Fields Interacting with Soft Matter

Institute for Multiscale Materials Studies Workshop Research Park, Room 203

Monday September 8: Structure-Electronic interplay in soft matter systems

8:00 AM	Conference Registration			
8:15 AM	Ed Kober (LANL/IMMS) Welcome—Institute overview			
8:30 AM	Michael Chabinyc (UCSB) Flexible Electronics with Printable Semiconduc Polymers	cting		
9:10 AM	Sergei Tretiak (LANL/CINT) Multiscale Modeling of Electronic Excitations Nanoscale	at the		
9:50 AM	COFFEE BREAK INFORMAL DISCUSSIONS			
10:15 AM	Thuc-Quyen Nguyen (UCSB) Nanostructures in Organic Semiconductors and Energy Challenge	d the		
10:55 AM	Darryl Smith (LANL) Comparison of Spin Injection and Transport in Organic and Inorganic Semiconductors			
11:35 AM	Han Htoon (LANL/CINT) Anomalous Circular Polarization of Magneto-Photoluminescence from Individual CdSe			
12:15 PM	LUNCH			
Bio-sensors and other bio applications				
1:00 PM	Basil Swanson (LANL) Biomimetic Approaches to Pathogen Detection Medical Diagnostics	and		
1:40 PM	Bruce Bunker (SNL/CINT) Programmable Monolayers for On-Chip Sensir and Separations	ıg		
2:20 PM	COFFEE BREAK INFORMAL DISCUSSIONS			
2:45 PM	James Werner (LANL/CINT) Tracking Single Quantum Dots in 3D: Applicatin Biology and Soft Materials	ations		
3:25 PM	Scott Shell (UCSB) Folding Proteins and Peptides with All Physics: Methods and Applications	Atom		
4:05 PM	Jennifer Martinez (LANL/CINT) Synthesis and Assembly of Nanoarchitectures: Fluorescent Nanoclusters			

Fields Interacting with Soft Matter

Institute for Multiscale Materials Studies Workshop Research Park, Room 203

Tuesday September 9: Structure of soft matter assemblies

8:00 AM	Mark McClesky (LANL)	MaRIE overview	
8:30 AM	Craig Hawker (UCSB) Semiconductor and Biomedia	Design and Synthesis of Performance Materials for cal Applications	
9:10 AM	Jaroslaw Majewski (LANL) Polymeric Structure	Model Biomembranes and Their Interactions with	
9:50 AM	COFFEE BREAK INFORMAL DISCUSSIONS		
10:15 AM	Paul Welch (LANL)	Novel Properties of Regularly Branched Polymers	
10:55 AM	Jon Schoonover (LANL) Relation to Thermomechanic	Dynamic Infrared Linear Dichroism and the al Properties	
11:35 AM	Amalie Frischknecht (SNL/Ca Blends near a Substrate	INT) Phase Behavior of Polymer/Nanoparticle	
12:15 PM	LUNCH		
12:15 PM 1:00 PM	LUNCH Andrew Dattelbaum (LANL/C) Interface of Chemistry and B	, 1	
	Andrew Dattelbaum (LANL/C	, 1	
1:00 PM	Andrew Dattelbaum (LANL/C Interface of Chemistry and B Ed Kramer (UCSB)	Self-assembly, and characterization of, soft matter	
1:00 PM 1:40 PM	Andrew Dattelbaum (LANL/C Interface of Chemistry and B Ed Kramer (UCSB) structures in two dimensions	Self-assembly, and characterization of, soft matter	
1:00 PM 1:40 PM 2:20 PM	Andrew Dattelbaum (LANL/C Interface of Chemistry and B Ed Kramer (UCSB) structures in two dimensions COFFEE BREAK INFO	Self-assembly, and characterization of, soft matter RMAL DISCUSSIONS	

Fields Interacting with Soft Matter

Institute for Multiscale Materials Studies Workshop Research Park, Room 203

Wednesday September 10: **Complex fluids**

8:20 AM	Marc Cawkwell (LANL)	Deformation in Organic Molecular Crystals
9:00 AM	Barons Peters (UCSB) Landscapes from Path Samp	Accurate Reaction Coordinates and Free Energy ling
9:40 AM	Marilyn Hawley (LANL)	AFM Characterization of Polymers
10:20 AM	COFFEE BREAK INFORMAL DISCUSSIONS	
10:50 AM	Nelson Bell (SNL/CINT)	Interfacial Control in Photochromic Systems
11:30 AM	Todd Squires (UCSB)	Fluid Mechanics and Microfluidics
12:10 PM	LUNCH	
1:00PM	Poster Session	
	1. Roger Diebold (UCS	B) ""

- Roger Diebold (UCSB) "'
 Arthur Scholz (UCSB) "'
- 3. Jerred Chute (UCSB) ""
- 4. Miguel Zapata (UCSB) ""
- 5. Chris Hammetter (UCSB) ""
- 6. Corey Hoven (UCSB) ""
- 7. Leslie Sasa (Lujan) ""
- 8. Eric Yearley (Lujan) ""

Adjourn 3:00 PM