

IRTG 1524 Annual Meeting 2014

Program

FRIDAY, JUNE 06		
Time	Speaker	Chair
	<i>Bus shuttle from TXL airport (individual pick-up at arrival gate)</i>	
16:30	<i>Arrival/Check in</i>	
17:00	Martin Schoen Introduction and welcome remarks	R. Lipowsky
17:10	Martin Schoen Disclination lines and effective interactions in ordered liquid-crystal host phases	
17:30	Keith Gubbins Wetting at the Nano-Scale	
17:50	Gerhard Findenegg Protein interaction with silica nanoparticles and nanochannels	
18:10	<i>Coffee break</i>	
18:20	Andrea Grafmüller Coarse-graining and Monte Carlo simulations of polysaccharides	O. Velev
18:40	Hans Riegler Nucleation and growth on nanopatterned surfaces	
19:00	Gabriel Lopez Synthesis and fabrication of colloidal materials	
20:00	<i>Dinner</i>	

SATURDAY, JUNE 07		
Time	Speaker	Chair
09:30	Reinhard Lipowsky Remodelling of fluid membranes: from vesicle adhesion to engulfment patterns of nanoparticles	G. Findenegg
09:50	Rumiana Dimova Adhesion-induced domain formation in multicomponent membranes	
10:10	Paul Janmey Surface charge densities and self-organization of biological polyelectrolytes	
10:30	<i>Coffee break</i>	
10:40	Stefan Zauscher “Living” enzymatic polycondensation polymerizations: towards new DNA nanostructures	S. Klapp
11:00	Michael Gradzielski Interactions between vesicles and (modified) silica nanoparticles	
11:20	Thomas Weikl Cooperative wrapping of nanoparticles by membranes	
11:40	<i>lunch + individual discussions</i>	
14:20	Jürgen Rabe Conformational transitions of biomacromolecules within ultrathin amphiphilic films	M. Schoen
14:40	Holger Stark Phase ordering of switchable model molecules and photofluidization	
15:00	Patrick Charbonneau Martensitic transformations in 2D colloidal alloys	
15:20	<i>Coffee break</i>	
15:40	Meeting 1 (Organizers)	<i>individual discussions (all others)</i>
16:40	Meeting 2 (PhD students)	
17:20	<i>individual discussions</i>	
18:00	<i>Dinner</i>	
20:00	Poster Session	

SUNDAY, JUNE 08		
Time	Speaker	Chair
09:30	Carol Hall Coarse-grained simulations of colloidal self assembly and of membrane fusion	P. Charbonneau
09:50	Sabine Klapp Self-assembly of dipolar colloids at surfaces: laning and network formation	
10:10	Regine von Klitzing Polymer brush/gold particle hybrids: mutual structural effects on the particle distribution	
10:30	<i>Coffee break</i>	
10:40	Orlin Velev Novel dynamic structures in particle ensembles driven by multi-directional field-controlled interactions	C. Hall
11:00	Hanna Gracz Quantitative analysis by the NMR spectroscopy	
11:20	Meeting 3 (all PIs)	<i>individual discussions (all others)</i>
12:30	<i>lunch + individual discussions</i>	
15:00	Michael Stolarski 4-Nitrothiophenol – a facile molecule for the determination of electric field strengths and the changes of the Tilt angle	G. Lopez
15:20	Michael Oberle Competitive protein adsorption onto functional polymeric materials: the case of core-shell microgels	
15:40	Kenneth Mineart Interfacial Development of Block Ionomers and Corresponding Property Changes	
16:00	Collin Eaker Immense and reversible changes of the interfacial energy of a liquid metal	
19:00	<i>Dinner</i>	