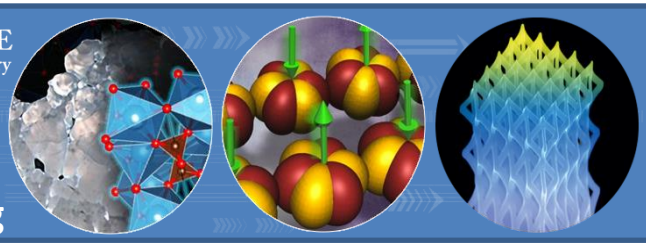
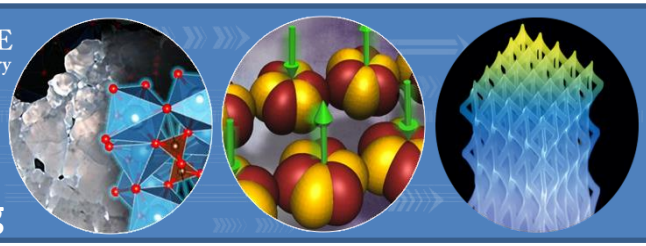
OAK RIDGE National Laboratory

2017 Joint Nanoscience and Neutron Scattering User Meeting



AGENDA

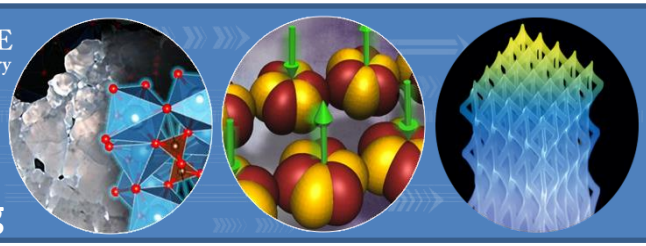
Monday, July 31: Workshop/Tutorial Day 1 *Lunch on your own*	
8:30 a.m.–5:30 p.m.	**Synthesis and Collective Phenomena in 2D Layered Materials** Building 8600, Iran Thomas Auditorium
8:30 a.m.–5:30 p.m.	**Active Matter at the Center for Nanophase Materials Sciences** Building 8600, Room C-152
9:00 a.m.–3:00 p.m.	**Sample Environment and You: How to prepare for your experiment** Building 8600, Room C-250 (morning) and C-156 (afternoon)
9:00 a.m. –12:30 p.m.	**High Performance Computing Resources for Neutron and Nano Users** Building 8600, Room C-156
9:00 a.m.–5:30 p.m.	**Single Crystal Tutorial: Slicing single crystal inelastic and diffuse scattering with w/Mantid** Building 8630/Shull Wollan Center, Room A-202
9:00 a.m.–5:30 p.m.	**SaSView tutorial** Building 8600, Room AG-07
2:00–5:00 p.m.	**Live Lab Demo and Tutorial on Atom Probe Tomography and Scanning Transmission Electron Microscopy** Building 4515, Room 114
5:30–7:00 p.m.	**Welcome Reception at Shull Wollan Center** Building 8630/Shull Wollan Center



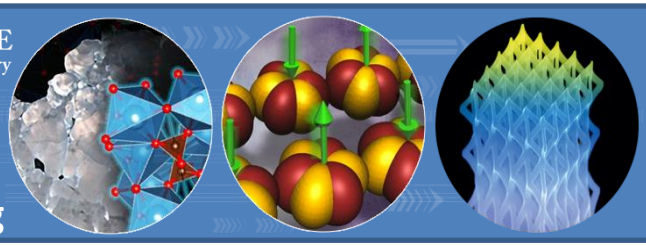
2017 Joint Nanoscience and Neutron Scattering User Meeting

AGENDA

Tuesday, August 1: Main Meeting Day 1 (Building 8600)						
8:00 a.m.	**Registration Opens** Confirm Tour of SNS or CNMS (until 10:00AM)					
9:00 a.m.–12:00 p.m.	**Welcome and Plenary Session A (Iran Thomas Auditorium)**					
9:00 a.m.	ORNL Welcome: Michelle Buchanan					
9:10 a.m.	Neutron Sciences Overview: Alan Tennant					
9:45 a.m.	Karen Winey: Neutron Scattering in Precise Associating Polymers and Polymer Nanocomposites					
10:45 a.m.	**Break**					
11:00 a.m.	Martha Greenblatt: Designing Polar and Magnetic Oxides in the $A_2BB'O_6$ System					
12:00–2:00 p.m.	**Lunch on your own and Poster Viewing**					
12:00–12:45 p.m.	SHUG Town Hall Meeting (open to all) **(Iran Thomas Auditorium)**					
1:00–2:00 p.m.	Tour of SNS or CNMS facilities on Chestnut Ridge					
2:00–5:30 p.m. Parallel Oral Sessions	**Joint Session: Hard Materials**	**Focus on Nanoscience**		**Focus on Neutron Scattering**		
					Chemical and Engineering Materials	**Materials for Sustainability and the Environment**
2:00 p.m.	Jacob Jones	Natalie Stingelin		2:00	Changwoo Do	Hans-Conrad zur Loye
2:35 p.m.	Huifang Xu	Akinola Oyedele		2:35	Gian Song	Bernadette Cladek
2:55 p.m.	Shuai He	Petro Maksymovych		2:55	Paul Tanaji	Zhenye Kang
3:15 p.m.	**Break**			3:15	**Break**	Shiba Prasad Adhikari
3:35 p.m.	**Break**			3:35	**Break**	
3:50 p.m.	Kate Page	Evgheni Strelcov		3:50	Fankang Li	Andrew Stack
4:10 p.m.	Zachary Hood	Tengfei Yang		4:25	Patrick Geoghegan	Ngoc Nguyen
4:30 p.m.	J. Balachandran	Eva Mutunga		4:45	Robert Minneci	Mingda Li
4:50 p.m.	Edwin Fohtung	Michael Filler		5:05	**Break**	Wei Lai
	Iran Thomas Auditorium	**C-156**			**C-152**	**C-250**
5:30–7:00 p.m.	**Poster session–** light refreshments provided **(Atrium)**					



Wednesday, August 2: Main Meeting Day 2 (Building 8600)					
8:00 a.m.	**Registration Opens** Sign-up for Tour of SNS and confirm CNMS Advanced Microscopy facility (until 10:00AM)				
9:00 a.m.–12:00 p.m.	**Plenary Session B (Iran Thomas Auditorium)**				
9:00 a.m.	CNMS Overview: Hans Christen				
9:35 a.m.	Sanat Kumar: Polymer-Grafted Nanoparticle Membranes with Controllable Free-Volume				
10:35 a.m.	**Break**				
11:00 a.m.	Andrew Minor: Probing local strain and orientation during in situ TEM deformation with scanning nanobeam electron diffraction				
12:00–2:00 p.m.	**Lunch on your own and Poster Viewing**				
12:00–12:30 p.m.	CNMS Town Hall Meeting with User Executive Committee (open to all) **(Iran Thomas Auditorium)**				
12:00–1:00 p.m.	Panel Discussions on Sample Environments and Data Visualization for Neutron Scattering **(Room C-156)**				
1:00–2:00 p.m.	Tour of SNS or CNMS Advanced Microscopy facility (board bus outside)				
2:00–5:30 p.m. Parallel Oral Sessions	**Joint Session: Soft and Bio Materials**	**Focus on Nanoscience**		**Focus on Neutron Scattering**	
				Data analysis, visualization, and modeling	**Quantum Phenomena**
2:00 p.m.	Dvora Perahia	Tim Long	2:00	Joseph Curtis	Alannah Hallas
2:35 p.m.	Joseph Najem	Matthew Boebinger	2:35	Debsindhu Bhowmik	Chetan Dhital
2:55 p.m.	Susana Teixeira	Joshua Agar	2:55	Yaohua Liu	Sunil Karna
3:15 p.m.	Jason Dugger	Sabine Neumayer	3:15	Mathieu Doucet	Luwei Ge
3:35 p.m.	**Break**		3:35	**Break**	
3:50 p.m.	Yang Zhang	Fernand Torres-Davila	3:50	Rick Archibald	Dipanshu Bansal
4:10 p.m.	V. Korolovych	Zhenhua Shi	4:25	Edmund Perfect	Alberto Nocera
4:30 p.m.	Alison Pawlicki	Zhiqi Hu	4:45	Shelby Stavretis	Adane Gebretsadik
4:50 p.m.	Diana Mitrea	Lincoln Lauhon	5:05	Marshall McDonnell	Qiang Zhang
	Iran Thomas Auditorium	**C-156**		**C-152**	**C-250**



Thursday, August 3: Workshop/Tutorial Day 2 *Lunch on your own*	
8:30 a.m.–4:00 p.m.	**Polarized Neutron Capabilities at ORNL** Building 8600, Iran Thomas Auditorium
9:00 a.m.–12:00 p.m.	**Live Lab Demo and Tutorial on Atom Probe Tomography and Scanning Transmission Electron Microscopy** Building 4515, Room 114
9:00 a.m.–12:00 p.m.	**Upcoming New Tools for Structure and Dynamics** Building 8600, C-156
9:00 a.m.–5:30 p.m.	**Materials Informatics – Accelerating atomistic design and discovery of new materials and concepts via big-data analytics** Building 8600, C-152
9:00 a.m.–5:30 p.m. (August 3) 9:00 a.m. 12:00 p.m. (August 4)	**Liquids Reflectometry and Large Scale Structures** Building 8600, C-250 *NOTE: Ends on Friday, August 4*
9:00 a. m.–5:30 p.m.	**Single Crystal Tutorial: Slicing single crystal inelastic and diffuse scattering with w/Mantid** Building 8600, AG-07
9:00 a.m.–5:30 p.m.	**SaSView tutorial** Building 8600, Room C354
2:00–4:00 p.m.	**Live Lab Demo and Tutorial on Atom Probe Tomography and Scanning Transmission Electron Microscopy** Building 5200 (Visitor Center), Room 114