The neutron guide hall at the NIST Center for Neutron Research (NCNR).



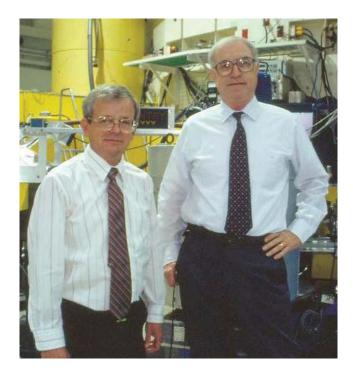
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2005

NEUTRON RESEARCH AT NIST

A Symposium Honoring Mike Rowe and Jack Rush



QUALITY SUITES SHADY GROVE HOTEL ROCKVILLE, MARYLAND SEPTEMBER 9, 2005

This event is sponsored by the NCNR.

## Program

8:00 a.m.	Registration	1:
8:30 a.m.	Words of welcome (Pat Gallagher, chair)	
8:30 a.m.	Pat Gallagher (NIST Center for Neutron Research)	2:
8:40 a.m.	Lyle Schwartz (Air Force Office of Scientific Research)	2:
8:50 a.m.	Pat Dehmer (US Department of Energy)	
9:00 a.m.	Session 1 (John Axe, chair)	2:
9:00 a.m.	Robert Birgeneau (University of California, Berkeley)	
	Superconductivity and magnetism: friends or foes?	
9:35 a.m.	Sunil Sinha (University of California, San Diego)	3:
	Combined x-ray and neutron scattering studies of	
	magnetic nanostructures	
10:10 a.m.	Morning break	
10:40 a.m.	Session 2 (Jim Rhyne, chair)	3:
10.40 a.m.		4:
10:40 a.m.	Karl Michel (University of Antwerp) Statics and	
	dynamics of $C_{60}$ in carbon nanotubes	4:
11:15 a.m.	Dieter Richter (Forschungszentrum Jülich) Neutrons in	
	soft matter science	4:
11:50 a.m.	Andreas Magerl (University of Erlangen-Nürnberg)	
	Hydrogen in metals as a postdoc and beyond	5:
12:25 p.m.	Lunch	-
•		6:
		-

1:45 p.m.	Presentation of TRTR Award (Tawfik Raby and Sy Weiss, cochairs of TRTR)
2:00 p.m.	Session 3 (Julia Weertman, chair)
2:00 p.m.	Mike Klein (University of Pennsylvania) Computer simulation studies of self-assembly: from materials to chemical biology
2:35 p.m.	Nitash Balsara (University of California, Berkeley) Formation of the critical nucleus studied by neutron scattering and Monte Carlo simulations
3:10 p.m.	Steve White (University of California, Irvine) Determination of dynamic 3-d structures of peptides in membranes using diffraction and molecular dynamics simulations
3:45 p.m.	Afternoon break
4:15 p.m.	Session 4 (Jack Carpenter, chair)
4:15 p.m.	David Price (CRMHT, Orléans) Structure and dynamics of levitated liquids
4:50 p.m.	Sam Werner (NIST Center for Neutron Research) Neutron interferometry: from Missouri to NIST
5:25 p.m.	End of Symposium
6:30 p.m.	Cash bar