

	<b>Monday, August 12</b>	Workshops/Tutorials available
4-6p	User Meeting Poster Session and Student Poster Competition - Reception, SNS Lobby	
	<b>Tuesday, August 13</b>	
8-9a	User Group Town Hall Breakfast Meeting - SNS Atrium <i>opportunity for questions/discussions with User Executive Committee members</i>	
9:00	WELCOME AND ANNOUNCEMENTS - SNS Auditorium Sean Hearne, CNMS Director	
9:30	Plenary Lecture I, SNS Auditorium Mitra Taheri, Drexel University <i>Intelligent, Multiscale Microscopy: Predictive Understanding of Materials in Extreme Environments</i>	
10:20	Break	
TRACK A: Room C-156 <b>Energy Storage and Conversion</b> Chairs:		TRACK B: SNS Auditorium <b>Quantum Materials</b> Chairs:
10:30	<b>INVITED: Hanna Cho</b> (Ohio State U.) <i>Recent Advancement of Atomic Force Microscopy and Its Applications to Bio/Energy Material Research</i>	10:30 <b>Liangbo Liang</b> (Oak Ridge National Laboratory) <i>PdSe<sub>2</sub>: A Pentagonal Layered Material Bridging the Gap between 2D and 3D Materials</i>
11:10	<b>Yixuan Dou</b> (U. Tennessee) <i>Exploring Photoinduced Dielectric Polarization in Organic-Inorganic Halide Perovskites</i>	10:55 <b>Hanna Terletska</b> (Middle Tennessee State U.) <i>Numerical Studies of Electron Localization in Quantum Materials</i>
11:35	<b>Jisue Moon</b> (Oak Ridge National Laboratory) <i>Understanding Structure Evolutions over Ru-Loaded 3D Electride during Ammonia Synthesis by in situ Neutron Diffraction</i>	11:20 <b>INVITED: Pinshane Huang</b> (U. Illinois, Urbana Champaign) <i>Characterizing 2D Materials with Picometer Precision with Aberration-Corrected Scanning Transmission Electron Microscopy</i>
12:00	Lunch on your own; Posters available for viewing	
12:15	<b>Lunch and Learn with Jacqui Weeks:</b> Special lecture for Postdocs and Students, C-156 <i>How to Win Friends, Influence People, and Write Better User Proposals (Space limited, pre-registration required)</i>	
TRACK A: Room C-156 <b>Energy Storage and Conversion</b> Continued		TRACK C: SNS Auditorium <b>Applied Machine Learning</b> Chairs:
2:00	<b>Matthew Boebinger</b> (Georgia Institute of Technology) <i>In Situ TEM for Understanding Chemo-Mechanical Degradation in Battery Materials</i>	2:00 <b>INVITED: Tess Smidt</b> (Lawrence Berkeley National Lab.) <i>Toward the Systematic Generation of Hypothetical Atomic Structures: Geometric Motifs and Neural Networks</i>
2:25	<b>Feng-Yuan Zhang</b> (U. Tennessee) <i>MoS<sub>2</sub> Nanosheets with Boosted Catalytic Performance for Hydrogen Evolution Reaction</i>	2:40 <b>Thomas Blum</b> (U. California, Irvine) <i>Machine Learning for Challenging EELS and EDS Spectral Decomposition</i>
2:50	<b>INVITED: Scott Geyer</b> (Wake Forest U.) <i>Putting Atoms in the Right Place for Catalysis: Atomic Templating of Transition Metals with P and B for Synthesis of Renewable Fuels</i>	3:05 <b>Joshua Agar</b> (Lehigh U.) and <b>Rama Vasudevan</b> (ORNL) <i>Data-Driven Approaches for Experimental Science</i>
3:30	Break	
3:40	Plenary Lecture II, SNS Auditorium <b>Rampi Ramprasad</b> , Georgia Institute of Technology <i>Polymer Genome: A Machine Learning Platform for Rational Polymer Design</i>	
4:30	Announcement of Student Poster Winners - SNS Auditorium	
4:45	Adjourn	
	<b>Wednesday, August 14</b>	Workshops/Tutorials available