

IRTG Winter Workshop
November 29th, 2018
FIT, Freiburg

Please note each slot is 15 min talk + 10 min discussion

09:15	Arrival, Welcome Coffee
09:30 – 9:40	Günter Reiter, Jörg Baschnagel <i>Opening remarks</i>
Session 1	Chair: Charchit Kumar
09:40 – 10:05	Maryam Bahrami <i>Lubrication of surfaces covered by surface-attached hydrogel layers</i>
10:05 – 10:30	Matilde Eredia <i>Liquid-phase exfoliation approaches for mass production of 2D materials towards multifunctional devices</i>
10:30 – 10:55	Monasadat Talarimoghari <i>The effect of polymer architecture and conformation on the interaction of Polyethylene glycol (PEG) with biological nanopores</i>
10:55 – 11:15	Coffee Break
Session 2	Chair: Tobias Ensslen
11:15 – 11:40	Taras Sych <i>The plasma membrane reorganization induced by LecA from <i>P. aeruginosa</i></i>
11:40 – 12:05	Peter Müller <i>Liposomal encapsulation and delivery of bacteriophages to target intracellular pathogens</i>
12:05 – 12:30	Raisa Kociurzynski <i>Modelling membranes with complex lipid compositions</i>
12:30 – 13:30	Lunch Break
Session 3	Chair: Marcel Werner
13:30 – 13:55	Steffen Wiedmann <i>Compartmentalized Smart Polymer Ionic Liquids for Thermoresponsive Systems</i>
13:55 – 14:20	Viktoriia Untilova <i>Fabrication of highly oriented and crystalline conducting polymer films with anisotropic charge transport and thermoelectric properties</i>
14:20 – 14:45	Liudmyla Klochko <i>Dynamical properties of glass-forming colloids in 2D and polymers in 3D</i>
14:45 - 16:15	Poster Session <i>Tobias Ensslen, Jonas Kost, Charchit Kumar, Dmytro Kushnir, Alexander Kozur, Swann Militzer, Farzad Ramezani, Marcel Werner</i>

Session 4	Chair: Farzad Ramezani
16:15 – 16:40	Emna Khechine <i>Morphological Changes in a Langmuir Film of a Crystallizable Diblock Copolymer with Increasing Surface Density</i>
16:40 – 17:05	Abhijna Das <i>Ordering and crystallization of polymers at the air/water interface</i>
17:05 – 18:05	Individual feedback in small groups
19:30	Dinner & Get-together at “Zum roten Bären” (Oberlinden 12, 79098 Freiburg)

Poster presentations

Tobias Ensslen

Exploring the Role of Charged Residues for DNA-Porin Interaction

Jonas Kost

Low Temperature C,H Insertion Crosslinking of Diazo-functionalized Polymer Films for Microstructured Foils and Surfaces

Charchit Kumar

Investigation of Adhesion on Bio-replicated Microstructure Surfaces: Effects of Shape, Size, and Complexity of Patterns

Dmytro Kushnir

Plasticity and hysteresis in glassy colloidal suspensions

Alexander Kozur

Preparation of poly(oxazoline) modified TRGO for controlled dispersion stabilities

Swann Militzer

Exploring the role of Hydrogen-bonding in the electronic properties of organic semiconductors using diketopyrrolopyrrole as a model

Farzad Ramezani

Quantifying residual stresses via contraction of non-equilibrated polymer filaments made from spin coated films

Marcel Werner

PFA-PEG particles: A colloidal model system for the investigation of phase diagrams of pegylated systems