

Program

Wednesday, December 13

Time	Speaker	Chair
11:00 AM	<u>Martin Schoen</u> <i>Welcome Notes</i>	
	<u>Martin Schoen</u> <i>Introduction/Overview</i> <u>Daniela Fliegner</u> <i>Overview</i>	
	<u>Thomas Zemb</u> <i>Accompanying IRTG 1524 as a Mercator-Fellow/ A Souvenir of four Years of Macrocolloidal Interactions</i> <u>Orlin D. Velev</u> <i>Accompanying IRTG 1524 as a Mercator-Fellow/ Dynamically Reconfigurable Colloidal Structures in External Fields: From Particle Gels to Micro-Origami and Microbots</i>	Martin Schoen
12:30 PM	Lunch	
2:00 PM	<u>Bhuvnesh Bharti</u> <i>Programming Non-Linear Active Motion of Metallodielectric Colloids by Designing Surface Patch Asymmetry</i>	Eleanor Ewins
2:20 PM	<u>Stephanie Lam</u> <i>Physical Properties Characterization in Topical Product Development</i>	
2:40 PM	<u>Hans Riegler/Jose Danglad</u> <i>Nucleation, Growth and Wetting Phenomena at Nano- Structured Planar Surfaces</i>	
3:00 PM	<u>Stefanie Christau</u> <i>Harnessing Immune Cells in Nanoparticle-Based Therapies</i>	
3:20 PM	Break	
3:40 PM	<u>Sabine Klapp</u> <i>Self-Assembly and Dynamics of Dipolar and Multipolar Particles at Surfaces</i>	Francesco Bonazzi
4:00 PM	<u>David Rutkowski</u> <i>Frictional Behavior between Hydrogels via Dissipative Particle Dynamics Simulations</i>	
4:20 PM	<u>Katherine Phillips</u> <i>Data, Models, and Methods to Aid in Assessing Exposure to Chemicals</i>	
4:40 PM	Break	
5:00 PM	<u>Stefan Zauscher</u> <i>DNA and Graphene at Surfaces</i>	Esra Oguztürk
5:20 PM	<u>Jürgen P. Rabe</u> <i>Manipulation of Self-Assembled Soft-Matter Nanostructures at Interfaces with Graphene</i>	
5:40 PM	<u>Raphaël Michel</u> <i>Contributing to the Development of an Academic Department in Ethiopia</i>	
	Discussion - <i>Former PhD students talk about their experiences after finishing the PhD</i>	Daniela Fliegner
7:30 PM	Dinner	

Thursday, December 14

Time	Speaker	Chair
9:30 AM	<u>Matthias Ballauff</u> <i>Interaction of Proteins with Polyelectrolytes</i>	Rodrigo Perez Garcia
9:50 AM	<u>Richard Spontak</u> <i>Preparation, Characterization and Uses of Midblock-Functionalized Triblock Copolymers</i>	
10:10 AM	<u>Kenneth Mineart</u> <i>Self-Assembly in Organics, Water, and Back Again</i>	
10:30 AM	Break	
10:50 AM	<u>Holger Stark</u> <i>Phase Ordering and Dynamic Heterogeneities of Photo-Switchable Molecules on a Substrate</i>	Stefanie Wandrei
11:10 AM	<u>Reinhard Lipowsky</u> <i>Membrane Adhesion and Engulfment of Nanoparticles</i>	
11:30 AM	<u>Andrea Grafmüller</u> <i>Coarse-Grained Models for Polysaccharides and Interfaces</i>	
11:50 AM	<u>Thomas Weikl</u> <i>Membranes and Nanoparticles</i>	
12:30 PM	Lunch	
2:00 PM	<u>Liangliang Huang</u> <i>Tetrahedron Ionic Liquids as Self-Lubricant: Experiments and Molecular Simulation</i>	Gal Schkolnik
2:20 PM	<u>Rumiana Dimova/Jan Steinkühler/Eleanor Ewins</u> <i>What Proteins/Surfaces/Particles Sticking to Vesicles Do to the Membrane Phase State and Morphology</i>	
2:40 PM	<u>Gerhard Findeneegg</u> <i>Soft-Matter Nanostructures at Highly Curved Solid Surfaces: From Surfactants to Proteins</i>	
3:00 PM	Break	
3:20 PM	<u>Peter Hildebrandt/Jana Staffa</u> <i>Electric Fields at Biomimetic Interfaces</i>	Abdul Rauf
3:40 PM	<u>Michael Gradzielski</u> <i>(Modified) Nanoparticles and their Interaction with Lipid Membranes</i>	
4:00 PM	<u>Regine von Klitzing/Dikran Kesal</u> <i>Correlation between Spatial Distribution of Gold Particles in Polymer Brushes and Colorimetric Sensor Properties</i>	
4:20 PM	<u>Gal Schkolnik</u> <i>How I Stopped Being Afraid and Started Experimenting on Humans</i>	
4:40 PM	Break	
5:00 PM	<u>Amir Bahrami</u> <i>Membrane remodeling in cellular organelles</i>	Guo-Jun Liao
5:20 PM	<u>Martin Schoen/Sergej Püschel-Schlotthauer</u> <i>Colloid, confinement, and the self-assembly of anisotropic fluids</i>	
7:00 PM	Dinner	

Friday, December 15

Time	Speaker	Chair
9:30 AM	<u>TUB representative</u> <i>Welcome Notes</i> <u>Jürgen P. Rabe</u> <i>Welcome Notes</i>	
10:00 AM	<u>Keith E. Gubbins</u> <i>Compression in Thin Adsorbed Films: A Novel Route to High Pressure Processing</i>	Jürgen P. Rabe
10:40 AM	<u>Carol Hall</u> <i>Computational Investigation of Multipolar Colloidal Particles</i>	
11:20 AM	Break	
11:40 AM	<u>George Jackson</u> <i>Aspects of Biaxiality in Liquid Crystalline Systems</i>	Andrea Grafmüller
12:30 PM	Lunch	
2:00 PM	<u>Bob Evans</u> <i>Solvent Mediated Interactions Between Nano-Particles: Solvophobic Versus Solvophilic and the Accompanying Density Fluctuations</i>	Reinhard Lipowsky
2:40 PM	<u>Sabine Klapp</u> <i>Equilibrium and Non-Equilibrium Transitions of Colloidal Fluids under Strong Confinement</i>	
3:20 PM	<u>Nigel Wilding</u> <i>Critical Drying of Liquids and its Relevance to Hydrophobicity</i>	
4:00 PM	Break	
4:30 PM	<u>Peter Monson</u> <i>Adsorption in Mesoporous Materials: Thermodynamics, Dynamics and Hysteresis</i>	Holger Stark
5:10 PM	<u>Marco Mazza</u> <i>Liquid Crystals under Confinement: From Molecules to Hydrodynamics</i>	
5:50 PM	<u>Martin Schoen</u> <i>Closing remarks</i>	
7:00 PM	Dinner	