

2021 Joint Nanoscience and Neutron Scattering Virtual User Meeting



Note: All times listed are US Eastern Time/New York. Zoom links can be accessed in Whova (see page 5 for instructions).

Monday, August 9: Day 1

10:30 a.m.–12:40 p.m.	Welcome and Plenary Session A			
10:30 a.m.	ORNL Welcome Joshua Agar, CNMS UEC Chair and Daniel Shoemaker, SHUG EC Chair			
10:40 a.m.	Neutron Sciences Overview Ken Andersen, Associate Lab Director for the Neutron Sciences Directorate Hans Christen, Neutron Scattering Division Director			
11:00 a.m.	Nanoscience Overview Karren More, Center for Nanophase Materials Sciences Director			
11:10 a.m.	Plenary Speaker: Linda Horton, Associate Director of Science for Basic Energy Sciences (BES), US Department of Energy (DOE) Office of Science (SC) Title: DOE Office of Science Update			
11:40 a.m.	Plenary Speaker: Luke Brewer, The University of Alabama Title: Processing-Structure Relationships in Metallic Materials: Discovering the Enabling Science for Advanced Manufacturing			
1:00 – 1:30 p.m.	Virtual Tour of the CNMS			
1:00 - 2:00 p.m.	HFIR/SNS Data Analysis Town Hall - Thomas Proffen, Oak Ridge National Laboratory			
1:00 - 2:00 p.m.	Poster Viewing (available in Whova under the agenda for Sunday, August 8)			
2:00–4:00 p.m. Parallel Oral Sessions	Joint Session: Hard Materials: Energy Storage and Conversion Moderator: Ethan Self	Joint Session: Soft Materials: Polymers Moderator: Laura Stingaciu	Joint Session: Data Enabled Science Moderators: William Ratcliff, Joshua Agar	
	2:00 p.m.	Juan-Pablo Correa Baena, Georgia Tech	Yangyang Wang, Oak Ridge National Laboratory	Anjana Samarakoon, Argonne National Laboratory
	2:30 p.m.	Nicholas Weadock, University of Colorado at Boulder	Gaurav Arya, Duke University	Nhan Tran, Fermi National Accelerator Laboratory
	3:00 p.m.	George Nelson, U of Alabama in Huntsville	Simon Rogers, University of Illinois at Urbana-Champaign	Austin McDannald, NIST
	3:30 p.m.	Janet E. Macdonald, Vanderbilt University	Nate Lynd, University of Texas at Austin	Nikhil Shukla, University of Virginia
4:00–5:00 p.m.	Poster Viewing (available in Whova under the agenda for Sunday, August 8)			

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Tuesday, August 10: Day 2

10:30 a.m.–1:00 p.m.	Welcome, Plenary Session B, and Student Presentations			
10:30 a.m.	ORNL Welcome Joshua Agar, CNMS UEC Chair and Daniel Shoemaker, SHUG EC Chair			
10:40 – 11:40 a.m.	Plenary Speaker: Deji Akinwande, University of Texas at Austin Title: Imaging of Single Defect Memristors in 2D Materials and Applications			
11:40 – 1:00 pm	Talks from Best Student Presentation Award Winners Moderator: Zachary Hood			
1:00-2:00 p.m.	Gathertown Virtual Mixer			
2:00–4:00 p.m. Parallel Oral Sessions	Joint Session: Hard Materials: Imaging Moderators: Adrian Bruegger, Ethan Self	Joint Session: Soft Materials: Biology Moderator: Jarek Majewski	Joint Session: Data Enabled Science Moderators: Joshua Agar, Geneva Laurita	
	2:00 p.m.	Anton Tremsin, UC Berkeley	Matthais Kolle, MIT	Eun-Ah Kim, Cornell University
	2:30 p.m.	Mary Scott, UC Berkeley/LBNL	Daniel Kneller, Oak Ridge National Laboratory	Simon Billinge, Columbia/BNL
	3:00 p.m.	James T. Burns, University of Virginia	Tomonori Saito, Oak Ridge National Laboratory	Olexandr Isayev - Carnegie Mellon University
	3:30 p.m.	Roger Proksch, Asylum Research and Oxford Instruments	Kathryn Morris, Xavier University	James Warren, Materials Genome Program (NIST)
4:00–5:00 p.m.	Poster Viewing (available in Whova under the agenda for Sunday, August 8)			

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Wednesday, August 11: Day 3

10:30 a.m.–12:40 p.m.	Welcome, Plenary Session C, SHUG Town Hall		
10:30 a.m.	ORNL Welcome Joshua Agar, CNMS UEC Chair and Daniel Shoemaker, SHUG EC Chair		
10:40 – 11:40 a.m.	Plenary Speaker: Rana Ashkar, Virginia Tech Title: Cell Membranes from the Lens of Neutron Scattering and Computer Simulations		
11:40 – 12:40 pm	SHUG Town Hall Meeting <i>Including announcement of “Best Student Presentation” Award Winners in Neutron Scattering Sciences and “Outstanding Staff Service” Awards</i>		
1:00–2:00 p.m.	Poster Viewing (available in Whova under the agenda for Sunday, August 8)		
1:00-2:00 p.m.	Gather Town Virtual Mixer		
2:00–4:00 p.m. Parallel Oral Sessions	Joint Session: Hard Materials: Magnetism, quantum, and nanoelectronics Moderators: Danielle Yahne, Shengxi Huang	Joint Session: Soft Materials: Energy & Gas Adsorption Moderator: Yun Liu	Joint Session: Emerging Researchers in Nanoscience and Neutron Scattering (postdocs, junior faculty, and equivalent) Moderators: Zachary Hood, Travis Williams
	2:00 p.m. Benjamin Frandsen, Brigham Young University	Guoliang (Greg) Liu, Virginia Tech	2:00 p.m. Michelle Calabrese, University of Minnesota
	2:30 p.m. Weiwei Xie - Rutgers University	Murillo Longo Martins, Oak Ridge National Laboratory	2:20 p.m. Robert Wexler, Princeton University
	3:00 p.m. Kemp Plumb, Brown University	Greeshma Gadikota, Cornell University	2:40 p.m. Hillary Smith, Swarthmore College
	3:30 p.m. Michael Strano, Massachusetts Institute of Technology	Sandra J. Rosenthal, Vanderbilt University	3:00 p.m. Peter Meisenheimer, University of California, Berkeley 3:20 p.m. Alessandro Mazza, Oak Ridge National Laboratory 3:40 p.m. Ruijuan Xu, Stanford University
4:00–5:00 p.m.	Poster Viewing (available in Whova under the agenda for Sunday, August 8)		

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Thursday, August 12: Day 4

10:30 a.m.–12:20 p.m.		Welcome, Plenary Session D, CNMS Town Hall			
10:30 a.m.	ORNL Welcome Joshua Agar, CNMS UEC Chair and Daniel Shoemaker, SHUG EC Chair				
10:40 – 11:40 a.m.	Plenary Speaker: John Randall, Zyvex Labs Title: A Promising Path to Atomically Precise Manufacturing: Digital Atomic-Scale Fabrication				
11:40 – 12:20 p.m.	CNMS Town Hall Meeting <i>Including announcement of “Best Student Presentation” Award Winners in the Nanosciences and the CNMS Staff Appreciation Award</i>				
1:00 - 1:30 p.m.	SNS Virtual Tour Melanie Kirkham	1:00 - 2:00 p.m.	Poster Viewing (available in Whova under the agenda for Sunday, August 8)		
1:30 - 2:00 p.m.	HFIR Virtual Tour Matthias Frontzek				
2:00–4:00 p.m. Parallel Oral Sessions	Joint Session: Hard Materials: Functional Materials / Condensed Matter Moderators: Lisa Debeer-Schmitt, Peter Moeck	Joint Session: Soft Materials: Colloids & Complex Fluids Moderator: Rana Ashkar	Joint Session: Emerging Researchers in Nanoscience and Neutron Scattering (postdocs, junior faculty, and equivalent) Moderators: Martin Mourigal, Zachary Hood		
	2:00 p.m.	Tanushree Choudhury, Indian Institute of Technology Bombay	Ryan Poling-Skutvik, University of Rhode Island	2:00 p.m.	Amy Xu, Louisiana State University
	2:30 p.m.	Alex Zettl, University of California at Berkeley	Philip William, University of Notre Dame	2:20 p.m.	Kiranmayi Dattareya Dexit, Purdue University
	3:00 p.m.	Sara Haravifard, Duke University	Nairiti Sinha, University of California, Santa Barbara	2:40 p.m.	Mary Machado, Cornell University
	3:30 p.m.	Claire Saunders, California Institute of Technology	Carlos Silvera Batista, Vanderbilt University	3:00 p.m.	Nina Andrejevic, MIT
			3:20 p.m.	Aeriel D.M. Leonard, Ohio State University	
			3:40 p.m.	Rafael Balderas, Oak Ridge National Laboratory	
4:00–5:00 p.m.	Poster Viewing (available in Whova under the agenda for Sunday, August 8)				

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Accessing the Virtual Meeting in Whova

We are using an online platform called Whova for our event. All Zoom links can be accessed directly from the [event page](#). You should have received an email titled “Ready for the 2021 Joint Nanoscience and Neutron Scattering User Meeting? Download the Whova App”. Click on the “Download App” link in the email to access the meeting. On the resulting page, there is an option to “Go to Desktop/Laptop” if you do not want to download the mobile app.

After downloading or accessing the web page for Whova on your browser, use the same email address to sign up. Once you're signed up, you should be taken directly to the event.

If you need more guidance on how to use Whova to attend the event, please visit [Whova User Guides](#).

Enjoy the 2021 Joint Nanoscience and Neutron Scattering User Meeting!