

16th Zsigmondy Colloquium "Soft Colloids" at HHU Düsseldorf

Monday, March 9, 2020

11:30	Registration and Coffee
12:50	Welcome
13:00	Polymer Foams with controllable Morphologies using different Templating Routes <i>Miriam Dabrowski, University of Stuttgart, Germany</i>
13:20	Gelatin-Based Hydrogel Foams with Tunable Pore Sizes <i>Friederike Dehli, University of Stuttgart, Germany</i>
13:40	Multifunctional nanopores by local control of surface chemistry <i>Maria Ochs, Technische Universität Darmstadt, Germany</i>
14:00	Aerogels from Janus Emulsions <i>Rajarshi Roy Raju, University of Potsdam, Germany</i>
14:20	Porous polymers via emulsion templating: pore deformation during solidification cannot be explained by an osmotic transport! <i>Lukas Koch, University of Stuttgart, Germany</i>
14:40	Coffee Break
15:10	Novel Statistical- and Block-Copolymers as Carrier Matrices for Amorphous Solid Dispersions <i>Timo Bollmann, TH Köln, Germany</i>
15:30	Influence of long- and mid-chain alcohol cosurfactants on the structure and properties of SDS/pDADMAC PESCs <i>Olga Kuzminskaya, Technische Universität Berlin, Germany</i>
15:50	Confinement-assembly of triblock terpolymers for the synthesis of Janus nanostructures <i>Andrea Steinhaus, University of Münster, Germany</i>
16:10	Vesicular Polymer Hexosomes and Their Topological Defects <i>Chin Ken Wong, University of Münster, Germany</i>
16:30	Interface of dye stabilized miniemulsions as powerful platform for the formation of sub-20 nm SiO ₂ nanoparticles <i>Susanne Sihler, University of Ulm, Germany</i>
17:00 - 19:00	Poster Session

Tuesday, March 10, 2020

9:00	Invited talk: Ilja Voets
9:50	Colloidal suspension under shear <i>Dmytro Kushnir, Albert-Ludwigs University of Freiburg, Germany</i>
10:10	Phase separation in protein solutions – a colloid perspective <i>Florian Platten, Heinrich-Heine-University Düsseldorf, Germany</i>
10:30	Growing Binary Crystals from Hard Sphere Colloids <i>Marco Klement, FAU Erlangen-Nürnberg, Germany</i>
10:50	Coffee Break
11:10	Super-resolution imaging of functional, responsive microgels <i>Dominik Wöll, RWTH Aachen University, Germany</i>
11:30	The Particle Morphology of Polyacrylamide-based Core-Shell Microgels by Super-Resolution Microscopy <i>Pia Otto, Bielefeld University, Germany</i>
11:50	The synthesis of marine-inspired adhesive pNIPAM-microgels <i>Sandra Forg, Technische Universität Darmstadt, Germany</i>
12:10	Lunch
13:30	A versatile synthetic platform for amphiphilic nanogels with tunable hydrophobicity <i>Alexandra Gruber, Freie Universität Berlin, Germany</i>
13:50	Sulfoxide-functionalized Nanogels to mimic Skin Penetration Enhancing Properties of DMSO <i>Doğuş Işık, Freie Universität Berlin, Germany</i>
14:10	π -Conjugated Core-Shell Polymer Particles via Fed-Batch Dispersion Polymerization <i>Bastian Haehnle, Ulm University, Germany</i>
14:30	Pre-programming the orientation to field of anisotropic magnetic microgels <i>Dominik L. Braunmiller, RWTH Aachen University, Germany</i>
14:50	Stimuli-Responsive Behavior of PNIPAm Microgels under Interfacial Confinement <i>Johannes Harrer, FAU Erlangen-Nürnberg, Germany</i>
15:10	Coffee Break
15:40	Size-controlled synthesis and colloidal assembly of Co_3O_4 nanoparticles with applications in electrocatalytic water-splitting <i>Johannes Kießling, University of Bayreuth, Germany</i>
16:00	Continuous flow synthesis of silver patches on silica nanoparticles: Insights into patch growth and stability <i>Andreas R. Völkl, FAU Erlangen-Nürnberg, Germany</i>
16:20	Iron Sulfide (FeS) Nanoparticle Encapsulated into Hollow Carbon Nanospindle as Sulfur Host for Lithium-Sulfur Batteries <i>Dongjiu Xie, University of Potsdam, Germany</i>
16:40	The removal of NPs after accident - How to avoid skin penetration? <i>Jonas Schubert, Leibniz Institute of Polymer Research Dresden, Germany</i>
19:00	Dinner
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22:00	

Wednesday, March 11, 2020

9:00	Invited talk: Peter Schurtenberger "Assembling thermoresponsive microgels"
9:50	Entropic mechanisms that bundle ultrathin gold nanowires <i>Simon Bettscheider, INM-Leibniz Institute for New Materials, Germany</i>
10:10	Dielectric properties of thin gold@polystyrene hybrid nanoparticle films <i>Roman Buchheit, INM-Leibniz Institute for New Materials, Germany</i>
10:30	Lattice resonances in arrays of chiral and plasmonic crescents on large-areas by colloidal lithography <i>Eric S.A. Goerlitzer, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany</i>
10:50	Coffee Break
11:20	Material design Strategies for Passive Radiative Daytime Cooling <i>Tobias Lauster, University of Bayreuth, Germany</i>
11:40	Polymer-based Janus Particles with Immobilized Enzymes for Biocatalytic Applications <i>Claudia Marschelke, Leibniz Institute of Polymer Research Dresden, Germany</i>
12:00	Surface Premelting and Interfacial Interactions of Clathrate Hydrates <i>Ngoc N. Nguyen, Max Planck Institute for Polymer Research, Germany</i>
12:20	EUSMI and JCNS Neutron Scattering Lab Course - An Offer to Expand Your Experimental Skills and Toolbox <i>Peter Lang, Forschungszentrum Jülich, Germany</i>
12:40	Farewell and Closing remarks