

Monday, May 28th, 2018

	Room Kravata	Room Penkala 1	Room Penkala 2
14:30	Welcome Gerhard Gompper Forschungszentrum Jülich		
14:40	Invited talk: Pore translocation of knotted polymers Cristian Micheletti SISSA		
15:20	Invited talk: Presentation of the new SoftComp partner – Univ. Ca' Foscari Achille Giacometti Univ. Ca' Foscari		
15:40	Coffee break		
	Network Area meetings		
	NA1: Complex liquids	NA2: Biological biomedical nanoparticles	NA4: Networks and gels
16:20	<i>NA1: Short-time self-diffusion of immunoglobulin under different crowding conditions</i> Marco Grimaldo Institute Laue-Langevin	<i>NA2: Modeling crawling cells in silico</i> Clara Abaurrea Velasco Forschungszentrum Jülich	<i>NA4: Tuning the structure of PBT/PTHF segmented copolymers: a process-oriented approach</i> Matthias Nébouy INSA-Lyon
16:40	<i>NA1: Stress-Strain behaviour of clusters formed by capillary forces: A study with MD simulations</i> Sebastian Bindgen KU Leuven	<i>NA2: The migration and invasiveness of cancer cells based on the fluorescent imaging techniques</i> Roza Pawlowska Polish Academy of Sciences	<i>NA4: Morphologies of folded flexible--stiff multiblock copolymers</i> Wolfgang Paul Univ. Halle
17:00	<i>NA1: Colours and textures in microgel suspensions</i> Quentin Nozet ESPCI	<i>NA2: Mechanics of tissue competition: The surprising role of cross adhesion</i> Jens Elgeti Forschungszentrum Jülich	<i>NA4: Thermodynamics and demixing of highly interacting polymer blends by SANS</i> Yutaka Aoki Imperial College London
17:20	<i>NA1: 3D simulation of dense granular flow in a rotating drum</i> Angelica M.G. Arseni Univ. Naples	<i>NA2: Effect of Flow on Bacterial Biofilm Formation, Morphology and Wetting Properties</i> Federica Recupido Univ. Naples	
17:40	End of the session		

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09:00	<i>Invited talk: Sticky droplets and sinking bubbles: curious physics of yield-stress fluids</i> Randy Ewoldt University of Illinois		
09:40	<i>Invited talk: Presentation of the new SoftComp partner – Univ. Lyon-Saint Etienne</i> Laurent Chazeau Univ. Lyon – Saint Etienne		
Network Area meeting			
10:00	<i>NA1: Intermittent and heterogeneous dynamics in soft glassy materials: experiment and simulations</i> Raffaele Pastore Univ. Napoli	<i>NA2: High-pressure small-angle scattering experiments to probe the supramolecular assembly of polysaccharide/surfactant systems</i> Leonardo Chiappisi Institut Laue-Langevin	<i>NA4: Exploring the synthetic pathways towards functional nanocomposites</i> Lisa Fruhner Forschungszentrum Jülich
10:20	<i>NA1: Dynamics and instabilities of viscoelastic sheets from droplets of a supramolecular organogelator solutions impacting on small solid targets</i> Ameur Louhici FORTH	<i>NA2: Phase behaviour of aqueous solutions of linear sodium alkylbenzene sulfonate under quiescent and flow conditions</i> Sepideh Khodaparast Imperial College London	<i>NA4: Uniquely developing tunable morphologies and carbon nanotube localization in biphasic polymer blends by compatibilizer grafting</i> An-Sofie Huysecom KU Leuven
10:40	<i>NA1: Fracture in three dimensions</i> Edward Muir Univ. Edinburgh	<i>NA2: Lyotropic liquid crystalline phases for the formulation of future functional foods</i> Michael Rappolt Univ. Leeds	<i>NA4: Embedding quantum dots in polymer particles by electrospraying</i> Robin Koekoekx KU Leuven
11:00	Coffee break		

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11:30	<i>NA1: PEGylated PNIPAM microgels : synthesis and solution behaviour</i> Julien El Sayed ESPCI	<i>NA2: Silk Protein Solution: A Natural Example of Sticky Reptation</i> Charley Schaefer Univ. York	<i>NA4: Imaging supramolecular nanostructures by super-resolution microscopy in organic solvents</i> Antonio Aloï TU Eindhoven
11:50	<i>NA1: Micromechanics of ultrasoft solids by infrasonic wave propagation</i> Jan Maarten van Doorn Univ. Wageningen	<i>NA2: Entropic Allosterity of Protein Binding and Elastic 'Allosteron' Networks</i> Alice von der Heydt Univ. Durham	<i>NA4: Integrative modeling of biomolecular assemblies</i> Matteo De Giacomo Univ. Durham
12:10	<i>NA1: Surfactant-activated microgels</i> Sarah Goujard ESPCI	<i>NA2: Multiscale mechanics: from single folded proteins to cross-linked protein networks</i> Lorna Dougan Univ. Leeds	<i>NA4: Fluorescence application for investigation of polyelectrolytes and interpolyelectrolyte complexes</i> Anastasiia Murmiliuk Charles University
12:30	<i>NA1: Liquid-liquid phase separation in protein solutions induced by multivalent cations</i> Olga Matsarskaia Univ. Tübingen	<i>NA2: The conformational ensemble of polyglutamines: A Monte Carlo study</i> Arne Böker Univ. Halle	<i>NA4: Coassembly of poly(methacrylic acid-co-polythyleneglycol methacrylate) and N-dodecylpyridinium chloride in aqueous solutions: Stopped flow SAXS study</i> Anastasiia Fanova Charles University
12:50	<i>NA1: A spheroidal squirmer in shear flow</i> Kai Qi Forschungszentrum Jülich	<i>NA2: Myosin 1b alters actin dynamics through catch bond-like force regulation</i> Patricia Bassereau Institut Curie	<i>NA4: Biomimetic polymer in preparation multifunctional nanoparticles</i> Radosław Mrówczyński Univ. Poznan

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15:00	Invited talk: <i>Assembly of polymers and colloids at liquid interfaces</i> Cécile Monteux ESPCI		
Network Area meeting			
15:40	<i>NA1: Rheology and microstructure of mixtures of iota and kappa-carrageenan in the presence of Calcium ions</i> Frédéric Renou IMMM	<i>NA2: Dual responsive supramolecular assembly – unveiling the fine structure of azobta fibres and their complex (dis)assembly pathways</i> Marieke Gerth TU Eindhoven	
16:00	<i>NA1: Multi-Functional Nano-Carbon Composite Materials Network (MultiComp)</i> Sharali Malik KIT	<i>NA2: SAXS-on-a-chip: probing the time evolution of the lamellar-microemulsion transition in a microfluidic device</i> Bruno Silva International Iberian Nanotechnology Laboratory	
16:20	<i>NA1: Investigating TPU microstructure and mechanical behaviour: application to bitumen modification</i> Raïssa Gallu INSA	<i>NA2: Smectic phase in suspension of gapped DNA duplexes</i> Sanja Novak Forschungszentrum Jülich	
16:40	<i>NA1: Molecular knots: discovering privileged topologies with self-assembling models</i> Cristian Micheletti SISSA	<i>NA2: RNA based nanostructures and their applications for gene expression regulation</i> Arkadiusz Chworos Polish Academy of Sciences	
17:00	End of the session		

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Wednesday, May 30th, 2018

	Room Kravata	Room Penkala 1	Room Penkala 2
09:00	<i>Invited talk: Adaptive and Autonomous Bioinspired Materials Systems</i> Andreas Walther University of Freiburg		
09:40	<i>Presentation of the new SoftComp partner</i> Laurent Chazeau INSA-Lyon		
Network Area meeting			
10:00	<i>NA1: Frank Elastic Constants of Liquid Crystals: Theory and Simulation</i> Sergei Egerov Univ. Mainz	<i>NA2: Extracellular Vesicles Visualization by Multiplex Fluorescent Tools - Conjugated Oligoelectrolytes</i> Justyna Milczarek Polish Academy of Sciences	<i>NA4: Crystallization / Gelation kinetics as a probe of the network topology in thermoplastic elastomers</i> Guilhem Baeza INSA-Lyon
10:20	<i>NA1: Ferronematic assembly in magnetically doped liquid crystals</i> Annette Schmidt Univ. Cologne	<i>NA2: Iron meets Copper in the Nanoscale towards Diverse Cuprous Nanomaterials. Comparative Bioevaluation Cu₂O vs CuFeO₂</i> Orestis Antonoglou Univ. Thessaloniki	<i>NA4: Multi-technique characterization of ionic elastomers: structure, molecular dynamics and self-healing kinetics</i> Anton Mordvinkin Univ. Poznan
10:40	<i>Size and concentration effects on particle diffusion in complex fluids as probed by magnetic particle nanorheology</i> Melissa Hermes Univ. Cologne	<i>NA2: Bimetallic nanoparticles of bio-essential metals as enhanced antimicrobial agents</i> Kleoniki Giannousi Univ. Thessaloniki	<i>NA4: Computational investigation of microgels: effect of the microstructure on the deswelling behavior</i> Angel J. Moreno Univ. San Sebastian
11:00	Coffee break		

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11:30	<i>NA1: High frequency rheometry of colloidal dispersion from hard to soft from smooth to rough</i> Jan Vermant ETH Zürich	<i>NA2: Nanoparticles at small vesicles: curvatures at play</i> Thorsten Auth Forschungszentrum Jülich	<i>NA4: Rheology of aqueous solutions containing Pluronic L64'</i> Rossana Pasquino Univ. Naples
11:50	<i>NA1: Combining optical heating and nanothermometry</i> Marta Quintanilla CIC biomaGUNE	<i>NA2: Septins sense micron scale curvature and induce vesicle deformations</i> Alexandre Beber Institut Curie	<i>NA4: Nonlinear rheology model for polydisperse polymers</i> Victor Boudara Univ. Leeds
12:10	<i>NA1: New molecular sensors for nanorheology of complex fluids</i> Pieter van der Scheer Univ. Wageningen	<i>NA2: Tension-regulated activity of the ESCRT membrane-remodelling complex</i> Paul Beales Univ. Leeds	<i>NA4: Diffusive modes for polymer rings in linear polymer matrices</i> M.Krutyeva Forschungszentrum Jülich
12:30	<i>NA1: Fast, quantitative and real-time flow imaging using Fourier-Transform Laser Speckle Imaging (FT-LSI)</i> Jesse Buijs Univ. Wageningen	<i>NA2: The Mechanics of Vesicle Blebbing</i> Sebastian Hillringhaus Forschungszentrum Jülich	<i>NA4: Effect of the nanofiller topology on the dynamics of entangled linear matrices</i> Paula Malo de Molina Univ. San Sebastian
12:50			<i>NA4: Dynamic heterogeneities in PVDF/PMMA blends in presence of nanoparticles assessed using mechanical spectroscopy</i> Maya Sharma KU Leuven

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15:00	Invited talk: <i>iPAINTing a colorful picture of soft matter with single-molecule localization microscopy</i> Ilja Voets TU Eindhoven		
Network Area meetings			
15:40			<i>NA4: Active polymer/filaments: Effect of hydrodynamics on conformations and dynamics</i> Roland Winkler Forschungszentrum Jülich
16:00			<i>NA4: New direct measurement of the layer thickness of adsorbed polymer squeezed by an oil droplet</i> Jennifer Fusier ESPCI
16:20			<i>NA4: Mechanical manipulation of director field around colloidal particles within liquid crystal elastomers</i> Nina Trbojevic Univ. Leeds
			<i>NA4: Design of biomimetic pseudopeptides to mediate membrane--active processes for intracellular delivery</i> Rongjun Chen Imperial College London
16:40	Coffee break		
17:10	End of the session		
20:00	Social dinner		

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Thursday, May 31th, 2018

	Room Kravata	Room Penkala 1	Room Penkala 2
09:00	Invited talk: <i>Surface roughness: a key property for the design of soft materials</i> Lucio Isa ETH Zürich		
09:40	Presentation of the new SoftComp web portal Angela Wenzik –Flavio Carsughi Forschungszentrum Jülich		
Network Area meeting			
10:00	<i>NA1: Unification of Lower and Upper Critical Solution Temperature Transitions in Aqueous Protein Solution</i> Nafisa Begam Univ. Tübingen	<i>NA2: Capillary Bridges on Liquid-Infused Surfaces</i> Alvin Shek Univ. Durham	
10:20	<i>NA1: Critical Behavior of Active Brownian Particles</i> Peter Virnau Univ. Mainz	<i>NA2: Exploiting complex formation between polysaccharides and protein microgels to influence particle stabilization of water in water emulsions</i> Taco Nicolai IMMM	
10:40	<i>NA1: Microscopic dynamics during the yielding of a dense glass of soft spheres</i> Laurence Ramos CNRS-Montpellier	<i>NA2: Complex multi-frequency surface patterning by wrinkling superposition</i> Luca Pellegrino Imperial College London	
11:00	Coffee break		
11:30	<i>NA1: An atomistic view of surfaces using NMR</i> Olivier Lafon Univ. Lille		
11:50	<i>NA1: Dynamics of adsorbed layer in hybrid hydrogels</i> Anne-Charlotte Le Gulluche ESPCI		
12:10	End of the session		

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