

## NEUTRON DAY – 2017

### “Solving Grand Challenge Problems in Science & Engineering with Neutrons”

Co-sponsored by

Center for Neutron Science (CNS)

National Institute for Standards & Technology Center for Neutron Research (NIST-NCNR)

University of Delaware College of Engineering

Department of Chemical & Biomolecular Engineering

Department of Materials Science & Engineering

Wednesday, November 8, 2017

TIME	EVENT/SPEAKER	PRESENTATION TITLE	LOCATION
9–10:00	<b>Poster Set-Up</b>		ISE Lab Lobby
9–10:00	<b>Registration Opens with Continental Breakfast</b>		Ewing Room
10:00	<b>Welcome Remarks by Norman Wagner</b> Director, Center for Neutron Science & NIST Center for Neutron Research		Ewing Room
10:05	<b>Dan Neumann</b> Group Leader for Neutron Condensed Matter Science at the NIST Center for Neutron Research	“Advances in Neutron Scattering Instrumentation and Methods at the NCNR”	Ewing Room
10:20	<b>Eric Bloch</b> University of Delaware	“Small Molecule Storage and Activation with Metal-Organic Polyhedra”	Ewing Room
10:40	<b>Grethe Jensen</b> NIST Center for Neutron Research	“Studying Self-healing Hydrogels at the Molecular Level”	Ewing Room
11:00	<b>Jeff Richards</b> CBE, University of Delaware	“Microstructural Origins of the Electrical and Mechanical Properties of Suspension Electrodes”	Ewing Room
11:20	<b>Carlos Lopez-Barron</b> ExxonMobil	“Extensional Rheo-SANS in Polymer Melts”	Ewing Room
11:40–12:45	<b>Lunch &amp; Poster Session</b>		ISE Lab Lobby
12:45–1:50	<b>UD Creamery Ice Cream &amp; Poster Session</b>		ISE Lab Lobby
2:00	<b>Raul Lobo</b> Director, Center for Catalytic Science & Technology	“Advancing Catalysis Science in Energy Conversion Using Neutrons”	Ewing Room
2:20	<b>Norman Wagner</b> Director, CNS & NIST-NCNR, University of Delaware	“Solving Grand Challenges in Bio-pharmaceutical Manufacturing, Preservation & Delivery with Neutrons”	Ewing Room
2:40	<b>Susana Marujo Teixeira</b> NIST Center for Neutron Research	“Extreme Biophysics: Solution Studies Under Pressure”	Ewing Room
3:00	<b>Antonio Faraone</b> NIST Center for Neutron Research	“The Role of Nanoparticle Size on Chain Dynamics in Polymer Nanocomposites”	Ewing Room
3:20	<b>Closing Remarks by Norman Wagner &amp; Dan Neumann</b>		Ewing Room

*Parking is available in the [Perkins Student Center Garage](#)*

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