NEUTRON SCATTERING IN SOFT MATTER WORKSHOP

MODERATORS:
Donghui Zhang
LSU Assoc Prof of Chemistry
John DiTusa
LSU Prof of Physics

Dec 8, 2014
8:30am-4:30pm
210 Choppin Hall, LSU
Please note LOCATION CHANGE

WILLIAM HELLER
Instrument Scientist, EQ-SANS Diffractometer, Oak Ridge National Lab
Neutron Scattering for Soft Matter Science + Biology at Oak Ridge National Lab
William Heller is a physicist and instrument scientist on the EQ-SANS instrument at the Spallation Neutron Source of ORNL. His primary research interests are in the structure of biomembranes and their interactions with proteins and peptides. He also develops methods and software for modeling small-angle scattering data.

DVORA PERAHIA
Professor of Physical Chemistry, Clemson University
A Glimpse Into Soft Assemblies from Drug Delivery to Actuators: Small Angle Neutron Scattering; The Role of Interfaces in Energy Production, Capture, and Storage; and Non-Polarized Neutron Reflectometry
The focus of Dr. Perahia’s research is the study of polymers and complex fluids, including polyelectrolytes, semi-fluoro polymers that form liquid crystals, conducting polymers, rodlike highly conjugated polymers, and monodispersed di-block and tri-block co-polymers.

BOBBY SUMPTER
Director, Nanomaterials Theory Institute, Oak Ridge National Lab
Interfacial Dynamics in Polymer-Based Multicomponent Materials
Dr. Sumpter’s research is directed primarily toward developing and applying modern computational and mathematical capabilities for the understanding and prediction of chemical and physical processes ranging from the molecular to the nanoscale to full-size engineering applications, using a multidisciplinary approach that integrates chemistry, physics, materials science, mechanical engineering, and biology.

LUNCH PROVIDED. RESERVATIONS REQUIRED.
E-mail larkin@lsu.edu by Dec 5 to reserve your spot

Louisiana Consortium for Neutron Scattering