

2017 NEUTRON DAY - Poster Presentations

	LAST NAME	FIRST NAME	TITLE
1	Bleuel	Markus	Experiments at USANS, NCNR
2	Chiang	Wei-Shan	Heterogeneous Structure of Shale Rocks
3	Curtis	Joseph	Characterization of the NIST mAb Reference Material Using Small-Angle Scattering
4	Gnaupel-Herold	Thomas	Measurement of Residual and Applied Stress in Engineering: Equipment and Applications
5	Heinrich	Frank	The structure of KRas-4B-FMe at the lipid membrane.
6	Hipp	Julie	Rheo-USANS as a tool for understanding flow-induced structure in carbon black suspensions
7	Hussey	Daniel	Neutron Imaging at NIST.
8	Jeong	Cheol	Nanodisc-by-design for characterization of membrane proteins using in-silico small-angle neutron scattering measurement
9	Koshari	Stijn	Influence of Resin Architecture and Protein Size on Protein Distribution in Ion-Exchange Media
10	Lorzing	Gregory	Small molecule activation in metal organic materials
11	Mao	Yimin	Cellulose Nanocrystals: Preparation, Characterization and Magnetic Alignment
12	Mondal	Paramita	Nucleation Seeding in Alkali – Activated Binders
13	Morris	Melody	Leveraging neutron reflectometry to determine salt and polymer density profiles in block copolymer electrolytes
14	Murphy	Ryan	Mapping the states of anisotropic colloids with short-range attractions
15	Nagao	Michihiro	Probing elastic and viscous properties of phospholipid bilayers
	Kelly	Elizabeth	
16	Nayem	Jannat	Investigating Internal Dynamics of Monoclonal Antibody via Neutron Spin Echo
17	Richards	Jeffrey	Dielectric RheoSANS: A technique for the interrogation of the electrical, mechanical and structural response of soft matter to shear
	Riley	John	
18	Rus	Eric	Neutron Reflectometry of Electrochemical Interfaces in Lithium Ion Battery Electrolytes
19	Senses	Erkan	Dynamics in polymer nanocomposites investigated by high-resolution neutron scattering
20	Shen	Hao	Protein Diffusion in Ordered Porous Aluminum Oxide
21	Sinha	Nairiti	Tunable supramolecular architectures constructed using computationally designed coiled coil peptides
22	Tein	Summer	Understanding molecular structure and rheology of complex fluid interfaces
23	Tosado	Jacob	Development of Spherical Neutron Polarimetry at the NIST Center for Neutron Research
24	Trump	Ben	Understanding Dynamics and Water Interactions in Metal Organic Frameworks
25	Tyagi	Madhu Sudan	High Flux Backscattering Spectrometer at the NIST Center for Neutron Research
26	Villanueva-Valencia	Jose Ramon	Purification of concentrated and polydisperse solutions of nanoparticles through critical Casimir forces
27	Weaver	Jamie	Characterization of Next Generation Lithium-Ion Battery Materials by Neutron Depth Profiling
28	Weston	Javen	Probing the Structure of High Viscosity Complex Fluids at Extreme Shear Rates
29	Whitcomb	Kevin	Flow SANS on Shear Thickening Colloidal Suspensions
30	Xie	Ru	Wearable electronics and sensors for planetary exploration astronaut suits
31	Zhang	Michael	Investigation of Surface Adsorption Behaviors of Non-Ionic Surfactants and Monoclonal Antibodies by Neutron Reflectometry
32	Zheng	Wenjuan	Plant Growth Promoting Rhizobacteria (PGPR) Enhance Plant Drought Stress Tolerance: Hydrological Changes in Rhizospheric Soil