

# Scientific Program

PL: plenary lecture; SL: special lecture

Monday, September 23, 2019

	<b>Plenary Session (47.03) Chair: M. Gradzielski</b>		
13:00-13:15	<b>Welcome Address: C. Stubenrauch</b>		
13:15-13:55	<b>PL1: D. Langevin</b> (Ostwald Award Lecture) <b>“Emulsion stability in systems with ultralow oil-water interfacial tension”</b>		
13:55-14:35	<b>PL2: C. Bechinger</b> <b>“Group formation and cohesion of active particles with visual perception-dependent mobility”</b>		
14:35-16:00	<b>Poster Session / Coffee Break</b>		
	<b>Active Colloids (47.03)</b> Chair: T. Hellweg	<b>Surfactant Self-Assembly (47.05)</b> Chair: W. Kunz	<b>Applications (47.06)</b> Chair: A. Wittemann
16:00-16:20	<b>SL1: A. Eremin</b> Institute of Physics, University Magdeburg <b>“Entrainment dynamic of anisometric particles in an active bath”</b>	<b>SL4: I. Hoffmann</b> Institute Laue-Langevin, Grenoble <b>“Influence of Surfactant Chain Length on the Viscosity in Polyelectrolyte / Surfactant Complexes”</b>	<b>SL7: J. Gutmann</b> <i>Deutsches Textilforschungszentrum NordWest</i> <b>“Carbon Nanofibers (CNFs) from Electrospun Polyacrylonitrile (PAN) Nanoparticle Composites”</b>
16:20-16:40	<b>SL2: M. Heidari</b> Department of Physics, TU Darmstadt <b>“The Impact of Brush/Water Interface on the self-propulsion of Janus Particles”</b>	<b>SL5: H. Frielinghaus</b> Forschungszentrum Jülich, MLZ <b>“Microemulsions at planar surfaces with and without flow”</b>	<b>SL8: J. Venzmer</b> <i>Evonik Nutrition &amp; Care GmbH, Essen</i> <b>“Superspreading - Has the mystery been unraveled?”</b>
16:40-17:00	<b>SL3: M. Popescu</b> MPI for Intelligent Systems, Stuttgart <b>“Rotation of a thermo-chemically active colloid with random surface activity around the center of an optical trap”</b>	<b>SL6: V. J. Spiering</b> Institut für Chemie, TU Berlin <b>“Structure and Phase Behaviour of a New Type of CO<sub>2</sub>-Containing Dodecylethoxyolate Surfactants”</b>	<b>SL9: S. Andrieux</b> Institut Charles Sadron, Strasbourg <b>“Monodisperse Highly Ordered Chitosan/Cellulose Nanocomposite Foams”</b>
17:00-17:10	<b>Break</b>		
	<b>Plenary Session (47.03) Chair: M. Gradzielski</b>		
17:10-17:50	<b>PL3: A. Salonen</b> <b>“Interplay of bubbles and drops in foamed emulsions”</b>		
17:50-18:30	<b>PL4: W. Kunz</b> (Steinkopff Award) <b>“From colloidal solution chemistry to greener product formulations”</b>		

Tuesday, September 24, 2019

	<b>Plenary Session: (47.03) Chair: W. Richtering</b>		
9:00- 9:40	<b>PL5: O. Velev “Classical phenomena to new use: Magnetism and capillarity in the making of responsive and active colloidal structures”</b>		
9:40-10:20	<b>PL6: V. Schmitt (Springer Lecture) „Elaboration of double emulsion-based polymeric capsules for fragrance retention”</b>		
10:20-10:50	<b>Coffee Break</b>		
	<b>Self-Assembly (47.03) Chair: F. Gießelmann</b>	<b>Microgels (47.05) Chair: C. Papadakis</b>	<b>Methods (47.06) Chair: J. Bruckner</b>
10:50-11.10	<b>SL10: T. Hellweg</b> Department of Chemistry, University Bielefeld <b>“Interaction of the Bio-Surfactant Aescin with biological model membranes”</b>	<b>SL13: M. Kühnhammer</b> Department of Solid State Physics, TU Darmstadt <b>“PNIPAM microgel-stabilized foams studied with neutron scattering”</b>	<b>SL16: D. Vasquez</b> Institute of Chemistry, University of Potsdam <b>“Particle size analysis of highly concentrated phase change dispersions by Photon Density Wave spectroscopy”</b>
11:10-11:30	<b>SL11: T. Kottke</b> Physical and Biophysical Chemistry, Bielefeld University <b>“Formation of 2D Nanomembranes by Photopolymerization of Diacetylene Lipids”</b>	<b>SL14: S. Schneider</b> Institute of Physical Chemistry, RWTH Aachen <b>“Model-based Synthesis of Ferrocene Containing Microgels”</b>	<b>SL17: A. J. Schmid</b> Physical and Biophysical Chemistry, Bielefeld University <b>“Development of a Sample Environment for <i>in-situ</i> Dynamic Light Scattering in Combination with Small Angle Neutron Scattering for the Investigation of Soft Matter at the European Spallation Source”</b>
11:30-11:50	<b>SL12: M. Gradzielski</b> Institut für Chemie, TU Berlin <b>“Directed Assembly of Multi-Walled Nanoribbons and Nanotubes of Amino Acid Amphiphilics using a Layer-by-Layer Approach”</b>	<b>SL15: A. Scotti</b> Institute of Physical Chemistry, RWTH Aachen <b>“Deswelling of microgels in crowded suspensions depends on crosslink density <i>and</i> architecture”</b>	<b>SL18: A. Wittemann</b> Colloid Chemistry, University of Konstanz <b>“Separation of multimodal colloidal mixtures using zonal rotor centrifugation”</b>
11:50-13:15	<b>Lunch Break</b>		

Tuesday, September 24, 2019

	<b>Microgels (47.03)</b> Chair: T. Sottmann	<b>Colloid Dynamics (47.05)</b> Chair: P. Fischer	<b>Materials (47.06)</b> Chair: H. Frielinghaus
13:15-13:35	<b>SL19: A. Scotti</b> Institute of Physical Chemistry, RWTH Aachen “Exploring the colloid-to-polymer transition for ultra-low crosslinked microgels from three to two dimensions”	<b>SL22: P. Lettinga</b> Forschungszentrum Jülich “Morphological Influences on the Shear Flow Behaviour of Colloidal Rods”	<b>SL25: J. Koetz</b> Institut für Chemie, Universität Potsdam “Formation of anisotropic gold nanoparticles in AOT-based template phases”
13:35-13:55	<b>SL20: L. Zeininger</b> Max-Planck Institute of Colloids and Interfaces, Potsdam “Stimuli-Responsive Complex Emulsions as Novel Transducers in Chemical and Biological Sensing Application”	<b>SL23: D. Botin</b> Institut für Physik, JGU Mainz “Measuring Colloidal Dynamics in Turbid Suspensions”	<b>SL26: T. Quan</b> Helmholtz Zentrum Berlin “Highly Dispersible Hexagonal Carbon-MoS <sub>2</sub> -Carbon Nanoplates with Hollow Sandwich Structures for Supercapacitors”
13:55-14:15	<b>SL21: F. Jung</b> Physics Department, Technical University of Munich “Structural properties of a pH and temperature responsive telechelic pentablock terpolymer in dilute solution”	<b>SL24: E. Bartsch</b> Institute of Physical Chemistry, University Freiburg “Formation of Laves Phases in Repulsive and Attractive Binary Mixtures of Buoyancy Matched Hard Spheres”	<b>SL27: S. Schlappa</b> Institute of Chemistry/Physical Chemistry University of Potsdam “Inline Characterization of highly turbid disperions during emulsion polymerization using Photon Density Wave spectroscopy”
14:15-16:00	<b>Poster Session / Coffee Break</b>		
	<b>Plenary Session (47.03) Chair: C. Schmidt</b>		
16:00-16:40	<b>PL7: D. Kraft “Self-assembly of flexible colloidal structures”</b>		
16:40-17:20	<b>PL8: T. Kraus (Liesegang Award Lecture) “Hybrid colloids as printable materials”</b>		
17:30-18:30	<b>General Assembly of the Members of the Kolloid-Gesellschaft</b>		
19:30	<b>Conference Dinner</b>		

Wednesday, September 25, 2019

	<b>Plenary Seesion (47.03) Chair: W. Richtering</b>		
9:00- 9:40	<b>PL9: M. Borkovec</b> (Graham Award) <b>“Particle Aggregation”</b>		
9:40-10:20	<b>PL10: J. Lagerwall</b> <b>“Out of the gel and into the equilibrium liquid crystal: how fractionation of cellulose nanocrystals transforms phase diagram, cholesteric helix formation and tactoid behavior”</b>		
10:20-10:50	<b>Coffee Break</b>		
	<b>Self-Assembly (47.03) Chair: E. Bartsch</b>	<b>Liquid Crystals (47.05) Chair: A. Gröschel</b>	<b>Colloid Manipulation (47.06) Chair: J. Koetz</b>
10:50-11.10	<b>SL28: C. Papadakis</b> Physik-Department, TU München <b>“All-in-One "schizophrenic" self-assembly of orthogonally tuned thermoresponsive diblock copolymers”</b>	<b>SL31: C. Schmidt</b> Department of Chemistry, Paderborn University <b>“Formation of silver nanoparticles in monoolein-based lyotropic liquid crystals in the absence and presence of DNA”</b>	<b>SL34: S. Disch</b> Department für Chemie, Universität zu Köln <b>“Directing the Orientational Allignment of Anisometric Magnetic Nanoparticles using Dynamic Magnetic Fields”</b>
11:10-11:30	<b>SL29: F. Gröhn</b> Department of Chemistry and Pharmacy, University Erlangen <b>“Supramolecular Colloids with Functionality and Switchability through Light”</b>	<b>SL32: K. Koch</b> Institut für Physikalische Chemie, Universität zu Köln <b>“Strong ferronematic coupling with anisotropic LC polymer brush particles”</b>	<b>SL35: M. Retsch</b> Physikalische Chemie, Universität Bayreuth <b>“Ordered Particle Arrays via a Langmuir Transfer Process: Large Area Access to Any Two-Dimensional Bravais Lattice”</b>
11:30-11:50	<b>SL30: J. Crassous</b> Institute of Physical Chemistry, RWTH Aachen <b>“Supracolloidal Atomium”</b>	<b>SL33: J. Bruckner</b> Institut für Physikalische Chemie, Universität Stuttgart <b>“Lyotropic liquid crystals as templates for mesoporous silica materials”</b>	<b>SL36: Y. Alapan</b> Physical Intelligence Department, Max Plack Institute, Stuttgart <b>“Shape-directed programmable assembly of colloidal machines”</b>
11:50-12:00	<b>Break</b>		
	<b>Plenary Session (47.03) Chair: C. Stubenrauch</b>		
12:00-12:20	<b>PL11: A. Gröschel</b> (Zsigmondy Award Lecture) <b>“Compartmentalized Colloidal Particles”</b>		
12:20-13:00	<b>PL12: B. P. Binks</b> <b>“Oil Foams Stabilised by Surfactant or Fat Crystals”</b>		
13:00-13:15	<b>Closing Remarks: C. Stubenrauch</b>		