior Chair: Peter Cummings, CNMS Principal Scientist	A-103, Auditorium		
1:30 Invited User	Prof. Mike McCollum: Department of Electrical and Computer Engineering, Virginia Commonwealth University <i>"Understanding the Functional Role of Stochastic Fluctuation in Nanoscale</i> <i>Systems"</i>			

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2:00 Plenary Lecture	Prof. James Spivey: Department of Chemical Engineering, Louisiana State University <i>"LSU's Center for Atomic-level Catalyst Design"</i>
2:45	Afternoon break
3:15 Plenary Lecture	Dr. John M. Tranquada: Condensed Matter Physics & Materials Science Department, Brookhaven National Laboratory "Self-Organized Electronic Nanostructures and Emergent Superconductivity in Cuprates"
4:00 Plenary Lecture	Dr. David Wesolowski: Chemical Sciences Division, Oak Ridge National Laboratory <i>"Fluid Interface Reactions, Structures and Transport"</i>