

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
9:00 a.m.	Registration Opens, Continental Breakfast & Poster Set-Up		ISE Lab Lobby
10:00 a.m.	Welcome Remarks by Norman Wagner Director, Center for Neutron Science & NIST Center for Neutron Research		Pearson Hall Auditorium
10:05 a.m.	Dan Neumann Group Leader for Neutron Condensed Matter Science at the NIST Center for Neutron Research	“Advances in Neutron Scattering Instrumentation and Methods at the NCNR”	Pearson Hall Auditorium
10:20 a.m.	Eric Bloch University of Delaware	“Small Molecule Storage and Activation with Metal-Organic Polyhedra”	Pearson Hall Auditorium
10:40 a.m.	Grethe Jensen NIST Center for Neutron Research	“Studying Self-healing Hydrogels at the Molecular Level”	Pearson Hall Auditorium
11:00 a.m.	Jeff Richards CBE, University of Delaware	“Microstructural Origins of the Electrical and Mechanical Properties of Suspension Electrodes”	Pearson Hall Auditorium
11:20 a.m.	Carlos Lopez-Barron Exxon Mobile	“Extensional Rheo-SANS in Polymer Melts”	Pearson Hall Auditorium
11:40 a.m. –1:50 p.m.	Lunch & Poster Session		ISE Lab Lobby
2:00 p.m.	Rob Dimeo Director, NIST Center for Neutron Research	“Neutrons Around the Globe: an Update on Sources and Advances in Metrology”	Pearson Hall Auditorium
2:20 p.m.	Norman Wagner Director, CNS & NIST-NCNR, University of Delaware	“Solving Grand Challenges in Bio-pharmaceutical Manufacturing, Preservation & Delivery with Neutrons”	Pearson Hall Auditorium
2:40 p.m.	Susana Marujo Teixeira NIST Center for Neutron Research	“Extreme Biophysics: Solution Studies Under Pressure”	Pearson Hall Auditorium
3:00 p.m.	Antonio Faraone NIST Center for Neutron Research	“The Role of Nanoparticle Size on Chain Dynamics in Polymer Nanocomposites”	Pearson Hall Auditorium
3:20 p.m.	Closing Remarks by Norman Wagner & Dan Neumann		Pearson Hall Auditorium

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

Registration & poster submission available through www.cns.che.udel.edu