

Jülich Soft Matter Days 2015

10 - 13 November 2015

Seminaris Hotel in Bad Honnef, Germany

Wednesday, November 11	
8.00 – 8.55 h	Registration (<i>continued</i>)
	Session: Active Matter I
9.00 h	H. Stark (Technische Universität Berlin, Germany) <i>Active motion: From single microswimmers to their emergent collective dynamics</i>
9.30 h	C. Cottin-Bizonne (Université Claude Bernard Lyon, France) <i>Experimental studies of suspensions of active colloids</i>
10.00 h	P. Rudolf (University of Groningen, The Netherlands) <i>Molecular motors and switches at surfaces</i>
10.30 h	G. Juarez (ETH Zürich, Switzerland) <i>Active oil-water interfaces: Buckling of oil droplets by bacterial growth</i>
10.50 h	Coffee / Tea Break
	Session: Colloids
11.20 h	A.G. Yodh (University of Pennsylvania, Philadelphia, USA) <i>Transient colloidal liquids & chiral liquid crystals</i>
11.50 h	E. Bartsch (Albert-Ludwigs-Universität Freiburg, Germany) <i>Fluidization of highly concentrated colloidal dispersions by tailoring of attractive interactions</i>
12.20 h	S. Wiegand (Forschungszentrum Jülich, Germany) <i>Movement of charged colloidal spheres and rods in thermal gradients</i>
12.50 h	J. Sprakel (Wageningen University, The Netherlands) <i>Universality in the glass transition of soft colloids</i>
13.10 h	Lunch

	Session: Polymers
14.30 h	K. Saalwächter (Martin-Luther-Universität Halle-Wittenberg, Germany) <i>Macromolecular diffusion in confined-bulk and crowded-solution environments: Exploring the limits of Einstein Theory</i>
15.00 h	T. Kanaya (Kyoto University, Japan) <i>Distribution of glass transition temperature T_g in polymer thin films by neutron reflectivity and low energy muon spin relaxation</i>
15.30 h	A. Wischniewski (Forschungszentrum Jülich, Germany) <i>Molecular scale dynamics of ring polymers: A neutron scattering study</i>
16.00 h	C. Svaneborg (University of Southern Denmark, Odense, Denmark) <i>Predicting viscoelastic properties of real polymer materials using computer simulations</i>
16.20 h	K. Schröter (Universität Halle, Germany) <i>Dynamic networks in a dense polymeric melt from telechelic supramolecular polymers</i>
16.40 h	Poster Session I & Coffee / Tea Break
19.00 h	Dinner

Thursday, November 12	
	Session: Functional Soft Matter I
8.30 h	L. Leibler (ESPCI-CNRS, Paris, France) <i>Nanoparticles dispersions as adhesives for gels and biological tissues</i>
9.00 h	P. Baglioni (University of Florence, Italy) <i>Soft matter and colloids for the conservation of cultural heritage</i>
9.30 h	C.A. Dreiss (King's College London, United Kingdom) <i>Modulating self-assembly by complexation with cyclodextrins</i>
10.00 h	M. Hendrich (Georg-August-Universität Göttingen, Germany) <i>Biomimetic block copolymers containing L-phenylalanine moieties showing healing and enhanced mechanical properties</i>
10.20 h	Coffee / Tea Break
	Session: Biological Matter
11.00 h	P.A. Janmey (University of Pennsylvania, Philadelphia, USA) <i>Non-linear elasticity and relaxation in biopolymer networks and soft tissues</i>
11.30 h	J. Fitter (Forschungszentrum Jülich, Germany) <i>Multi-domain proteins studied by single-molecule spectroscopy</i>
12.00 h	T. Auth (Forschungszentrum Jülich, Germany) <i>Particle-decorated interfaces: Shape matters</i>
12.30 h	F. Platten (Heinrich-Heine-Universität Düsseldorf, Germany) <i>Colloidal physics applied to protein solutions: Linking experimental phase behaviour of proteins to colloidal interaction models</i>
12.50 h	E. Grelet (CNRS-Université de Bordeaux, Pessac, France) <i>Self-organization of rod-like viruses into colloidal membranes and bundles by depletion interaction</i>
13.10 h	Lunch
14.30 h	Poster session II & Coffee / Tea Break

	Session: Active Matter II
16.30 h	H. Löwen (Heinrich-Heine-Universität, Düsseldorf, Germany) <i>Nonreciprocal forces in soft matter systems</i>
17.00 h	E. Frey (Ludwig-Maximilian-Universität München, Germany) <i>Chiral active matter</i>
17.30 h	M. Dijkstra (Utrecht University, The Netherlands) <i>Pushing the glass transition towards random close packing using self-propelled hard spheres</i>
18.00 h	A. Snezhko (Argonne National Laboratory, USA) <i>Emergent dynamics and spontaneous symmetry breaking in active magnetic colloids</i>
18.30 h	N. Koumakis (University of Edinburgh, United Kingdom) <i>Active time scales for particles in bacterial baths</i>
18.50 h	End
19.30 h	Departure for the Conference Dinner

Friday, November 13

	Session: Functional Soft Matter II
8.30 h	U. Steiner (Adolphe Merkle Institut, Fribourg, Switzerland) <i>Nanostructured inorganic materials derived from block-copolymer self assembly</i>
9.00 h	W. Richtering (RWTH Aachen, Germany) <i>Microgels: Macromolecules or colloids?</i>
9.30 h	F. Serra (University of Pennsylvania, Philadelphia, USA) <i>Microlenses of smectic liquid crystals flowers</i>
10.00 h	D.Z. Gunes (Nestlé Research Center, Lausanne, Switzerland) <i>Structure coarsening and its characterization in real model food emulsions and foams</i>
10.20 h	Coffee / Tea Break
	Session: Flow and Rheology
11.00 h	T.A. Waigh (The University of Manchester, United Kingdom) <i>Optical coherence tomography velocimetry with complex fluids</i>
11.30 h	P. Bagchi (Rutgers University of New Jersey, Piscataway, USA) <i>Computational modeling of blood cells: From mechanics of single erythrocyte to microvascular stenosis and drug delivery</i>
12.00 h	S. Guido (University of Naples Federico II, Italy) <i>Shear-induced deformation of droplets, vesicles and red blood cells</i>
12.30 h	M. Alava (Aalto University, Espoo, Finland) <i>Modeling rheology dynamics of aggregating colloidal suspensions</i>
12.50 h	P. Linse (Lund University, Sweden) <i>Field-induced assembly of colloidal ellipsoids into well-defined microtubules</i>
13.10 h	Closing
13.20 h	Lunch
14.30 h	Departure