Agenda

INAUGURAL USER MEETING
Center for Nanophase Materials Sciences
Oak Ridge National Laboratory
May 23-25, 2005

Pollard Technology Conference Center
Oak Ridge, Tennessee

Date			Location
Monday, May 23 MORNING			
10:30 am	Registration opens		Pollard Lobby
11:30-1 pm	Buffet Lunch available for all registered participants		Pollard Lobby
Monday, May 23 AFTERNOON			
1 pm	ORNL Welcome	Jim Roberto, ORNL Deputy Director, Science and Technology	Auditorium
	CNMS Welcome	Linda Horton, CNMS Director	
	Science at the CNMS	Doug Lowndes, CNMS Scientific Director	
	Invited plenary talks		Auditorium
1:30 pm	**Dr. Stan Williams**, Director, Quantum Research Group, HP Labs *"Nanophase Meta-materials: The Key to 21st Century Informonics"*		
2:10 pm	**Prof. Dr. Matthias Scheffler**, Director, Theory Dept., Fritz-Haber Institute, Berlin *"Get Real! The Importance of Complexity for Understanding the Function of Nano-Scale Structures at Surfaces"*		
2:50 pm	Afternoon break		
	Invited plenary talks		Auditorium
3:10 pm	**Prof. Nitash Balsara**, Dept. of Chemical Engineering, U. of California-Berkeley *"Opportunities and Challenges in Polymer Nanoscience"*		
3:50 pm	**Dr. Thom Mason**, Director, Spallation Neutron Source, ORNL *"Neutrons and Nanoscience: Emerging Opportunities at ORNL"*		
4:30 pm	CNMS tour (optional, bus transportation, includes walking the floors)		
7-9 pm	Buffet Dinner and CNMS poster EXPO CNMS scientific themes and capabilities; staff and postdoctoral scientific research; related ORNL capabilities; affiliated ORNL User Facilities		Pollard Complex

Users sign up to schedule direct few-on-one discussions of user research proposal ideas with CNMS staff; discussions to be held Tuesday afternoon and Wednesday morning.

Tuesday, May 24 MORNING

7:30 am	Breakfast "Continental plus" catered buffet	Pollard Lobby
	Invited user talks	Auditorium
8:30 am	**Prof. Hai-Ping Cheng**, Physics, University of Florida *"Molecular and Nano-Wires: Properties and Control"*	
8:50 am	**Prof. S. Michael Kilbey II**, Chemical Engineering, Clemson University *"Synthesis and Structure of Surface-Tethered Polymers for Advanced Material Coatings"*	
9:10 am	**Dr. Anatoli Melechko**, Materials Science & Engineering, U. of Tennessee *"Controlled Synthesis of Carbon Nanofibers for Designing Interfaces to Biosystems"*	
9:30 am	**Dr. Cheol Park**, National Institute of Aerospace, NASA Langley Research Center *"Mechanisms of Nanoscale Actuation in Electroactive Nanotube-Polymer Composites"*	
9:50 am	**Prof. Apparao M. Rao**, Physics, Clemson University *"Isolated Doped Single Walled Carbon Nanotubes for Nanoelectronic Devices"*	
10:10 am	Morning break	
10:30 am	**Dr. Greg Boebinger**, Director, National High Magnetic Field Lab. *Report on the May 10-12 Tallahassee workshop on "Probing Matter at High Magnetic Fields with X-rays and Neutrons"*	Auditorium
10:50 am	CNMS Scientific Themes and FY2006 Capabilities Macromolecular Complex Systems: Phil Britt Functional Nanomaterials: Dave Geohegan Catalysis and Nano-Building Blocks: Mike Simonson Magnetism and Quantum Transport: Jian Shen Nanofabrication Research (NRL): Mike Simpson Theory, Modeling, Simulation (NTI): Peter Cummings	Auditorium
12:10 pm	Buffet Lunch (selection of box lunches)	Pollard Lobby
12.25 pm	**Bring your box lunch, provided in the lobby:** Dr. Ian S. Anderson (Director, Experimental Facilities Div., SNS) will lead an open discussion on "Synergies of Co-Location: Neutron Scattering Opportunities Using CNMS Nanoscience Capabilities"	Auditorium

Tuesday, May 24 AFTERNOON

1:10 pm	Unique and State-of-the-Art Instrumentation for FY2006 Electron Microscopy and Spectroscopy: David Joy Scanning Probe Microscopy: Art Baddorf	Auditorium
1:40 pm	**Dr. Tony Haynes**, CNMS User Coordinator The CNMS User Program + Q&A	Auditorium

Tuesday, May 24 AFTERNOON - continued

2:30 pm	Breakouts: All 7 Scientific Themes Introductions, orientation, and user-staff discussions	Pollard Complex
3:30 pm	Afternoon break (or whenever convenient for Breakouts)	
3:45 pm	Continue Breakouts: All 7 Scientific Themes Introductions, orientation, and user-staff discussions	Pollard Complex
5:30 pm	Adjourn	
6:00 pm	Social time and pre-banquet refreshments	Salons at DoubleTree Hotel
6:45 pm	Leave for banquet at American Museum of Science and Energy (AMSE) Bus transportation or (weather permitting) walk	
7:00 pm	Banquet	AMSE

Wednesday, May 25 MORNING

7:30 am	Breakfast "Continental plus" catered buffet	Pollard Lobby
8:30 am	Breakouts: All 7 Scientific Themes Continue few-on-one meetings of users and staff	Pollard Complex
9:00 am	Second CNMS tour (optional, bus and walking)	
10:15 am	Morning break	
10:30 am	Tours of other ORNL facilities (optional, bus and walking) Breakouts continue: few-on-one meetings of users with staff	
Noon	Adjourn with box lunches provided	