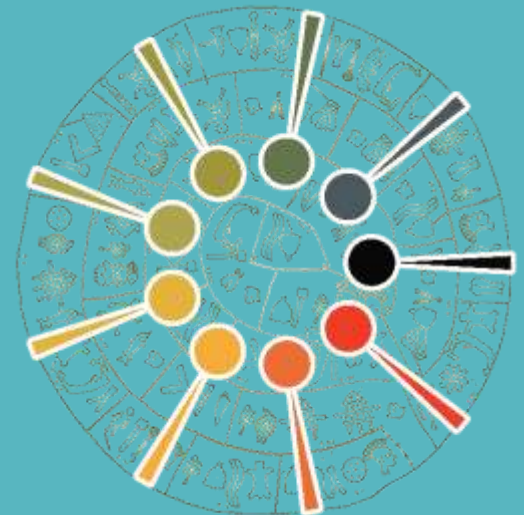


# Scientific Program

# ECIS 2022

Chania / Crete / Greece  
4-9 September 2022



09:00-19:00	<b>Registration</b>	<i>Imperial Hall, Entrance</i>
14:30-16:30	<b>Satellite Meeting</b> (Invited Talks) <i>Tribological effects on rheology of suspensions: Surface forces, contact effects, and chemical modifications</i>	<i>Imperial Hall, Room 1 (Hybrid)</i>
	<b>Chair Jeff Morris</b>	
14:30	<b>Lars Pastewska</b> <i>"How roughness affects surface forces"</i>	
15:00	<b>Lucio Isa</b> <i>"Sliding or rolling? Characterizing single-particle contacts"</i>	
15:30	<b>Emmanuel Trizac</b> <i>"Like-charge attraction: old and new"</i>	
16:00	<b>Rosa Espinosa-Marzal</b> <i>"At the intersection between nanorheology and nanotribology of ionic liquids"</i>	
16:30-17:00	<b>Coffee Break</b>	
17:00-19:00	<b>Satellite Meeting</b> (Invited Talks) <i>Tribological effects on rheology of suspensions: Surface forces, contact effects, and chemical modifications</i>	<i>Imperial Hall, Room 1 (Hybrid)</i>
	<b>Chair Lilian Hsiao</b>	
17:00	<b>Anwesha Sarkar</b> <i>"Designing biorelevant surfaces for soft tribology across length scales"</i>	
17:30	<b>Annie Colin</b> <i>"Solvent role on polymeric bead suspensions"</i>	
18:00	<b>Elisabeth Lemaire</b> <i>"Shear-thinning behaviour in non-Brownian suspensions: The role of contact forces"</i>	
18:30	<b>Heinrich Jaeger</b> <i>"Contact forces and surface interactions in dense suspensions"</i>	
19:00-20:30	<b>Welcome Reception</b>	<i>Minoa Palace Resort Beach Bar</i>

08:15-08:30	<b>Imperial Hall Room 1 (Hybrid)</b>			
	Welcome			
08:30-09:15	<b>Plenary Talk</b> <b>Chair Peter Schurtenberger</b> <b>Christos Likos, University of Vienna</b> <i>“Cluster Crystals: from a theorist’s toy model to experimental realization”</i>			
09:15-09:45	Coffee Break			
09:45-11:55	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Satellite Meeting</b> <i>“Tribological effects on rheology of suspensions: Surface forces, contact effects, and chemical modifications”</i>	<b>Self-Assembly and Supramolecular Structures</b>	<b>Wetting Phenomena, Responsive Colloids and Surfaces</b>	<b>Colloidal Dispersions, Colloidal Stability and Surface Forces</b>
	<b>Chair Annie Colin</b>	<b>Chair Anna Stradner</b>	<b>Chair Francois Lequeux</b>	<b>Chair Erin Koos</b>
09:45	<b>KN: Jacob Klein</b> <i>“Colloidal interactions and the viscoelectric effect”</i>	<b>KN: Martin Buzza</b> <i>“Defined core-shell particles as the key to complex interfacial self-assembly”</i>	<b>KN: Emilie Verneuil</b> <i>“Dramatic slowing down of oil/water/silica contact line dynamics driven by cationic surfactant adsorption on the solid”</i>	<b>KN: Wuge Briscoe</b> <i>““Centipede” statistical polymer under nano-confinement: surface forces, superlubricity, and transient interfacial gels”</i>
10:15	<b>OP: Lily Blaiset</b> <i>“Rheological and frictional behavior of soft particles”</i>	<b>OP: Marco Hildebrandt</b> <i>“Core-shell microgels as soft model colloids to study phase behaviour in dense packings via small angle X-ray scattering”</i>	<b>OP: Mugele Frieder</b> <i>“Spreading of volatile oils on swelling hydrophobic polymer brush layers”</i>	<b>OP: Yu Zhang</b> <i>“Effect of membrane stability in friction manipulation using electric fields”</i>
10:35	<b>OP: Yu-Fan Lee</b> <i>“Transient microstructure, rheology of shear-thickening colloidal suspensions by time-resolved Flow-SANS and relation to nanotribology”</i>	<b>OP: Marco Laurati</b> <i>“Tunable blunt-end interactions drive the assembly of quasi-two-dimensional dispersions of dsDNA coated colloids”</i>	<b>OP: Marion Grzelka</b> <i>“Spreading of a precursor film on controlled nanorough defects”</i>	<b>OP: Dong Woog Lee</b> <i>“Quantification of size-compatible host-guest interactions using a surface forces apparatus”</i>
10:55	<b>OP: Sam Brown</b> <i>“Surface forces and shear thickening in silica suspensions”</i>	<b>OP: Frederic Grabowski</b> <i>“Asymmetric microgels by supramolecular assembly and precipitation polymerization of pyrazole-modified monomers”</i>	<b>OP: Matthias Karg</b> <i>“Optical properties of thermoresponsive microgels: experimental and theoretical insights into the volume phase transition”</i>	<b>OP: J. Alejandro Rivera Moran</b> <i>“On the effect of morphology and particle-wall interaction on colloidal near-wall dynamics”</i>
11:15	<b>OP: Bloen Metzger</b> <i>“The Capillarytron: a new rheometer to probe the frictional rheology of colloidal suspensions”</i>	<b>OP: Chiara Moretti</b> <i>“Synthesis and self-assembly of colloidal nanoparticles into two-dimensional superlattices”</i>	<b>OP: Quinn Besford</b> <i>“Mechanofluorescent polymer brush surfaces that spatially resolve surface solvation”</i>	<b>OP: Max Martens</b> <i>“Effect of polymer chain stiffness on depletion layers and interactions in colloid-polymer mixtures”</i>
11:35	<b>OP: Yujie Jiang</b> <i>“Colloidal gels with non-sticky dopings”</i>	<b>OP: Etienne Fayen</b> <i>“Quasi-crystals in binary (non-)additive hard disk mixtures”</i>	<b>OP: Xiaomei Li</b> <i>“How spontaneous charging in sliding drops affects their motion”</i>	<b>OP: Naoyuki Ishida</b> <i>“Affinity between surface and solvent molecules dominates the interaction forces between surfaces in organic solvents”</i>

11:55-14:20	<b>Lunch Break</b>			
	<i>Minoa Palace Main Restaurant</i>			
14:20-16:30	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Satellite Meeting</b> <i>"Tribological effects on rheology of suspensions: Surface forces, contact effects, and chemical modifications"</i>	<b>Self-Assembly and Supramolecular Structures</b>	<b>Wetting Phenomena, Responsive Colloids and Surfaces</b>	<b>Colloidal Dispersions, Colloidal Stability and Surface Forces</b>
	<b>Chair Elisabeth Lemaire</b>	<b>Chair Thomas Palberg</b>	<b>Chair Tomas Corrales</b>	<b>Chair Wuge Briscoe</b>
14:20	<b>KN: Lilian Hsiao</b> <i>"Soft triborheology of elastomers with colloid-laden lubricants"</i> 	<b>KN: Janne-Mieke Meijer</b> <i>"Shape matters: tuning the self-assembly of colloidal cube superstructures"</i>	<b>KN: Bjoern Braunschweig</b> <i>"Dynamic wetting of photo-responsive arylazopyrazole monolayers is controlled by the molecular kinetics of the monolayer"</i>	<b>KN: Ramon Castaneda-Priego</b> <i>"Reversible cluster formation in colloidal dispersions with short-range attractive interactions"</i>
14:50	<b>OP: James Richards</b> <i>"Anomalous stribeck curve exponent for hydrodynamic lubrication of conformal surfaces"</i>	<b>OP: Minghan Hu</b> <i>"Multi-compartment supracapsules made from nanocapsules towards programmable release"</i>	<b>OP: Tomas Corrales</b> <i>"Nanoscale interaction of water with organic interfaces"</i>	<b>OP: Lucas Luciano Cullari</b> <i>"Kinetically arrested dispersions of carbon allotropes in aqueous solutions"</i>
15:10	<b>OP: Guillaume Ovarlez</b> <i>"Melting and shear jamming of vibrated suspensions"</i>	<b>OP: Maria Chiara Di Gregorio</b> <i>"Versatile self-assembling nanotubes responding to light stimulus: bio-origin, chirality and stability"</i>	<b>OP: Xhorxhina Shaulli</b> <i>"dSTORM super resolution microscopy of pNIPAM microgels"</i>	<b>OP: Antara Pal</b> <i>"Self-assembly and dynamics of colloidal rods"</i>
15:30	<b>OP: Meera Ramaswamy</b> <i>"Universal scaling in shear thickening suspensions"</i>	<b>OP: Patrick Hage</b> <i>"Light- and temperature-controlled self-assembly of isotropic and patchy microparticles"</i>	<b>OP: Matthieu Roche</b> <i>"Droplet dynamics on inclined soft surfaces"</i>	<b>OP: Gabriela Schmidt</b> <i>"Influence of the hardness on the crystallization behaviour of binary polystyrene microgel systems"</i>
15:50	<b>OP: Francisco Rocha</b> <i>"Shear-thickening suspensions in a large-gap Couette flow: from steadiness to unsteadiness"</i>	<b>OP: Karin Schillen</b> <i>"Condensed supramolecular helices: the twisted sisters of DNA"</i>	<b>OP: Christopher Henkel</b> <i>"Describing liquid drops on elastic substrates: Mesoscale model vs. macroscale model and experiment"</i>	<b>OP: Florian Benedetti</b> <i>"Combining force inference and holographic microscopy to measure colloidal interactions"</i>
16:10	<b>OP: Tabish Khan</b> <i>"Emergence of non-monotonic curves in the rheology of dense non-Brownian attractive suspensions"</i>	<b>OP: Stergios Pispas</b> <i>"Hyperbranched copolymer colloids"</i>	<b>OP: Yoav Tsori</b> <i>"Liquid nucleation around charged particles and electro-prewetting phase lines"</i>	<b>OP: Khushboo Suman</b> <i>"Anomalous rheological aging of a model thermoreversible colloidal gel following a thermal quench"</i> 
16:30-17:00	<b>Coffee Break</b>			

	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
17:00-19:00	<b>Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams</b>	<b>Polymers, Polyelectrolytes, Gels and Liquid Crystals</b>	<b>Wetting Phenomena, Responsive Colloids and Surfaces</b>	<b>Colloidal Dispersions, Colloidal Stability and Surface Forces</b>
	<b>Chair Job Thijssen</b>	<b>Chair Thomas Hellweg</b>	<b>Chair Doris Vollmer</b>	<b>Chair Ramon Castaneda-Priego</b>
17:00	<b>OP: Valerie Ravaine</b> <i>"Responsive microgels at drop surfaces: from Pickering emulsions to colloidosomes"</i>	<b>OP: Oleg Rud</b> <i>"Water desalination using polyelectrolyte hydrogel. Gibbs ensemble modelling"</i>	<b>OP: Periklis Papadopoulos</b> <i>"Wenzel-to-Cassie transition on lubricant-impregnated surfaces"</i>	<b>OP: Georg Papastavrou</b> <i>"The random sequential adsorption model revisited: Elucidating the substrate influence by potentiostatic control of an electrode"</i>
17:20	<b>OP: Lea Waldmann</b> <i>"Thermo-induced inversion of water-in-water emulsion stability by bis-hydrophilic microgels"</i>	<b>OP: Emmanouil Glynos</b> <i>"Single-ion electrolytes composed of polyanionic polymer particles"</i>	<b>OP: Katharina Hegner</b> <i>"Super-amphiphobic surfaces for ultrafast single bubble bursting and bulk defoaming"</i>	<b>OP: Joe Bradley</b> <i>"Sizing multimodal systems with differential dynamic microscopy"</i>
17:40	<b>OP: Marcel Rey</b> <i>"On the breaking mechanism of temperature-responsive emulsions"</i>	<b>OP: Barbara Capone</b> <i>"Design smart polymeric materials for controlled selective and reversible adsorption at the nanoscale"</i>	<b>OP: Pawan Kumar</b> <i>"Predicting Contact Angle Hysteresis via Micro-scale Interface Dynamics on Random and Periodic Rough Surfaces"</i>	<b>OP: Michael Kappl</b> <i>"Controlling supraparticles shape and structure by tuning colloidal interactions"</i>
18:00	<b>OP: Sebastian Stock</b> <i>"Incorporation of hydrophilic microgel at water in oil emulsion interface stabilized by hydrophobic nano-spheres"</i>	<b>OP: Patrick Guenoun</b> <i>"Phase separation of concentrated polymer solutions for making porous filtration membranes"</i>	<b>OP: Mohammad Abo-Jabal</b> <i>"Coupling between wetting dynamics, Marangoni vortices, and localized hot cells in volatile binary solutions drops"</i>	<b>OP: Catherine Amiel</b> <i>"Tailoring nanoparticle clustering by adsorption of poly(methacrylic acid) onto differently charged silica nanoparticles"</i>
18:20	<b>OP: Jacopo Vialetto</b> <i>"Controlling the three-dimensional shape of soft particles at fluid interfaces and how this affects their two-dimensional assembly"</i>	<b>OP: Rachel Yerushalmi-Rozen</b> <i>"Modification of acid-base equilibria of weak polyelectrolytes in complex fluids"</i>	<b>OP: Ankur Chattopadhyay</b> <i>"Drying patterns of liquid bridge: coffee ring to scallop shell"</i>	<b>OP: Marius Otten</b> <i>"Optical characterization of complex core-shell copolymer microgels"</i>
18:40	<b>OP: Alexander Petrunin</b> <i>"Ultra-low crosslinked nanogels combine polymer and particle properties as emulsion stabilizer"</i>	<b>OP: Vitaly Kocherbitov</b> <i>"Activity of water absorbed in hydrophilic glassy polymers"</i>	<b>OP: Alice Pelosse</b> <i>"Probing dissipation length-scale in spreading drops using granular suspensions"</i>	<b>OP: Magdaleno Medina-Noyola</b> <i>"Non-equilibrium dynamic arrest diagram of SALR fluids"</i>

19:00-20:30	<b>Poster Session 1</b>	
	<i>Athina Hall (Hotel-Main Building)</i>	
<b>Polymers, Polyelectrolytes, Gels and Liquid Crystals</b>		
PP 1.001	<b>Luigi Gentile</b> <i>"Pluronic F127 as a sol-gel matrix for drug delivery carriers"</i>	
PP 1.002	<b>Oleg Rud</b> <i>"Water desalination using polyelectrolyte hydrogel. Gibbs ensemble modelling."</i>	
PP 1.003	<b>Max Dombrowski</b> <i>"Nematic Lyotropic Liquid Crystal Gels"</i>	
PP 1.004	<b>Eugénia Delacou</b> <i>"Characterisation of an ultrathin polymer film using quartz crystal microbalance and phase modulation ellipsometry"</i>	
PP 1.005	<b>Nadja Wolter</b> <i>"Design of asymmetric microgels with liquid crystalline domains via precipitation polymerization"</i>	
PP 1.006	<b>Abhishek Rajbanshi</b> <i>"Thermoresponsive engineered emulsion enabled by branched copolymer surfactants"</i>	
PP 1.007	<b>Pavλί́na Marková</b> <i>"Benzoxaborole-derived drug delivery by amphiphilic block copolymers with vicinal diols"</i>	
PP 1.008	<b>Jussara Penido</b> <i>"The effect of multiphase coacervation on Complex Coacervate Core Micelles formed by surfactant and polyelectrolytes"</i>	
PP 1.009	<b>Asia Matatyaho Ya'akobi</b> <i>"Electron Microscopy Study of Boron Nitride Nanotubes Processed into Macroscopic Fibers"</i>	
PP 1.010	<b>Lisa Tran</b> <i>"Helfrich-Hurault-like undulations in cholesteric liquid crystals induced by anchoring transitions"</i>	
PP 1.011	<b>Juraj Nikolić</b> <i>"Influence of an anchoring layer on the properties of chitosan-carboxymethylcellulose multilayers"</i>	
PP 1.012	<b>Sara Del Galdo</b> <i>"Addressing the role of hydrophobic interactions to tune thermoresponsiveness in model polymeric systems"</i>	
PP 1.013	<b>Michael Stevens</b> <i>"The impact of molecular architecture of block copolymers on lubrication efficacy in non-aqueous media"</i>	
PP 1.014	<b>Edwin Johnson</b> <i>"Interrogating the factors which influence post-polymerization functionalization"</i>	
PP 1.015	<b>Corinna Dannert</b> <i>"Impact of charge in disordered peptide tails on PAMAM - DNA binding"</i>	

PP 1.016	<b>Terpsichori Alexiou</b> <i>"Solvent quality effects on DNA minicircles"</i>
PP 1.017	<b>Marcus Wanselius</b> <i>"The physicochemical aspects of subcutaneous drug delivery: Gel models and microfluidic screening tools"</i>
PP 1.018	<b>Irene Adroher-Benitez</b> <i>"Modeling adsorption and stability of polymer coatings on heterogeneous surfaces"</i>
PP 1.019	<b>Ondrej Sedlacek</b> <i>"Antifouling properties of poly(2-oxazoline)s and poly(2-oxazine)s: Direct comparison of polymer-coated gold surfaces at same coating parameters"</i>
PP 1.020	<b>Thomke Belthle</b> <i>"Counterion effects on thermoresponsive cationic microgels with ionic liquid moieties"</i>
PP 1.021	<b>Tuuva Kastinen</b> <i>"Effect of pH on the complexation and secondary structures of self-assembling polypeptides"</i>
PP 1.022	<b>Piotr Batys</b> <i>"From a single molecule to smart material - understanding the polypeptide complexes formation and properties"</i>
PP 1.023	<b>Evdokia Stefanopolou</b> <i>"GelMA-Dextran Aqueous Two-Phase Systems with Tuneable Pores Organization"</i>
PP 1.024	<b>Sandra Forg</b> <i>"Mussel-inspired stimuli-responsive PNIPAM microgels"</i>
PP 1.025	<b>Georgia Nikolakakou</b> <i>"The Effect of Macromolecular Architecture on the Conductivity-Mechanical Modulus Relationship in Single-ion Polymer Blend Electrolytes"</i>
PP 1.026	<b>Konstantina Lyroni</b> <i>"Structure and viscoelasticity of fibrillar collagen suspensions utilized in regenerative medicine scaffolds"</i>
PP 1.027	<b>Katarzyna Byś</b> <i>"Structural Transformation and Charge Regulation of Heparin- and Amino-Acid-Mimicking Polyampholytes"</i>
PP 1.028	<b>Regina Pereira</b> <i>"New wound care material based on bacterial cellulose and flavonoid rutin"</i>
PP 1.029	<b>Thierry Hellebois</b> <i>"Assessment of the muco-adhesion potential of green extracted gums from plant seeds"</i>
PP 1.030	<b>Christos Soukoulis</b> <i>"Rheological, structural and thermophysical characteristics of thermo-reversible hydrogels filled with beeswax structured oil-in-water emulsions"</i>
PP 1.031	<b>Julia Parlow</b> <i>"Novel in vitro models for subcutaneous administration – Peptide diffusion in polyelectrolyte gels"</i>
PP 1.032	<b>Ólaith Skelton</b> <i>"Differential Dynamic Microscopy to Characterise Fluctuating Nematic Liquid Crystals"</i>

PP 1.033	<b>Maria Psarrou</b> <i>"Light-cleavable polyacylhydrazone-based drug carriers"</i>
PP 1.034	<b>Malak Alaa Eddine</b> <i>"Filtration through controlled permeability hydrogels"</i>
PP 1.035	<b>Theodoros Manouras</b> <i>"Novel diblock copolymer coatings with self-renewable antimicrobial properties"</i>
PP 1.036	<b>Danila Gorgol</b> <i>"3D printed scaffolds based on graphene oxide particles and poly(styrene-butadiene-strene) thermoplastic elastomer"</i>
PP 1.037	<b>Lee Shool</b> <i>"Apparent Young-violating concave-convex switching of curved oil-water menisci"</i>
PP 1.038	<b>Zofia Krasieńska-Krawet</b> <i>"Adsorption and aggregation properties of hydrophobically functionalized polyanions. Novel materials for pH sensitive nanostructures formation."</i>
PP 1.039	<b>Clémence Le Cœur</b> <i>"Slow phase transition of Poly (methacrylic acid) in semi-diluted regime"</i>
PP 1.040	<b>Sivkova Radoslava</b> <i>"Post-polymerization modification of polymer brush surface coatings based on active esters"</i>
PP 1.041	<b>Maria Morga</b> <i>"pH-induced Changes in Formation and Stability of Polypeptide Monolayers: Experimental Studies and MD Modeling"</i>
PP 1.042	<b>Maria Morga</b> <i>"Poly-L-arginine and Poly-L-lysine Molecule Characteristics in Simple Electrolytes: Experiments and Molecular Dynamic Modeling"</i>
PP 1.043	<b>Xiangmeng Li</b> <i>"Reversible Electro-thermally Bending Soft Gripper with Triple-Layered Polymers and a Dry Adhesive Surface"</i>
PP 1.044	<b>Jonas Blahnik</b> <i>"The Impact of Surfactant-Free Mesostuctured Liquids on Free-Radical Polymerizations in Those"</i>
PP 1.045	<b>Gavino Bassu</b> <i>"Confining effects of transparent PEG hydrogels on microgel transport"</i>
PP 1.046	<b>Lilian Guillemeney</b> <i>"Synthesis, structure, and gelling power of <math>\gamma</math>-In2S3 nanoribbons with large aspect ratio"</i>
PP 1.047	<b>Roman Staño</b> <i>"Stack cluster formation in dense solutions of DNA mini-rings: a simulation study"</i>
PP 1.048	<b>Roman Staño</b> <i>"Confining effects of transparent PEG hydrogels on microgel transport"</i>



PP 1.049	<b>Raouf Nusseir</b> <i>"GSHU, a parameter to generalize and regulate the degree of enzymolysis on the granule starches"</i>
PP 1.050	<b>Pedro A. Sánchez</b> <i>"Structure and electrostatic properties of polyelectrolyte dendrimer brushes"</i> 
PP 1.051	<b>Natalie Gjerde</b> <i>"Influence of poly(<math>\epsilon</math>-caprolactone) end-groups on the temperature-induced macroscopic gelation of Pluronic in aqueous media"</i>
PP 1.052	<b>Christopher Garvey</b> <i>"Concentration dependence and anomalous diffusion in haemoglobin solutions by gradient NMR"</i> 
PP 1.053	<b>P. Zeynep Culfaz-Emecen</b> <i>"Controlled deposition of cellulose nanocrystals for tuning ultrafiltration membrane performance"</i>
PP 1.054	<b>P. Zeynep Culfaz-Emecen</b> <i>"Polyelectrolyte multilayer membranes via layer-by-layer assembly of cellulose-based polyelectrolytes"</i>
PP 1.055	<b>Pablo M. Blanco</b> <i>"Simulations and potentiometric titrations enable reliable determination of effective pKa values of various polyzwitterions"</i>
PP 1.056	<b>Raju Lunkad</b> <i>"Both Charge-Regulation and Charge-Patch Distribution Can Drive Adsorption on the Wrong Side of the Isoelectric Point"</i>
PP 1.057	<b>Saikat Chakraborty</b> <i>"Data-driven Investigations on Topologically Constrained Conformal Fluctuations in Entangled Polymer Melt"</i>
PP 1.058	<b>Ognen Pop-Georgievski</b> <i>"Biofunctional Polymer Brush Coatings on the nanoscale"</i>
PP 1.059	<b>Rui A. Gonçalves</b> <i>"Facile Control of Surfactant Packing and Adsorption Behavior"</i>
PP 1.060	<b>Maria Zoupanioti</b> <i>"Encapsulation of Phycocyanin in hydrogels"</i>
PP 1.061	<b>Loic Hilliou</b> <i>"Structure-rheology relationships in gelling carrageenan hydrocolloids"</i>

### Design and Synthesis of Colloidal Systems and Nanoparticles

PP 1.062	<b>Csilla Gyorgy</b> <i>"Adsorption of epoxy-functional block copolymer particles onto stainless steel"</i>
PP 1.063	<b>Rory McBride</b> <i>"Synthesis of high molecular weight water-soluble polymers as low-viscosity latex particles in salty media"</i>

PP 1.064	<b>Torsten Gereon Linder</b> <i>"Coreshell interfacial interpenetration control forms microgels with switchable elasticity"</i>	
PP 1.065	<b>Maria Karayianni</b> <i>"Electrostatically cross-linked chitosan nanoparticles intended for agricultural use"</i>	
PP 1.066	<b>Laura Hetjens</b> <i>"Biobased flame retardant coatings based on polyphenol-polyphosphazene colloids"</i>	
PP 1.067	<b>Federica Bertelà</b> <i>"Silver Nanoparticles stabilized with citrate and L-cysteine: structural and toxicological studies"</i>	
PP 1.068	<b>Takumi Kawamura</b> <i>"Controlling Self-Propelled Motion of Polystyrene Particles with Pt Spots Deposited by UV Irradiation Technique"</i>	
PP 1.069	<b>Marika Hosaka</b> <i>"Shape control and optical characteristics of polystyrene particles by UV irradiation and solvent immersion"</i>	
PP 1.070	<b>Takuro Kumada</b> <i>"Fabrication of Chiral Ag Nanostructures Inside of Polystyrene Particles by UV Irradiation and Optical Properties"</i>	
PP 1.071	<b>Dimitrios Selianitis</b> <i>"Dual-responsive P(DEGMA-co-DIPAEMA) hyperbranched copolymers as drug-loaded self-assembled nanocarriers"</i>	
PP 1.072	<b>Jelena Papan</b> <i>"Highly stabile colloids of barium hexaferrite nanoplatelets coated with tannic acid"</i>	
PP 1.073	<b>Evangelia Vasilaki</b> <i>"Non-cross-linked, hollow polymer capsules derived from amphiphilic 9eblock copolymer brushes in aqueous media"</i>	
PP 1.074	<b>Andrei Mitrofanov</b> <i>"Chemical Structure Engineering of Naphthalene Spacers in Low-Dimensional Perovskites"</i>	
PP 1.075	<b>Ali Zeeshan</b> <i>"Control of Particle Size, Particle Size Distribution and Morphology of Silica Coated Iron Oxide Nanoparticles"</i>	
PP 1.076	<b>Viktória Varga</b> <i>"Encapsulation of neuroactive drugs in desolvated serum album nanoparticles"</i>	
PP 1.077	<b>Kata Dorbic</b> <i>"Synthesis of polymeric particles with multiple lobes"</i>	
PP 1.078	<b>Frank D. Bradley</b> <i>"Functional Janus particles from complex emulsions: simple design of nano-to-microscale precision objects"</i>	
PP 1.079	<b>Matija Tomsic</b> <i>"Structural study of non-graphitizable carbons from corn cobs for negative sodium ion battery electrodes"</i>	
PP 1.080	<b>Matija Tomsic</b> <i>"Dispersions of Delaminated Double Hydroxides in Ionic Liquids"</i>	

PP 1.081	<b>Luca Stefanuto</b> <i>"Design and synthesis of stimuli-responsive polymers for wastewater treatment"</i>
PP 1.082	<b>Bifen Chen</b> <i>"Correlation between physicochemical and emulsion-stabilizing properties of insoluble soybean fiber obtained by different ultrasound-assisted autoclaving alkaline treatments"</i>
PP 1.083	<b>Erzsebet Illes</b> <i>"Graphite oxide/nickel ferrite nanocomposites for magnetic hyperthermia"</i>
PP 1.084	<b>Edit Csapo</b> <i>"Noble metal nanoclusters with structure-tunable fluorescent properties: synthesis, characterization and biomedical utilizations"</i>
PP 1.085	<b>Konstantia Nathanael</b> <i>"Design of experiments to model the size of AgNPs in microfluidic synthesis"</i>
PP 1.086	<b>Max Schelling</b> <i>"Inducing defects in colloidal crystals"</i>
PP 1.087	<b>Lu Peng</b> <i>"Size-Controlled Co-Fe Alloy Wrapped on Nitrogen-Doped Graphitic Carbons as Highly-Selective Catalysts for CO<sub>2</sub> Hydrogenation"</i>
PP 1.088	<b>Erzebet Illes</b> <i>"Interplay between magnetic properties and colloidal stabilization in bio-ferrofluids"</i>
PP 1.089	<b>Martin Pantov</b> <i>"Cold-bursting and double emulsion formation in mixed triglyceride particles undergoing polymorphic phase transitions"</i>
PP 1.090	<b>Loránd Románszki</b> <i>"AFM-based size statistics of Au nanoparticles generated on amino-terminated TEOS silica surfaces for biosensors"</i>

### Colloidal Dispersions, Colloidal Stability and Surface Forces

PP 1.091	<b>Shikeale Harris</b> <i>"Casein micelles under osmotic stress"</i>
PP 1.092	<b>Yulin Hu</b> <i>"The usefulness of phosphatidylcholine-depleted (PC-depleted) lecithin as low-HLB emulsifier to produce W1/O/W2 double emulsions"</i>
PP 1.093	<b>Thanasis Athanasiou</b> <i>"Probing in-cage particle dynamics in concentrated suspensions and glasses of hard spheres particles with HF rheometry"</i>
PP 1.094	<b>Thomas Palberg</b> <i>"Charging of dielectric surfaces in contact with aqueous electrolyte – the influence of CO<sub>2</sub>"</i>
PP 1.095	<b>Melis Yetkin</b> <i>"Supraparticles: Aggregation of colloids in evaporating dispersion drops"</i>

PP 1.096	<b>Caroline Hadjiefstathiou</b> <i>"Surface tension decrease with dispersed lignin colloids and their potential capacity as emulsifiers"</i>
PP 1.097	<b>Emmanouil Vereroudakis</b> <i>"Crystallizing depletion colloidal gels by shear"</i>
PP 1.098	<b>Alexis Darras</b> <i>"Physical mechanism of erythrocytes sedimentation rate"</i>
PP 1.099	<b>Chan Derek</b> <i>"Block Copolymer Nanoparticles are Effective Dispersants for Micrometer-Sized Organic Crystalline Particles"</i>
PP 1.100	<b>Ashley Mungroo</b> <i>"Binary mixture of hard and soft colloids with tuneable interactions"</i>
PP 1.101	<b>Yannick Hallez</b> <i>"Microfluidic osmotic compression of charge-stabilized colloidal dispersions: Equations of state and collective diffusion coefficients"</i>
PP 1.102	<b>Ignaas Jimidar</b> <i>"Tribocharging-induced Self-organization of Monodisperse Microspheres: Singular Systems and Binary Mixtures"</i>
PP 1.103	<b>Ignacio Martin-Fabiani</b> <i>"The role of polymer rheology modifiers in the assembly of drying binary colloidal dispersions"</i>
PP 1.104	<b>Saket Kumar</b> <i>"Rheology and structural characterization of mild solvolytically fractionated lignin dispersed in alcohols"</i>
PP 1.105	<b>Dmitrii Sychev</b> <i>"Work of adhesion in soft bodies contact scenario"</i>
PP 1.106	<b>Robert Ondok</b> <i>"Tailoring water resistance properties of environmentally friendly water-based wood adhesive"</i>
PP 1.107	<b>Tamas Oncsik</b> <i>"Designing highly water resistant PVAc wood adhesives using cellulose-based fibrous materials"</i>
PP 1.108	<b>Gabriele D'Oria</b> <i>"Evidence and modelling of physical ageing in fluid gels"</i>
PP 1.109	<b>Gabriele D'Oria</b> <i>"Abrasion phenomenon in low acyl gellan gum fluid gels"</i>
PP 1.110	<b>Valentín García-Caballero</b> <i>"Long-term stability and loading of DPPC-based liposomes"</i>
PP 1.111	<b>Iván Navarro-Arrebola</b> <i>"Properties of interfacial layer in surfactant-laden concentrate titania nanoparticle dispersions"</i>
PP 1.112	<b>Mohammad Arif Kamal</b> <i>"Translational and rotational diffusion coefficients of hematite-silica core-shell colloidal ellipsoids and the effect of polydispersity"</i>

PP 1.113	<b>Laurent Vaughan</b> <i>"Epitaxial Growth of Binary Colloidal Systems"</i>
PP 1.114	<b>Simon Becker</b> <i>"Interparticle forces in presence of polycarboxylate ethers under basic conditions"</i>
PP 1.115	<b>Kevin Graeff</b> <i>"Interactions and Structure of Foam Films stabilized by Proteins and Microgels"</i>
PP 1.116	<b>Rui Cheng</b> <i>"Refractive-index and density matching for a model colloidal system to capture gel collapse"</i>
PP 1.117	<b>Judith Houston</b> <i>"Rheology of mixed solutions of sulfonated methyl esters and betaine in relation to the growth of giant micelles"</i>
PP 1.118	<b>Veronika Yavrukova</b> <i>"Rheology of mixed solutions of sulfonated methyl esters and betaine in relation to the growth of giant micelles"</i>
PP 1.119	<b>Mohamad Danial Shafiq</b> <i>"Competitive effect of oil viscosity and interparticle interactions between carbon particles using polymer dispersant"</i>
PP 1.120	<b>Fajun Zhang</b> <i>"Dynamics of melting chocolate studied by X-ray photon correlation spectroscopy (XPCS)"</i>
PP 1.121	<b>Tobias Knapp</b> <i>"Colloidal Stability of Apolar Nanoparticles in Solvent Mixtures and Solutions of Intercalants"</i>
PP 1.122	<b>Simone Amatori</b> <i>"Exploring anisotropic growth of hydrophilic gold nanorods and their self-assembly in view of biotechnological applications"</i>
PP 1.123	<b>Luciene Lima</b> <i>"Effect of alkylphenol ethoxylated non-ionic surfactants free on the colloidal behavior of acrylic dispersions"</i>
PP 1.124	<b>Shalaka Bhargava</b> <i>"Evaporation driven instability in tear film :3D dynamics"</i>
PP 1.125	<b>Ralitsa Uzunova</b> <i>"Kinetics of transfer of volatile amphiphiles from vapors to surfactant solution drops"</i>
PP 1.126	<b>Evangelia Vasilaki</b> <i>"Anisotropic rod-like and spherical particles with temperature driven tunable interactions"</i>
PP 1.127	<b>Xuan Li</b> <i>"Brownian suspension velocity valet simulation"</i>
PP 1.128	<b>Teng Wang</b> <i>"Effect of dilution agents, fat globules and temperature on the size measurement of casein micelles via dynamic light scattering"</i>
PP 1.129	<b>Isabelle Simonsson</b> <i>"Novel investigations on the ion-specific effects on sulfate-functionalized cellulose nanocrystals"</i>

PP 1.130	<b>Minas Stylianakis</b> <i>"The Effect of rGO Addition on the Tribological Performance of a Commercialized Fully Synthetic Engine Oil"</i>
PP 1.131	<b>Paula Araujo Gomes</b> <i>"Microalgae as soft permeable particles"</i>

Theory and Multi-scale Modeling of Colloids and Interfaces	
PP 1.132	<b>Apolline Faidherbe</b> <i>"Drying of a thin film of complex fluid under an evaporation mask"</i>
PP 1.133	<b>Gunwoo Park</b> <i>"Modeling Ultrafiltration of Interacting Brownian Particles"</i>
PP 1.134	<b>Konstantia Nathanael</b> <i>"Design of experiments to model the size of AgNPs in microfluidic synthesis"</i>
PP 1.135	<b>Konstantia Nathanael</b> <i>"PBM-CFD simulations of microfluidic synthesis of AgNPs"</i>
PP 1.136	<b>Sourov Chandra</b> <i>"Giant third-harmonic generation and quantum coherent effects in ultrasmall Au<sub>6</sub> nanoclusters"</i>
PP 1.137	<b>Vittoria Sposini</b> <i>"Exploring the glassy behaviour of the Gaussian Core Model by random pinning"</i>
PP 1.138	<b>Justinas Šlepavičius</b> <i>"Are Colloidal Trimers Governed by Fickian yet Non Gaussian Dynamics?"</i>
PP 1.139	<b>Justinas Šlepavičius</b> <i>"Predicting Self-Diffusion Coefficients of Mie Spheres Using Machine Learning"</i>
PP 1.140	<b>Matteo Chamchoum</b> <i>"A Computational Model for Interpolyelectrolyte Complexes"</i>
PP 1.141	<b>Yashraj Wani</b> <i>"Self-diffusion and sedimentation of shape-anisotropic colloids"</i>
PP 1.142	<b>Carlo Andrea De Filippo</b> <i>"On the role of polydispersity on the phase diagram of low-density colloidal solutions"</i>
PP 1.143	<b>Margaritis Kostoglou</b> <i>"A Model for Bubble-Particle Collision Frequency in a Turbulent Flow Field"</i>
PP 1.144	<b>Christian Strauch</b> <i>"Ionization Equilibria and Swelling Behaviour of Weak Polyampholyte Core-shell Microgels - A Monte Carlo Study"</i>



PP 1.145	<b>Vagelis Harmandaris</b> <i>"Polymers at Interphases via Simulations Across Scales: from Atoms to Macroscopic Properties"</i>
PP 1.146	<b>Hannah Jonas</b> <i>"Predicting the anomalous chain length distributions under strong confinement using molecular simulations and Wertheim theory"</i>
PP 1.147	<b>Nikolaos Patsalidis</b> <i>"Modelling of Polymer/Alumina Interfaces via Ab-initio Calculations and Machine-learned Molecular Dynamics Simulations"</i>
PP 1.148	<b>Jack Eatson</b> <i>"Capillary assembly of anisotropic particles at cylindrical fluid interfaces"</i>
PP 1.149	<b>Pedro A. Sánchez</b> <i>"Competing dynamics at play: self-assembly of colloidal particles with mobile DNA linkers"</i>
PP 1.150	<b>Anjaiah Nalaparaju</b> <i>"In silico investigation of colloidal particle deposition and surface affinity"</i>
PP 1.151	<b>Roni Kroll</b> <i>"Liquid nucleation around charged particles in the vapor phase"</i>


Self-Assembly and Supramolecular Structures	
PP 1.152	<b>Ishi Talmon</b> <i>"How do we improve cryo-EM for nanostructural imaging of complex liquids?"</i>
PP 1.153	<b>Ronit Bitton</b> <i>"Tuning the properties of multicomponent polysaccharide/peptide self-assembled macroscopic membranes"</i>
PP 1.154	<b>Pawel Szabelski</b> <i>"From wires to fractals: modeling of the metal-organic intermediates in surface-assisted Ullmann coupling of halogenated acenes"</i>
PP 1.155	<b>Shayan Vazirieh Lenjani</b> <i>"The dominant role of electrostatic forces in supracolloidal self-assembly of polymer-functionalized Gold nanorods"</i>
PP 1.156	<b>Gal Yosefi</b> <i>"Growing on membranes: next generation cell culture scaffolds - the role of the polymers"</i>
PP 1.157	<b>Belhssen Hleli</b> <i>"Associative behavior of dodecaborate conjugates with alkyl tails"</i>
PP 1.158	<b>Žiga Medoš</b> <i>"Formation of Metallacarborane Pentamers in Water"</i>
PP 1.159	<b>Hongxiao Xiang</b> <i>"Linking Perylene Diimide to Nanoclays: Solvent-Induced Aggregation and Energy Transfer"</i>

PP 1.160	<b>Rodolfo Esposito</b> <i>"Biosurfactants in green industrial formulations: a study on Rhamnolipid-SLES mixture."</i>	
PP 1.161	<b>Lauren Matthews</b> <i>"Elucidation of self-assembly pathways in dilute cationic surfactant solutions using TR-SAXS"</i>	
PP 1.162	<b>Giulia Allegri</b> <i>"Specs of peccs"</i>	
PP 1.163	<b>Alberto Scacchi</b> <i>"Polymer length dependency of liquid-liquid phase separation and assembly of silk-like proteins"</i>	
PP 1.164	<b>Mina Fazilati</b> <i>"Phase transitions in a binary system cetyl alcohol - stearyl alcohol"</i>	
PP 1.165	<b>Cassia Lux</b> <i>"From cellulose model surfaces to elastic papers"</i>	
PP 1.166	<b>Sichao Li</b> <i>"Tuneable interphase transitions in ionic liquids/carrier systems: voltage control"</i>	
PP 1.167	<b>Roland Kádár</b> <i>"How do birefringence patterns relate to shear stress nonlinearities in optically active dispersions?"</i>	
PP 1.168	<b>Werner Kunz</b> <i>"A New Generation of Liquid Ionic Surfactants"</i>	
PP 1.169	<b>Zlatina Mitrinova</b> <i>"Interplay between cosurfactant and electrolyte for the rheological behavior of mixed surfactant systems"</i>	
PP 1.170	<b>Epameinondas Leontidis</b> <i>"Calorimetric measurements of the complexation and transfer of a europium salt in a colloidal liquid-liquid extraction system"</i>	
PP 1.171	<b>Ilaria Clemente</b> <i>"Structure, molecular packing and interactions in compartmentalized algal-based nanocarriers: a spectroscopy and calorimetry study"</i>	
PP 1.172	<b>Tomas Omasta</b> <i>"Enhanced Solubilization of Fragrances in Solutions of Sugar Surfactants in Natural Deep Eutectic Solvents (NADES)"</i>	
PP 1.173	<b>Ellen Brunzell</b> <i>"Aggregation behaviour of therapeutic peptides – A scattering approach"</i>	
PP 1.174	<b>Esmael Moghimi</b> <i>"Rings versus linear polymer chains: the role of polymer topology on depletion forces in the colloid-polymer mixtures"</i>	
PP 1.175	<b>Pavel Matejicek</b> <i>"Closo-dodecaborate(2-) as building block for preparation of diverse nanostructures of controlled shape and properties"</i>	
PP 1.176	<b>Larissa dos Santos Silva Araújo</b> <i>"Directed assembly of surfactant-cyclodextrin building blocks in solution"</i>	



PP 1.177	<b>Ekhlas Homede</b> <i>"Tunable Self-Assembly of Same Size Binary Nanoparticle Mixtures Subjected to Surface Forces in Volatile Suspensions"</i>
PP 1.178	<b>Jan Zawala</b> <i>"Experimental and theoretical study of adsorption of amino acid surfactants at air/water interface"</i>
PP 1.179	<b>Marius Schöttle</b> <i>"Macro- and mesoscopic gradients in self-assembled colloidal systems"</i>
PP 1.180	<b>Svetoslav Anachkov</b> <i>"Salt-response of anionic/zwitterionic mixtures: Rheological scaling rules"</i>
PP 1.181	<b>Chandra Shekhar</b> <i>"Droplet–Bijel–Droplet Transition in Aqueous Two-Phase Systems Stabilized by Oppositely Charged Nanoparticles"</i>
PP 1.182	<b>Maria Arnittali</b> <i>"Nanostructured Systems of Diphenylalanine Peptides and Graphene Sheets: an Atomistic Simulation Study"</i>
PP 1.183	<b>Irene Russo Krauss</b> <i>"Chemo-enzymatically produced rhamnxylosurfactants as new biosurfactants"</i>
PP 1.184	<b>Jiabao Zheng</b> <i>"Heteroprotein complex coacervation: <math>\beta</math>-conglycinin and lysozyme"</i>
PP 1.185	<b>Lidiya Dimitrova</b> <i>"Effects of salt and fragrances on formulation rheology"</i>
PP 1.186	<b>Pamela Petrova</b> <i>"Rheology of anionic/zwitterionic mixtures: Co-ion effects"</i>
PP 1.187	<b>Konstantinos Karatasos</b> <i>"Effects of the Structure of Lipid-based Agents in their Complexation with a Single Stranded mRNA fragment as studied by Molecular Dynamics Simulations"</i>
PP 1.188	<b>Robert F. Schmidt</b> <i>"Phase behaviour of a biocompatible microemulsion based on tween 20, ethylhexylglycerin and isopropyl palmitate"</i>
PP 1.189	<b>Qing Gao</b> <i>"Complexation between starch and single/binary aroma compounds: Formation and structure"</i>
PP 1.190	<b>Ruslan Kashapov</b> <i>"Amphiphilic Calix[4]resorcinol-based Nanoparticles: Synthesis, Self-assembly and Biological Properties"</i>
PP 1.191	<b>Ruslan Kashapov</b> <i>"Supramolecular Self-Assembly of Metallosurfactant and Porphyrin as a Drug Nanocontainer Design"</i>
PP 1.192	<b>Nadezda Kashapova</b> <i>"Tuning of Nanoparticles Based on Amphiphilic Calix[4]resorcinol and Octenidine for Enhanced Anticancer Activity and Selectivity"</i>
PP 1.193	<b>Irina Portnaya</b> <i>"Application of Isothermal Titration Calorimetry for Studying Drugs Encapsulation in Beta-casein Micelles"</i>

PP 1.194	<b>Hisham Idriss</b> <i>"Electronic Surfactants for Use In Soap Film Based Sensors And Devices"</i>
PP 1.195	<b>Clémence Le Cœur</b> <i>"From planar lamellar phases to multilamellar tubes to micelles: how a simple OH group can tune the structure of stearic acid based mixed systems"</i>
PP 1.196	<b>Zahra Peimanifard</b> <i>"Icosahedral supraparticles from titania-silica core-shell colloids"</i>
PP 1.197	<b>Eleni Pavlopoulou</b> <i>"The Micellization of Well-defined Single Graft Copolymers in Block Copolymer/Homopolymer Blends"</i>
PP 1.198	<b>Pooja Sahu</b> <i>"Self-assembly of asymmetric poly(styrene)-block-poly(methacrylic acid) polyelectrolyte-Neutral diblock copolymer in aqueous solution: A MD simulation study"</i>
PP 1.199	<b>Juan J. Giner-Casares</b> <i>"Interfacial Supramolecular Assembly at Air/Liquid Interfaces"</i>
PP 1.200	<b>Jose Merin</b> <i>"Evaporative self-assembly of soft colloidal monolayers: The role of particle softness"</i>
PP 1.201	<b>Daniel Morris</b> <i>"How crucial is structure? Understanding the role of dynamics and organisation for ionic liquid solvent effects on an SN2 process"</i>
PP 1.202	<b>Vlara Yordanova</b> <i>"Rheology of surfactant solutions: Effect of the counterion and surfactants head groups"</i>

Colloidal Systems in External Fields	
PP 1.203	<b>Sriram Krishnamurthy</b> <i>"Kinetics of aggregation of amyloid <math>\beta</math> under different shearing conditions: Experimental and modelling analyses"</i> 
PP 1.204	<b>Carlo Rigoni</b> <i>"Electroferrofluids with non equilibrium voltage-controlled magnetism, diffuse interfaces and patterns"</i>
PP 1.205	<b>Andrés Guerrero-Martínez</b> <i>"Colloidal Metal Nanoparticles under Ultrafast Laser Pulses"</i>
PP 1.206	<b>Marcel Herber</b> <i>"Bubble printing of MXenes for patterning conductive and plasmonic nanostructures"</i>
PP 1.207	<b>Silvia Ahualli</b> <i>"Electrokinetic and dielectric response of a concentrated salt-free colloid. Different approaches to counterion finite size effects"</i>
PP 1.208	<b>Anjali Sharma</b> <i>"Generation of local diffusioosmotic flow by light responsive microgels"</i>

PP 1.209	<b>Kazuya Okada</b> <i>"Aggregation phenomena of magnetic cubic particles in an alternating magnetic field (Brownian dynamics simulations)"</i>
PP 1.210	<b>Ignaas Jimidar</b> <i>"Vacuum-driven Dry Assembly of Electrostatically Levitated Microspheres on Perforated Devices"</i>
PP 1.211	<b>Ignaas Jimidar</b> <i>"Tribocharging-induced Self-organization of Monodisperse Microspheres: Singular Systems and Binary Mixtures"</i>
PP 1.212	<b>Emmanouil Mathioudakis</b> <i>"A rheo-confocal study of the rheological and structural properties of magnetorheological fluids"</i>
PP 1.213	<b>Rogier Delporte</b> <i>"Analysing electrophoretic deposition using transient current measurements"</i>
PP 1.214	<b>Jérôme J. Crassous</b> <i>"State diagram of soft dipolar ellipsoids"</i>
PP 1.215	<b>Smaragda-Maria Argyri</b> <i>"NMR-Lev: A tool for contactless NMR spectroscopy"</i>
PP 1.216	<b>Fran Brown</b> <i>"Comparison of the frictional properties of plant and dairy proteins"</i>
PP 1.217	<b>Pavlik Lettinga</b> <i>"The inhomogeneous rheological response of nematic platelets studied by spatial resolved Rheo-SAXS and XPCS"</i>
PP 1.218	<b>Lea Fischer</b> <i>"Rheological investigations of thermoresponsive core-shell nanoparticles in suspension at the colloidal glass transition"</i>
PP 1.219	<b>Giovanna Poggi</b> <i>"Mechanical response and yielding transition of complex systems in the non-linear regime"</i>
PP 1.220	<b>Romain Bordes</b> <i>"Design and optimization of single-node single axis levitators for contactless experiments in air"</i>
PP 1.221	<b>Akira Satoh</b> <i>"Regime change in the aggregate structure of magnetic cubic particles in a quasi-2D suspension system (Multi-particle collision dynamics simulations)"</i>
PP 1.222	<b>Norma Palmero-Cruz Caridad</b> <i>"Hydrodynamic correlations of trapped particles in optical tweezers"</i>
PP 1.223	<b>Andrés Guerrero-Martínez</b> <i>"Colloidal Metal Nanoparticles under Ultrafast Laser Pulses"</i>

## Satellite Meeting

*Tribological effects on rheology of suspensions: Surface forces, contact effects, and chemical modifications*

PP 1.224

**Simon Scherrer**

*"Measuring rolling friction of microparticles using lateral force microscopy"*

08:30-09:15	<b>Imperial Hall Room 1 (Hybrid)</b>			
	<p align="center"><b>Plenary Talk</b>  <b>Chair Elena Mileva</b>  <b>Lorna Dougan, University of Leeds</b>  <i>“Multiscale Mechanics of Protein Networks”</i></p>			
09:15-09:45	<b>Coffee Break</b>			
09:45-11:55	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams</b>	<b>Polymers, Polyelectrolytes, Gels and Liquid Crystals</b>	<b>Colloidal Systems in External Fields</b>	<b>Theory and Multi-scale Modeling of Colloids and Interfaces</b>
	<b>Chair Regine von Klitzing</b>	<b>Chair Michael Gradzielski</b>	<b>Chair Marco Laurati</b>	<b>Chair Gerhard Naegele</b>
09:45	<b>KN: Cecile Monteux</b> <i>“Leaching foams”</i>	<b>KN: Rossana Pasquino</b> <i>“On the inverse quenching technique applied to gelatin solutions”</i>	<b>KN: Ahmet Demiroers</b> <i>“External fields for assembly and manipulation at micro- and macro-scales”</i>	<b>KN: Eva Noya</b> <i>“Icosahedral quasi-crystals made of patchy colloids”</i>
10:15	<b>OP: Olivier Diat</b> <i>“Stabilization of non-ionic foam with nano-ions”</i>	<b>OP: Vincenzo Ruzzi</b> <i>“Phase behavior, microscopic dynamics and microrheological properties of a thermosensitive gel-forming polymer”</i>	<b>OP: Carlo Rigoni</b> <i>“Ferrofluidic aqueous two-phase system with ultralow interfacial tension and micro-pattern formation”</i>	<b>OP: Alvaro Dominguez</b> <i>“Colloidal monolayers: bridging the gap between two and three spatial dimensions”</i>
10:35	<b>OP: Laurence Talini</b> <i>“Mechanisms responsible for the longer lifetimes of bubbles and foams in binary liquid mixtures”</i>	<b>OP: Thomas Hellweg</b> <i>“Responsive polyacrylamide-based core-shell microgels”</i>	<b>OP: Luigi Gentile</b> <i>“Out-of-equilibrium multi-lamellar vesicles induced by shear flow”</i>	<b>OP: Remco Tuinier</b> <i>“Does the Gibbs phase rule apply to the phase behaviour of colloid-polymer mixtures?”</i>
10:55	<b>OP: Boubakar Sanogo</b> <i>“Surface-active agent’s impact on bubble break-up: from single bubble to process-scale liquid foam”</i>	<b>OP: Hamed Almohammadi</b> <i>“Shape and structural relaxation of colloidal liquid crystalline tactoids”</i>	<b>OP: Yannick Hallez</b> <i>“Shear-induced glass-to-crystal transition in anisotropic clay-like suspensions”</i>	<b>OP: Maisa Vuorte</b> <i>“Modelling colloidal adsorption in bio-oils: effect of molecular chemistry, surface geometry and hydration”</i>
11:15	<b>OP: Tetiana Mukhina</b> <i>“Phase behavior and miscibility in lipid monolayers containing glycolipids”</i>	<b>OP: Daria Noferini</b> <i>“Hydrogen dynamics in PHEMA hydrogels - How neutron spectroscopy can help in preserving precious artefacts and designing new drug delivery systems”</i>	<b>OP: Fabio Giavazzi</b> <i>“The yielding transition in soft amorphous solids under oscillatory shear: From microscopic rearrangements to macroscopic failure”</i>	<b>OP: Erin Koos</b> <i>“Yielding of capillary suspensions”</i>
11:35	<b>OP: Larissa Braun</b> <i>“Why do polyelectrolyte / surfactant mixtures form extended structures at the air / water interface?”</i>	<b>OP: Rajam Elancheliyan</b> <i>“The importance of charges in the volume phase transition of PNIPAm microgels”</i>	<b>OP: Abraham Mauleon-Amieva</b> <i>“Yielding in amorphous solids: an interparticle force determination”</i>	<b>OP: Rita Dias</b> <i>“Polyelectrolyte-nanoparticle mutual charge regulation and its influence on their complexation”</i>

11:55-14:20	<b>Lunch Break</b>			
	<i>Minoa Palace Main Restaurant</i>			
14:20-16:30	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams</b>	<b>Polymers, Polyelectrolytes, Gels and Liquid Crystals</b>	<b>Colloidal systems in External Fields</b>	<b>Theory and Multi- scale Modeling of Colloids and Interfaces</b>
	<b>Chair Zahari Vinarov</b>	<b>Chair Karin Schillen</b>	<b>Chair Roberto Cerbino</b>	<b>Chair Primoz Zihel</b>
14:20	<b>KN: Emanuel Schneck</b> <i>"Investigating biomembrane models at fluid interfaces - from bacteria surfaces to glycolipid domains to RNA delivery"</i>	<b>KN: Holger Frey</b> <i>"Watching" the formation of multiblock copolymers with up to 10 Blocks: sequences, morphology, mechanical properties"</i>	<b>KN: Roberto Piazza</b> <i>"Two-step nucleation in optothermally-driven 2D crystallization"</i>	<b>KN: Joachim Dzubiella</b> <i>"Multi-scale modeling of rates and transport of colloidal nanoreactors"</i>
14:50	<b>OP: Hannah Boyd</b> <i>"MUC5B mucin films under mechanical confinement: A combined neutron reflectometry and atomic force microscopy study"</i>	<b>OP: Michael Gradzielski</b> <i>"Self-Assembly of thermo-responsive BAB copolymers and their functioning as rheological modifiers"</i>	<b>OP: Erick Sarmiento-Gomez</b> <i>"Dynamical regimes and stochastic transitions of colloids in periodic light fields"</i>	<b>OP: Thomas Zemb</b> <i>"An explicit multi-scale evaluation of the Gibbs energy of transfer of electrolytes in liquid-liquid extraction"</i>
15:10	<b>OP: Marco Fornasier</b> <i>"Probing alpha-synuclein interactions with lipid membranes via fluorescence techniques"</i>	<b>OP: Lisa Tran</b> <i>"Helfrich-Hurault-like undulations in cholesteric liquid crystals induced by anchoring transitions"</i>	<b>OP: Iman Abdoli</b> <i>"Odd-Diffusive Systems"</i>	<b>OP: Jean-Francois Dufreche</b> <i>"Multiscale modelling of the adsorption of pheromone molecules at the water-air interface"</i>
15:30	<b>OP: Gergana Georgieva</b> <i>"Biocidal action of Ag and soap against staphylococcus aureus"</i>	<b>OP: Pierre Bauduin</b> <i>"Polymeric surfactant P84/polyoxometalate <math>\alpha</math>-PW12O403- A model system to investigate the interplay between chaotropic and hydrophobic effects"</i>	<b>OP: Vincent Niggel</b> <i>"Measuring 3D rotation of colloidal particles from 2D images"</i>	<b>OP: Raffaele Pastore</b> <i>"Fickian non-Gaussian diffusion in the presence of static and dynamic heterogeneity"</i>
15:50	<b>OP: Marie Pierre Krafft</b> <i>"Perfluorocarbon nanoemulsions activatable in microbubbles for biomedical Imaging: methods of preparation and characterization"</i>	<b>OP: Pavlik Lettinga</b> <i>"Uncovering Log Jamming in semidilute suspensions of quasi-ideal rods"</i>	<b>OP: Maria L. Jimenez</b> <i>"Anomalous rotational diffusion of non-spherical particles in viscoelastic fluids"</i>	<b>OP: Tom Höfken</b> <i>"Changes in the form factor and size distribution of nanogels in crowded environments"</i>
16:10	<b>OP: Noémie Coudon</b> <i>"Stabilization of water-in-water emulsions with fatty acid bilayers"</i>	<b>OP: Kostas Daoulas</b> <i>"Mesoscopic modeling of highly-ordered polymer sanidics and comparison with scattering data"</i>	<b>OP: Guillermo Iglesias Salto</b> <i>"Magnetic gold nanoparticles under double external stimulus: magnetic field and laser irradiation"</i>	<b>OP: Terpsichori Alexiou</b> <i>"Bottom-up coarse-grained modelling of DNA minicircles"</i>
16:30-17:00	<b>Coffee Break</b>			

	Imperial Hall Room 1 (Hybrid)	Imperial Hall Room 2	Imperial Hall Room 3	Imperial Hall Room 4
17:00-19:00	Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams	Polymers, Polyelectrolytes, Gels and Liquid Crystals	Colloidal systems in External Fields	Theory and Multi-scale Modeling of Colloids and Interfaces
	Chair Anne-Laure Fameau	Chair Kostas Daoulas	Chair Ramón Castañeda Priego	Chair Eva Noya
17:00	<b>OP: Alexandros Koutsoumpas</b> <i>"A closer look at the softening of phospholipid membranes by the adhesion of silica nanoparticles"</i>	<b>OP: Manos Anyfantakis</b> <i>"Green synthesis of thin poly(cyanoacrylate) films: patterned coatings, liquid packaging, and gas encapsulation"</i>	<b>OP: Matteo Milani</b> <i>"Drying drop of colloidal suspension"</i>	<b>OP: Gerhard Naegele</b> <i>"Clustering and dynamics in quasi-two-dimensional dispersions of proteins with competing interactions"</i>
17:20	<b>OP: Armando Maestro</b> <i>"Tailoring the interfacial assembly and the mechanical response of colloidal nanoparticles"</i>	<b>OP: Edwin Johnson</b> <i>"Dumbbell' polymer brushes: understanding the origins of non-monotonic structures"</i>	<b>OP: Jérôme J. Crassous</b> <i>"Drying of responsive microgels"</i>	<b>OP: Julian Gerhäuser</b> <i>"Analysis of the ice surface structure after binding of an antifreeze protein and its correlation with the Gibbs-Thomson equation"</i>
17:40	<b>OP: Ivan Lesov</b> <i>"Flow reactor for the preparation of lipid nanoemulsions and nanosuspensions via temperature variations"</i>	<b>OP: Irene Adroher-Benitez</b> <i>"Modeling adsorption and stability of polymer coatings on heterogeneous surfaces"</i>	<b>OP: Dominik Horinek</b> <i>"Two types of liquid-liquid phase separation induced by centrifugation"</i>	<b>OP: Sonya Tsibranska-Gyoreva</b> <i>"Monitoring freezing at surfactant-stabilized hexadecane/water interface by molecular dynamics"</i>
18:00	<b>OP: Saul Hunter</b> <i>"Long-term stability of Pickering nanoemulsions prepared using diblock copolymer nanoparticles: effect of nanoparticle core crosslinking, oil type and the role played by excess copolymer"</i>	<b>OP: Rui A. Gonçalves</b> <i>"Facile control of surfactant packing and adsorption behavior"</i>	<b>OP: Nicolas Moreno Gomez</b> <i>"Tunable payload release from antibubbles using low-intensity ultrasound"</i>	<b>OP: Ivan Palaia</b> <i>"Like-charge attraction at the nanoscale: ground-state correlations and water destructuring"</i>
18:20	<b>OP: Dilek Gazolu-Rusanova</b> <i>"Essential oil micro- and nano-emulsions formation, assisted by food grade preservatives"</i>	<b>OP: Miroslav Štěpánek</b> <i>"Structure of a comb copolymer-surfactant coacervate elucidated by DOSY NMR and neutron spin echo spectroscopy measurements"</i>	<b>OP: Romain Bordes</b> <i>"Contactless measurement of surface tension on single droplet using acoustic levitation and machine learning"</i>	<b>OP: Joao Maia</b> <i>"Confinement vs rigidity and its influence on the structure development of semi-dense and dense suspensions"</i>
18:40	<b>OP: Felix Plamper</b> <i>"Adjustable viscoelasticity of gelled liquid-liquid interfaces caused by interfacial transformations of block copolymer micelles"</i>	<b>OP: Christopher Garvey</b> <i>"Swelling behaviour of mucin particles by extended q-range small-angle neutron scattering"</i>	<b>OP: Christopher Klein</b> <i>"Non-linear rheology and rheo-combined methods applied on colloidal systems"</i>	<b>OP: Primož Zihel</b> <i>"Bronze-mean hexagonal quasi-crystals"</i>

19:00-20:30	<b>Poster Session 2</b> <i>Athina Hall (Hotel-Main Building)</i>
<b>Wetting Phenomena, Responsive Colloids and Surfaces</b>	
PP 2.001	<b>Mihail Popescu</b> <i>"Understanding the non-equilibrium interactions governing the tracer response near chemically active confined Janus particles"</i>
PP 2.002	<b>Jens Allard</b> <i>"Yielding of mono- and bidisperse capillary suspensions"</i>
PP 2.003	<b>Alexander Tesler</b> <i>"Non-toxic liquid-infused slippery coating prepared by a one-pot process prevents corrosion and marine biofouling adhesion"</i>
PP 2.004	<b>Hinduja Chirag</b> <i>"Scanning drop adhesion force instrument (sDAFI)"</i>
PP 2.005	<b>Xiaoteng Zhou</b> <i>"Fabrication of Stretchable Superamphiphobic Surfaces with Deformation-Induced Rearrangeable Structures"</i>
PP 2.006	<b>Jiang Jiatong</b> <i>"The discontinuous dewetting of a highly viscous droplet on chemically heterogeneous surfaces"</i>
PP 2.007	<b>Sushmitha Vinikumar</b> <i>"Wetting dynamics on intrinsically charged lithium niobate surfaces"</i>
PP 2.008	<b>Yifan Li</b> <i>"Surface Acoustic Wave Mitigation of Precipitate Deposition on a Solid Surface—An Active Self-Cleaning Strategy"</i>
PP 2.009	<b>Xiaomei Li</b> <i>"Adaptation and Recovery of a Styrene-Acrylic Acid Copolymer Surface to Water"</i>
PP 2.010	<b>Amin Rahimzadeh</b> <i>"Effects of Microgel Stiffness on Droplet Bouncing"</i>
PP 2.011	<b>Diego Díaz</b> <i>"Charging of drops impacting onto superhydrophobic surfaces"</i>
PP 2.012	<b>Andriani Tsompou</b> <i>"Washing cycle and temperature effect on cleaning hydrophilic surfaces with purified water grades"</i>
PP 2.013	<b>Prexa Shah</b> <i>"Hierarchical superhydrophobic composite membrane for enhanced distillation with excellent fouling resistance"</i>
PP 2.014	<b>Steffen Werner</b> <i>"A Durable, Fluorine-free and Liquid-Repellent Poly(dimethylsiloxane) Coating"</i>
PP 2.020	<b>Tomas Corrales</b> <i>"Nanoscale Interaction of Water with Organic Interfaces"</i>



PP 2.015	<b>Nikolai Kubochkin</b> <i>"Rivulets in soft and rigid nanowedges"</i>
PP 2.016	<b>Frank D. Bradley</b> <i>"Reversible chemotaxis of dynamically reconfigurable emulsion droplets"</i>
PP 2.017	<b>Franceska Gojda</b> <i>"Development of Functional Materials Surfaces"</i>
PP 2.018	<b>Maria Kaliva</b> <i>"pH-Responsive Polyesters with Alkene and Carboxylic Acid Side Groups for Tissue Engineering Applications"</i>
PP 2.019	<b>Simon Schog</b> <i>"Mechanical Properties of Microgels in Dense Monolayers"</i>

Active and Bioinspired Colloidal Systems	
PP 2.021	<b>Prajitha Mottammal</b> <i>"Torus, helical and circular trajectories generated by hydrodynamically coupled microswimmers"</i>
PP 2.022	<b>Maria Tsakiri</b> <i>"Physicochemical evaluation of genistein-loaded biomimetic lipid nanosystems."</i>
PP 2.023	<b>Ewelina Waglewska</b> <i>"Development of bile salt-origin vesicles for the encapsulation of poorly soluble sea-buckthorn pulp oil"</i>
PP 2.024	<b>Lorenzo Caprini</b> <i>"Spatial velocity order in systems of self-propelled disks"</i>
PP 2.025	<b>Hannah Jonas</b> <i>"Viscoelastic patchy particle architectures as models for living matter"</i>
PP 2.026	<b>Nelmary Roas</b> <i>"Adhesive properties of silk-mussel foot coacervates"</i>
PP 2.027	<b>Jordi Esquena</b> <i>"Water-in-water emulsions in presence of ssDNA, as synthetic models of membraneless organelles"</i>
PP 2.028	<b>Luigi Paduano</b> <i>"Extracellular polysaccharides: the origin of their distinctive physicochemical properties"</i>
PP 2.029	<b>Holly Stockdale</b> <i>"Mussel-Inspired Sticky Surfactants and Polymers for Robust Boundary Layers"</i>
PP 2.030	<b>Miriam Simon</b> <i>"A cryo-TEM study of the complexation of DOTAP liposomes with different polyelectrolytes"</i>

PP 2.031	<b>Prajitha Mottammal</b> <i>"Exhibition of the torus, helical and circular trajectories by hydrodynamically coupled microswimmers"</i>
PP 2.032	<b>Isabel K. Sommerfeld</b> <i>"Mucus-inspired self-regenerating microgel coatings"</i>
PP 2.033	<b>Rodolfo Esposito</b> <i>"Structure and dynamics of bioinspired complex mixtures: a sustainable approach to green formulation chemistry"</i>
PP 2.034	<b>Alvaro Domínguez</b> <i>"Beyond classic phoresis: new insights into self-phoresis"</i>
PP 2.035	<b>Maximilian Bailey</b> <i>"Modular, Multifunctional Microswimmers from Toposelective Nanoparticle Attachment"</i>
PP 2.036	<b>Meike Bos</b> <i>"Sticky Goblet Cells and Fluctuating Flows induce Preferred Mucus-Strand Orientations for Airway Clearance"</i>

Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams	
PP 2.037	<b>Thomas Hellweg</b> <i>"Interaction of Saponins with Different Lipid Membranes"</i>
PP 2.038	<b>Yu-Fan Lee</b> <i>"mAb-surfactant stability and rheology at the air-water interface under controlled dilation and shear deformations"</i>
PP 2.039	<b>Jérôme J. Crassous</b> <i>"Buckling and interfacial deformation of fluorescent poly(N-Isopropylacrylamide) microgel capsules"</i>
PP 2.040	<b>Pascal Panizza</b> <i>"Emulsion destruction with chemical additives: from characterization with bottle tests to modeling"</i>
PP 2.041	<b>Xueying Guo</b> <i>"Mimetic bacterial membranes challenged by multivalent cations and antimicrobial peptides: Nanostructural insights"</i>
PP 2.042	<b>Francesca Ravera</b> <i>"Microgravity Study of Emulsions Destabilisation by Diffusing Wave Spectroscopy within the EDDI Project"</i>
PP 2.043	<b>Boris Noskov</b> <i>"Properties of Protein Microgel Layers at Liquid Surface"</i>
PP 2.044	<b>Roi Bar-On</b> <i>"Theory for Heterogeneous Water/Oil Separation"</i>
PP 2.045	<b>Déborah Feller</b> <i>"Non-close packed Bravais lattices via self-assembly of core-shell microgels"</i>

PP 2.046	<b>Chunxia Su</b> <i>"Sequential adsorption of polyglycerol polyricinoleate and protein at the oil-water interface: An interfacial rheology study"</i>	
PP 2.047	<b>Michel Grisel</b> <i>"Stabilization of oil-in-water emulsions by amphiphilic xanthan synthesized under green conditions"</i>	
PP 2.048	<b>Suzanne Calhoun</b> <i>"Miscible antifoams: Leveraging evaporative solutocapillary flows for a novel antifoam mechanism"</i>	
PP 2.049	<b>Heleen Kibbelaar</b> <i>"Ethyl cellulose nanoparticles as stabilizers for Pickering emulsions"</i>	
PP 2.050	<b>Wolfgang Fieber</b> <i>"Towards an understanding of the effects of hydrophobic additives on the viscosity of surfactant gels"</i>	
PP 2.051	<b>Miriam Grava</b> <i>"pH-dependent charge and structural properties of transfection lipid layers for RNA delivery"</i>	
PP 2.052	<b>Margarethe Dahl</b> <i>"Confinement Effects on the Structure of Bicontinuous Microemulsions inside Porous Materials"</i>	
PP 2.053	<b>Magdalena Wlodek</b> <i>"Membrane fusion mediated by hydrophobic nanoparticles"</i>	
PP 2.054	<b>Saul Hunter</b> <i>"Effect of salt on the formation and stability of water-in-oil Pickering nanoemulsions stabilized by diblock copolymer nanoparticles"</i>	
PP 2.055	<b>Anshu Thapa</b> <i>"Building stable structures of ethanol-water droplets at the oil-water interface"</i>	
PP 2.056	<b>Poornima Budime Santhosh</b> <i>"Thermal and structural analysis of zwitterionic SOPC lipid membranes entrapped with gold nanoparticles"</i>	
PP 2.057	<b>Angeliki P. Chondrou</b> <i>"Effect of oscillating piston characteristics on small volume emulsion generation"</i>	
PP 2.058	<b>Mattéo Clerget</b> <i>"Destabilization of a microfluidic air thread through Marangoni effects"</i>	
PP 2.059	<b>Margaritis Kostoglou</b> <i>"Study of the stability of gas/liquid interfaces in liquid bridges using an electrical conductance method"</i>	
PP 2.060	<b>Agata Pomorska</b> <i>"Adsorption mechanism and stability of polyelectrolyte multilayers containing GTMAC modified chitosan"</i>	
PP 2.061	<b>Marco Vaccari</b> <i>"Solid foams from photocatalytic nanoparticles for luminous air purification"</i>	
PP 2.062	<b>Ognyan Petkov</b> <i>"Biomimetic membranes interacting with pro-apoptotic peptides"</i>	

PP 2.063	<b>Thodoris Karapantsios</b> <i>"Interfacial shear viscosity and surface tension measurements of anionic–nonionic surfactant binary mixtures, used as minerals flotation reagents"</i>	
PP 2.064	<b>Meyer Thomas Alting</b> <i>"Multifunctional TiO2 nanoparticles as stabilizing agents for and catalytically active phases in bijels"</i>	
PP 2.065	<b>Manon L'Estimé</b> <i>"Droplet size distribution in emulsions"</i>	
PP 2.066	<b>Jean-François Dufrêche</b> <i>"Molecular dynamics simulations of droplet coalescence"</i>	
PP 2.067	<b>Ben Humphreys</b> <i>"Following the lipolysis of a thin triolein film"</i>	
PP 2.068	<b>Francesca Ravera</b> <i>"Microgravity Study of Emulsions Destabilisation by Diffusing Wave Spectroscopy within the EDDI Project"</i>	
PP 2.069	<b>Martin Désirée</b> <i>"At interfaces absorbed microgel particles stabilize emulsions as a function of pH and microgel particle concentration"</i>	
PP 2.070	<b>Angeliki P. Chondrou</b> <i>"Design of an experimental device, qualified for parabolic flights, for the dynamic behaviour and stability study of emulsions"</i>	
PP 2.071	<b>Michael Hard</b> <i>"Photoisomerization of Arylazopyrazole Surfactants Drives Property Changes of Polyelectrolyte/Surfactant Mixtures"</i>	
PP 2.072	<b>Benjamin T. Lobel</b> <i>"Anisotropic emulsions as a template for non-spherical microcapsules"</i>	
PP 2.073	<b>Javier Carrascosa-Tejedor</b> <i>"Unprecedented three-dimensional control of polyelectrolyte/surfactant film structures"</i>	
PP 2.074	<b>Michael Hard</b> <i>"Role of Alkyl Tails on the Structure and Photoswitching Ability of Arylazopyrazole Sulfonate Surfactants at Air-Water Interfaces"</i>	
PP 2.075	<b>Glenn Coope</b> <i>"The structure and dynamic composition of lipid reservoirs mediated by lung surfactant protein-B at low surface tension"</i>	
PP 2.076	<b>Ivan Palaia</b> <i>"Durotaxis of Passive Nanoparticles on Elastic Membranes"</i>	
PP 2.077	<b>Antonia Mallardi</b> <i>"Interaction of Ssurfactants with phospholipidic vesicles: mechanism of membrane disruption"</i>	
PP 2.078	<b>Alice Requier</b> <i>"Foam coarsening in a viscoelastic medium"</i>	
PP 2.079	<b>Lukas Bange</b> <i>"Small-Angle and Inelastic Neutron Scattering from Polydisperse Oligolamellar Vesicles Containing Glycolipids"</i>	

PP 2.080	<b>Anwasha Sarkar</b> <i>"Double Pickering stabilization" of water-in-oil (W/O) emulsions using biocompatible particles"</i>	
PP 2.081	<b>Oliver Walker</b> <i>"Towards rapid prototyping of graded macroporous polymer foams"</i>	
PP 2.082	<b>Clément Goubault</b> <i>"pH-responsive emulsions from self-assembled amphiphilic bottlebrush copolymers"</i>	
PP 2.083	<b>Nikol Labecka</b> <i>"Self-assembly of phospholipid systems at drying interfaces"</i>	
PP 2.084	<b>Elisa S. Ferreira</b> <i>"Lightweight wood materials templated by wet foams"</i>	
PP 2.085	<b>Vladimír Mareček</b> <i>"Mechanism of spontaneous emulsification at surfactantless liquid/liquid interfaces"</i>	
PP 2.086	<b>Elena Mileva</b> <i>"Nanostructured Materials and Coatings Based on Synthetic Four-Antennary Peptides"</i>	
PP 2.087	<b>Dilek Gazolu-Rusanova</b> <i>"Effect of phytosterols on the rheological properties of emulsions stabilized with saponins"</i>	
PP 2.088	<b>Aleksandra Szcześ</b> <i>"The interactions of trace amounts of ionic surfactants with saturated/unsaturated PC lipid model membranes"</i>	
PP 2.089	<b>Kevin Roger</b> <i>"Macro and nanoemulsions stabilized by phospholipids"</i>	
PP 2.090	<b>Michèle Fanwa Nzokou</b> <i>"Investigating the ability of an hydrocolloid extracted from <i>Triumfetta cordifolia</i> to emulsify and stabilise emulsions"</i>	
PP 2.091	<b>Danijela Bakarić</b> <i>"UV/Vis Spectroscopy in Distinction of Lipid Bilayers Structural Features"</i>	
PP 2.092	<b>Zhiwei Huang</b> <i>"Two-Dimensional Triblock Peptide Assemblies for the Stabilization of Pickering Emulsions with pH Responsiveness"</i>	
PP 2.093	<b>Zhanar Ospanova</b> <i>"Preparation and properties of keratin foamer"</i>	
PP 2.094	<b>Laura Mortara</b> <i>"Quantifying the Bromide vs. Chloride Adsorption at Cationic Surfactant Interfaces"</i>	
PP 2.095	<b>Zeynep Culfaz-Emecen</b> <i>"Removal of perfluorinated alkyl substances (PFAS) from water using nanofiltration, foam fractionation and photochemical degradation"</i>	

## Colloids in Biomaterials and Biomedical Applications

PP 2.096	<b>Claudia Marconi</b> <i>"Innovative antimicrobials from facial steroidal surfactants"</i>
PP 2.097	<b>Yixuan Yan</b> <i>"Self-assembled mesostructure in an aqueous dispersion of the drug propranolol hydrochloride: a multi-scale approach combining experiment and simulation"</i>
PP 2.098	<b>María Martínez-Negro</b> <i>"Poly(ethylene glycol) as surfactant reduces conformational change of adsorbed proteins on nanoparticles."</i>
PP 2.099	<b>Michalina Zaborowska</b> <i>"Inhibition effect of statins on HMG-CoA reductase reconstituted in model lipid rafts"</i>
PP 2.100	<b>Marek Kindermann</b> <i>"Topical siRNA therapy for diabetic-like wound healing using copolymer-grafted nanodiamonds"</i>
PP 2.101	<b>Foteini Gkartziou</b> <i>"Co-treatment with Daptomycin and Bacteriophage K liposomes realizes superior in vitro activity compared to free actives."</i>
PP 2.102	<b>Foteini Gkartziou</b> <i>"The effect of Liposome Preparation Method on Physicochemical Properties and Antimicrobial Activity of Liposomal Moxifloxacin."</i>
PP 2.103	<b>Martyna Krajewska</b> <i>"Interactions between molecules of oleic and oleanolic acid in the pharmaceutical formulations - physicochemical perspective"</i>
PP 2.104	<b>Souhaila Nider</b> <i>"Rheological characterization of camphene-based capillary suspensions for bone implants fabrication"</i>
PP 2.105	<b>Athanasios Missirlis</b> <i>"Freeze-dried liposomal formulations loaded with Cefuroxime"</i>
PP 2.106	<b>Evangelos Natsaridis</b> <i>"Moxifloxacin liposomes prepared by a novel active-loading-microfluidic-mixing method demonstrate increased loading and sustained release kinetics."</i>
PP 2.107	<b>Monika Wasilewska</b> <i>"Electrokinetic, viscoelastic and optical properties of the biocompatible multilayers based on polysaccharides - the impact of the films on the cell adhesion"</i>
PP 2.108	<b>Matthias Barz</b> <i>"Nanomedicine based on Polypept(o)ides"</i>
PP 2.109	<b>Daniel J. Williams</b> <i>"Understanding the toxicity of drug-loaded metal-shell microcapsules."</i>
PP 2.110	<b>Sulalit Bandyopadhyay</b> <i>"Scalable Production of Silica-coated Magnetic Nanobeads and their Applications in Viral Diagnostics"</i>
PP 2.111	<b>Helena Mateos</b> <i>"Surfactant interactions with feline Coronavirus"</i>

PP 2.112	<b>Dominik L. Braunmiller</b> <i>"Pre-programmed rod-shaped microgels to create multi-directional Anisogels for 3D tissue engineering"</i>
PP 2.113	<b>Viktor Eriksson</b> <i>"Encapsulation and Sustained Release of Octenidine Dihydrochloride from PLGA Microcapsules"</i>
PP 2.114	<b>Samuel Watts</b> <i>"In situ Characterization of Viruses Colloidal Systems for Design of Antiviral Solutions"</i>
PP 2.115	<b>Ioanna Chazapi</b> <i>"Specific interactions of ionic boron clusters with proteins."</i>
PP 2.116	<b>Federica Sebastiani</b> <i>"Surface Composition of mRNA-Lipid Nanoparticles Determines Extent and Effect of Protein Binding"</i>
PP 2.117	<b>Simona Káčerová</b> <i>"Bioactive Films Based on Chitosan and Polypyrrole"</i>
PP 2.118	<b>Martina Martínková</b> <i>"Conducting film prepared in colloidal dispersion mode, the efficient way of surface functionalization"</i>
PP 2.119	<b>Leona Mahelová</b> <i>"Cytocompatibility of Polypyrrole Thin Layers Synthesized In Situ with Polyurethane Electrospun Mats"</i>
PP 2.120	<b>Inga Litzen</b> <i>"Reactive microgels as platform for design of complex cell-culture substrates using microcontact-printing and post-modification"</i>
PP 2.121	<b>Maria Psarrou</b> <i>"Polysaccharide-functionalized iron oxide nanoparticles for mRNA delivery"</i>
PP 2.122	<b>Eliézer Jäger</b> <i>"Tumour microenvironment-responsive polymer-based nanomedicines for therapeutic applications in cancer"</i>
PP 2.123	<b>Theodore Manouras</b> <i>"Novel drug delivery system based on multifunctional PEO-b-polyacetal diblock copolymers nanoparticles"</i>
PP 2.124	<b>Alessandro Jäger</b> <i>"pH-responsive giant polymer vesicles for biomedical applications"</i>
PP 2.125	<b>Karolina Krautforst</b> <i>"Liquid crystalline nanoparticles for encapsulation of pharmaceutically active compounds from marine algae"</i>
PP 2.126	<b>Pietro Milesi</b> <i>"Superfluorinated nanoprobes for T Lymphocytes tracking by 19F Magnetic Resonance Imaging"</i>
PP 2.127	<b>Sergio Murgia</b> <i>"Liquid Crystalline Nanoparticles for Photodynamic Therapy"</i>
PP 2.128	<b>Lenka Loukotov</b> <i>"Gold Nanoparticles Stabilized by Polydiacetylenes"</i>

PP 2.129	<b>Eduarda Encheva</b> <i>"Targeted drug delivery system based on bulk nanostructures formed by two-antennary oligoglycines"</i>	
PP 2.130	<b>Leon Klug</b> <i>"Polyelectrolyte polymer networks for the uptake of charged short-chained polyamides"</i>	
PP 2.131	<b>Sonya Tsibranska</b> <i>"In vitro study of triglyceride lipolysis: cholesterol lowering by phytosterols and Quillaja saponaria extract"</i>	
PP 2.132	<b>Raouf Nusseir</b> <i>"A comparison between Lutrol F-127 and <math>\beta</math>-casein micelles using Calorimetry and Cryo-EM"</i>	
PP 2.133	<b>Jennifer Gilbert</b> <i>"Lipid nanoparticles using cationic ionisable lipids: Effect of cargo on structure"</i>	
PP 2.134	<b>Kludia Kvaková</b> <i>"Fluorescent Nanodiamonds Modified with Biocompatible Polymers"</i>	
PP 2.135	<b>Martina Havlíková</b> <i>"Study of Interaction between Cationic Ion Pair Amphiphile Vesicles and Hyaluronan"</i>	
PP 2.136	<b>Adam Jugl</b> <i>"Physicochemical Study of Interactions between Catanionic Vesicles and Hyaluronan"</i>	
PP 2.137	<b>Noemi Gallucci</b> <i>"Aptamer biosensor for LPS using F-doped ZnO nanoparticles"</i>	
PP 2.138	<b>Vahid Motlaq</b> <i>"Spontaneous vesicle formation in mixture of phospholipid and amphiphilic drugs"</i>	
PP 2.139	<b>Ecaterina Gore</b> <i>"Techno-functional properties of lecithin in the context of cosmetic formulation"</i>	
PP 2.140	<b>Patrycja Gnacek</b> <i>"A physicochemical and spectroscopic characterization of novel erlotinib conjugates with platinum nanoparticles"</i>	
PP 2.141	<b>Vladimir Proks</b> <i>"Effect of surfactans on biocompatible and biodegradable poly(N5-2-hydroxypropyl-L-glutamine)-based nanogel preparation and in vivo imaging of nanogel biodistribution"</i>	
PP 2.142	<b>Eduardo Marques</b> <i>"Photochromic surfactant/monoolein nanovectors for the smart delivery of nucleic acids"</i>	

### Advanced colloid Science for Applications and Products

PP 2.143	<b>Markus Retsch</b> <i>"Colloidal Approaches towards Passive Daytime Cooling"</i>
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PP 2.144	<b>Thomas Zemb</b> <i>"Rare earth liquid-liquid phase transfer facilitated by hydrotropes for intensified processes"</i>
PP 2.145	<b>Yixuan Du</b> <i>"Assembly of polymer donor: acceptor nanoparticles for highperformance optoelectronic applications"</i>
PP 2.146	<b>Kouassi Marie-Carole</b> <i>"Polysaccharide-based microparticles as delivery systems for cosmetic actives: design, stability, interactions with cosmetic formulations"</i>
PP 2.147	<b>Anna Dzimitrowicz</b> <i>"Cold atmospheric plasma technology as a versatile approach for producing rhenium nanostructures of catalytic properties"</i>
PP 2.148	<b>Matin Mirbaha</b> <i>"Conductive hydrogel beads: New generation of flowable electrodes"</i>
PP 2.149	<b>Emre Yavuz</b> <i>"Preparation of colourful solar reflective coatings via sol-gel method"</i>
PP 2.150	<b>Katrin Laos</b> <i>"Water sorption behaviour of commercial furcellaran"</i>
PP 2.151	<b>Hans Martin Sauer</b> <i>"Printed Gloss: Pigment Alignment in Liquid Films"</i>
PP 2.152	<b>Ivan Lesov</b> <i>"Role of particles size on the cohesive strength of non-sintered (green) ceramics"</i>
PP 2.153	<b>Anna Musyanovych</b> <i>"Polymeric Capsules with VOCs for Controlled Emission"</i>
PP 2.154	<b>Mihail Georgiev</b> <i>"Phase separation of saturated micellar network and its potential applications for nanoemulsification"</i>
PP 2.155	<b>Filippo Agresti</b> <i>"PMMA nano-encapsulated phase change material colloids for heat management applications"</i>
PP 2.156	<b>Davide Schirone</b> <i>"Rational formulation of a more sustainable household cleaning product"</i>
PP 2.157	<b>Burak Akdeniz</b> <i>"Local Zeta Potential correction in Dead-end Pore"</i>
PP 2.158	<b>Tatiana Slavova</b> <i>"Enhanced solubility of methyl ester sulfonates below their Krafft points in the presence of nonionic cosurfactants"</i>
PP 2.159	<b>Martina Klučáková</b> <i>"Diffusion of pharmaceuticals in agarose hydrogels enriched by humic acids"</i>
PP2.160	<b>Lucie Delforce</b> <i>"Using the HLDN equation to design direct and reverse emulsions stabilized by highly effective dodecylglycerylether surfactant"</i>

PP 2.161	<b>Valentin Bardoula</b> <i>"Poly(2-oxazoline)s as smart PEG-alternatives: high tunability and versatility for an easy access to a wide range of hydrophilic emulsion stabilizers"</i>
PP 2.162	<b>Braulio Macias-Rodriguez</b> <i>"Structure and mechanics of double network gels from colloidal-granular particles"</i>
PP 2.163	<b>Sulalit Bandyopadhyay</b> <i>"Scalable Production of Silica-coated Magnetic Nanobeads and their Applications in Viral Diagnostics"</i>
PP 2.164	<b>Anwasha Sarkar</b> <i>"Microgels as lubricants and rheology modifiers"</i>

Composite Materials and Nanostructures		
PP 2.165	<b>Alesya Mikhailovskaya</b> <i>"Reinforced hydrogels: polymer cross-linking by emulsion droplets"</i>	
PP 2.166	<b>Krassimir Velikov</b> <i>"Edible bio-based oleofilms from cellulose microfibrils - stabilized Pickering emulsions"</i>	
PP 2.167	<b>Diane Rébiscoul</b> <i>"Thin layer of organosilane having specific functionality for the understanding of rare earth extraction"</i>	
PP 2.168	<b>Sanjay Jatav</b> <i>"Templating the Growth of Bi<sub>2</sub>MoO<sub>6</sub> with Clay-like Materials toward Sorbent Photocatalytic Composites"</i>	
PP 2.169	<b>Magdalena Zięzio</b> <i>"Synthesis and application of CoFe<sub>2</sub>O<sub>4</sub>/TiO<sub>2</sub>-doped activated carbon-based nanophotocatalysts"</i>	
PP 2.170	<b>Magdalena Zięzio</b> <i>"Pyrolysis atmosphere impact on the textural properties and the surface chemistry of activated carbons"</i>	
PP 2.171	<b>Irene López-Sicilia</b> <i>"Study of the chiro-optical and electronic properties of a solid-state o-OPE at the air-water interface"</i>	
PP 2.172	<b>Katarina Jerin</b> <i>"Influence of ionic strength and anion type on the properties of chitosan-carboxymethylcellulose nanofilm"</i>	
PP 2.173	<b>Alicja Bosacka</b> <i>"Kaolin-based composites structural, morphological, porous, thermal, and adsorption characteristics"</i>	
PP 2.174	<b>Mathieu Nespoulous</b> <i>"New porous material design via emulsion freezing"</i>	
PP 2.175	<b>Meriem Saadli</b> <i>"Hybrid soft micro-actuators with tunable response to the magnetic field"</i>	

PP 2.176	<b>Alicja Bosacka</b> <i>"Physicochemical and adsorption properties of polymer microspheres as materials for the removal of organic compounds"</i>	
PP 2.177	<b>Marta Kalbarczyk</b> <i>"The synthesis and adsorption studies of biphasic calcium phosphate material originated from avian eggshells"</i>	
PP 2.178	<b>Karolina Pietrzak</b> <i>"Chloride SCISEs based on a nanocomposite of polyaniline nanofibers and multiwalled carbon nanotubes (PANINFs-Cl:MWCNTs)"</i>	
PP 2.179	<b>Oleta Norvilaite</b> <i>"Synthesis of Micron-Sized Silica-Coated PMMA Latex Particles"</i>	
PP 2.180	<b>Karolina Pietrzak</b> <i>"Testing water samples for the content of nitrate ions using ion-selective electrodes with solid contact"</i>	
PP 2.181	<b>Markus Ahlskog</b> <i>"Conducting thin films from xylan-dispersed carbon nanotubes"</i>	
PP 2.182	<b>Gal Shachar-Michaely</b> <i>"Mixed dimensionality: Highly robust and multifunctional carbon-based composites"</i>	
PP 2.183	<b>Selim Basaran</b> <i>"Plasmonic Stimulation of Gold Nanorods for the Control of Living Materials"</i>	
PP 2.184	<b>Anna Pajor-Świerzy</b> <i>"Nanocomposite pastes based on metallic nanoparticles for fabrication of conductive coatings"</i>	
PP 2.185	<b>Evangelia Giannakaki</b> <i>"Improving the Self-healing Properties of Polyurethanes by Incorporation of Reduced Graphene Oxide"</i>	
PP 2.186	<b>Goekalp Engin Akinoglu</b> <i>"Quasi-Babinet complementary plasmonic templates: Optical properties and applications"</i>	
PP 2.187	<b>Ioannis Karnis</b> <i>"Altering the Interfacial Interactions in Polymer / Graphene Oxide Nanocomposites"</i>	
PP 2.188	<b>Ioannis Sampson</b> <i>"The interior amorphous architecture of proteinaceous adhesive marine mussel plaques"</i>	
PP 2.189	<b>Kiriaki Chrissopoulou</b> <i>"Unusual Rheological Response in PEO / SiO<sub>2</sub> nanocomposites"</i>	
PP 2.190	<b>Ágota Deák</b> <i>"Antimicrobial effect on photoreactive nanocomposite thin films"</i>	
PP 2.191	<b>Marta Kalbarczyk</b> <i>"The synthesis of zinc-doped multiphasic calcium phosphates"</i>	
PP 2.192	<b>Manuel Cano</b> <i>"Nanostructured composite materials as electrocatalysts for electrochemical energy-conversion devices"</i>	

PP 2.193	<b>Edit Csapó</b> <i>"Noble metal nanoclusters with structure-tunable fluorescent properties: synthesis, characterization and biomedical utilizations"</i>
PP 2.194	<b>Eduardo Marques</b> <i>"Colloid assembly of (GnP@MoS<sub>2</sub>)/MWNT nanocomposites and their electrocatalytic activity for energy-related oxygen reactions"</i>

Chinese-European Symposium	
PP 2.195	<b>Shuai Li</b> <i>"Enhanced condensation by rapid droplet coalescence of binary liquids on PDMS brushes"</i>

08:30-09:15	<b>Imperial Hall Room 1 (Hybrid)</b>			
	<b>Plenary Talk</b> Markus Antonietti, Max Planck Institute <i>"Making Polymer Colloids More Sustainable"</i>			
09:15-09:45	<b>Coffee Break</b>			
09:45-11:55	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Chinese-European Symposium</b>	<b>Design and Synthesis of Colloidal Systems and Nanoparticles</b>	<b>Active and Bioinspired Colloidal Systems</b>	<b>Composite Materials and Nanostructures</b>
	<b>Chair Hans-Juergen Butt</b>	<b>Chair Maud Save</b>	<b>Chair Joost De Graaf</b>	<b>Chair Andreas Fery</b>
09:45	<b>KN: Xi Zhang</b> <i>"Supramolecular polymerization at interfaces"</i>	<b>KN: Andrij Pich</b> <i>"Functional microgels with non-covalent crosslinks: Towards soft adaptive colloidal systems"</i>	<b>KN: Saskia Lindhoud</b> <i>"Separation by complexation"</i>	<b>KN: Peter Olmsted</b> <i>"Diffusion in a realistic simulated model for the stratum corneum"</i>
10:15	<b>OP: Dayang Wang</b> <i>"Counterion effect on the water wettability of polycationic surfaces"</i>	<b>OP: Fabien Dutertre</b> <i>"Chitosan-based hydrogels: Influence of crosslinking strategy on rheological properties"</i>	<b>OP: Gerald Fuller</b> <i>"In-situ magnetic microrheology of airway mucus"</i>	<b>OP: Eric Hill</b> <i>"Templated colloidal growth of semiconductors toward heterostructured nanomaterials"</i>
10:35	<b>OP: Xu Deng</b> <i>"Multi-dimensional manipulation of solid-liquid interaction"</i>	<b>OP: Selin Bulut</b> <i>"Synthesis of biocompatible dextran-based microporous microgels via microfluidics"</i>	<b>OP: Lukas Zeininger</b> <i>"Active soft colloids for the transduction of biochemical information"</i>	<b>OP: Lilian Okello</b> <i>"Design of soft homocomposite silicone gels for 3D printed architectures with magneto-capillary reconfiguration"</i>
10:55	<b>Chair Tommy Nylander</b>	<b>OP: Viktória Varga</b> <i>"Encapsulation of neuroactive drugs in desolvated serum albumin nanoparticles"</i>	<b>OP: Diana Cholakova</b> <i>"Drop self-shaping, self-bursting and swimming: simple non-living system which enlivens upon temperature variations"</i>	<b>OP: Alexander Tesler</b> <i>"Metallic nanoparticle-on-mirror: multiple-band light harvesting and efficient photocurrent generation under visible light irradiation"</i>
	<b>OP: Matthias Barz</b> <i>"Peptomices in cancer immune therapy"</i>			
11:15	<b>OP: Jingcheng Hao</b> <i>"Basic study on colloid dispersed systems stimulates chemical industrialization"</i>	<b>OP: Linda Rozenberga</b> <i>"Fluorescence and sensor properties of colloidal europium-based metal organic framework nanoparticles"</i>	<b>OP: Marie Skepö</b> <i>"Impact of multivalent ions on histatin 5 solutions – oligomerization and reentrant condensation"</i>	<b>OP: Theodora Krasia-Christoforou</b> <i>"Fabrication of electrospun organic-inorganic fibrous nanocomposites starting from highly stable colloidal solutions"</i>
11:35	<b>OP: Zhenhui Qi</b> <i>"Structural water and crown ether: new functional supramolecular assemblies"</i>	<b>OP: Rory McBride</b> <i>"Synthesis of high molecular weight water-soluble polymers as low-viscosity latex particles in salty media"</i>	<b>OP: Anna Schenk</b> <i>"Hydration responsive strain-induced self-rolling of mesostructured bio-inspired mineral sheets"</i>	<b>OP: Diane Rebiscoul</b> <i>"Colloidal sol-gel route for the synthesis of mixed actinide oxides"</i>

12:00-12:45	<b>Imperial Hall Room 1 (Hybrid)</b> <b>Plenary Talk</b> <b>Chair Tommy Nylander</b> <b>Gijsje Koenderink, TU Delft</b> <i>"The material properties of soft living matter"</i>
12:45-14:20	<b>Lunch Break</b> <i>Minoa Palace Main Restaurant</i>
13:00	<b>Excursion</b> <i>(Lunch boxes to be provided)</i>

08:30-09:15	<b>Imperial Hall Room 1 (Hybrid)</b>			
	<b>Plenary Talk</b> Chair <b>Gerald Fuller</b> <b>John F. Brady, Caltech</b> <i>"The Mechanics of Active Matter"</i>			
09:15-09:45	<b>Coffee Break</b>			
09:45-11:55	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Chinese-European Symposium</b>	<b>Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams</b>	<b>Colloids in Biomaterials and Biomedical Applications</b>	<b>Composite Materials and Nanostructures</b>
	<b>Chair Matthias Barz</b>	<b>Chair Marcel Rey</b>	<b>Chair Gerardo Palazzo</b>	<b>Chair Theodora Krasia-Christoforou</b>
09:45	<b>KN: Jianying He</b> <i>"Lowering ice and gas hydrate adhesion"</i>	<b>KN: Martin Haase</b> <i>"Separating chemicals in nanostructured, fluid-bicontinuous gels"</i>	<b>KN: Moshe Gottlieb</b> <i>"Peptide decorated silica nanoparticles as phosphate binders for the treatment of Hyperphosphatemia"</i>	<b>KN: Markus Retsch</b> <i>"Thermal transport in self-assembled materials: From high anisotropy to high temperatures"</i>
10:15	<b>OP: Tommy Nylander</b> <i>"Lipid assembly morphological changes induced by changes of the solution conditions"</i>	<b>OP: Job Thijssen</b> <i>"Bicontinuous soft solids with a gradient in channel size"</i>	<b>OP: Vasileios Koutsos</b> <i>"Microbubble agents for biomedical applications: Soft Nano/Micromechanics at the Interface"</i>	<b>OP: Gerardino D'Errico</b> <i>"Bio-inspired phenolic polymers in composite materials: from the nanostructure to the multifunctionality"</i>
10:35	<b>OP: Zihan Tan</b> <i>"An efficient multiparticle collision dynamics approach to membrane protein diffusion"</i>	<b>OP: Chandra Shekhar</b> <i>"Rheological characterization of aqueous two-phase emulgels"</i>	<b>OP: Peter Schurtenberger</b> <i>"Charge effects on stability and self-assembly of antibodies in solutions – a colloid approach"</i>	<b>OP: Marco Lattuada</b> <i>"Preparation of structured biomimetic composite materials through magnetic control of sol-gel phase transitions"</i>
10:55	<b>Chair Jianying He</b>	<b>OP: Cheng Cheng</b> <i>"Understanding the early growth of gold films to provide thin impermeable metal films onto emulsions"</i>	<b>OP: Javier Reguera</b> <i>"Morphological control in multifunctional iron oxide: gold nanoparticles for theranostics"</i>	<b>OP: Anastasia Rissanou</b> <i>"Conformations and dynamics of polymer chains in cis and trans polybutadiene/silica nanocomposites through atomistic simulations"</i>
	<b>OP: Liu Jie</b> <i>"Durable liquid-repellent poly(dimethylsiloxane) coating with anti-fouling and anti-icing performances"</i>			
11:15	<b>OP: Lan Yang</b> <i>"Bumpy colloids: synthesis and their applications"</i>	<b>OP: Yanyan Liu</b> <i>"Diffusion across particle-laden interfaces in Pickering emulsions"</i>	<b>OP: Valentina Nigro</b> <i>"Thin films of PNIPAM microgels for biocompatible nuclear track detectors in radiobiology"</i>	<b>OP: Loic Hilliou</b> <i>"Dispersion mechanism of organogel in a polymer nanocomposite studied by in-extruder rheo-optical characterization"</i>
11:35	<b>OP: Xurui Zhang</b> <i>"Tunable mobility of bubble surface and inward flow in ethanol-NaCl aqueous solution"</i>	<b>OP: Raj Tadi</b> <i>"No silver bullet: compositional ripening in water-in-oil systems"</i>	<b>OP: Zahari Vinarov</b> <i>"Colloids and interfaces: the missing link in understanding how advanced oral formulations improve drug absorption"</i>	<b>OP: Oren Regev</b> <i>"Compression-enhanced thermal conductivity of carbon loaded polymer composites"</i>

11:55-14:20	<b>Lunch Break</b>			
	<i>Minoa Palace Main Restaurant</i>			
14:20-16:30	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Self-Assembly and Supramolecular Structures</b>	<b>Colloids at Interfaces, Membranes and Biointerfaces, Emulsions and Foams</b>	<b>Colloids in Biomaterials and Biomedical Applications</b>	<b>Advanced Colloid Science for Applications and Products</b>
	<b>Chair Lucio Isa</b>	<b>Chair Diana Cholakova</b>	<b>Chair Peter Schurtenberger</b>	<b>Chair Deniz Z. Gunes</b>
14:20	<b>KN: Thomas Palberg</b> <i>"Writing in water"</i>	<b>KN: Pierre Haas</b> <i>"Theory of shape-shifting droplets"</i>	<b>KN: Aristotelis Xenakis</b> <i>"Nanodispersions as effective vehicles for drug delivery"</i>	<b>KN: Krassimir Velikov</b> <i>"Advanced structuring technologies at micro- and nano-scale for product functionality control"</i>
14:50	<b>OP: Faniry Andriamiseza</b> <i>"From wet spinning to 3D printing of carbohydrate supramolecular hydrogels"</i>	<b>OP: Luigi Cristofolini</b> <i>"Droplet dynamics and emulsion ageing in microgravity by DWS experiments onboard the international spaces station"</i>	<b>OP: Davide Orsi</b> <i>"Nanostructures for X-ray photodynamic therapy characterized by direct detection of singlet oxygen during radiotherapy"</i>	<b>OP: Yanshen Zhu</b> <i>"Utilising inorganic perovskite quantum dots as a 2D high-sensitivity optical heat flux meter"</i>
15:10	<b>OP: Franziska Gröhn</b> <i>"Self-Assembled nano-objects for solar energy conversion: Photocatalysis and switchability in aqueous solution"</i>	<b>OP: Léa Delance</b> <i>"Uptake kinetics of spontaneously emulsified microdroplets at an air interface"</i>	<b>OP: Fernando Giacomelli</b> <i>"Engineering of pH-triggered nanoplatfoms based on novel poly (2-methyl-2-oxazoline)-b-poly[2-(diisopropylamino) ethyl methacrylate] copolymers with tunable morphologies for biomedical applications"</i>	<b>OP: Peter Mario Worsch</b> <i>"Rheo-SAXS study of lamellar-to-onion structure changes"</i>
15:30	<b>OP: Chloé Guzelot</b> <i>"Development of cross-linked porous materials for membrane filtration: polymerization of microemulsions using non-polymerizable surfactants"</i>	<b>OP: Eli Sloutskin</b> <i>"Self-positioning of colloids and fluorophores on interfacially-frozen alkane-in-water liquid spheres"</i>	<b>OP: Beatrice Lucia Bona</b> <i>"Nanotherapeutics for cardiac pathologies: from NP development to their biological behaviour comprehension"</i>	<b>OP: Rut Besseling</b> <i>"Spatially resolved dynamic light scattering: characterizing colloids over unprecedented ranges of turbidity and flow"</i>
15:50	<b>OP: Maeva Lafitte</b> <i>"Self-assembled nano-colloidal resonators for advanced metasurfaces"</i>	<b>OP: Katherine Lefroy</b> <i>"'Hydrophobic' cellulose microgels: the influence of particle size on water-in-oil emulsion stability"</i>	<b>OP: Pavel Švec</b> <i>"XMaNs - Universal lipid nanoparticles for nucleic acid delivery"</i>	<b>OP: Marek Bekir</b> <i>"Potential filtration technique for microparticles of equal size but different surface modifications"</i>
16:10	<b>OP: Lucie Laporte</b> <i>"Influence of lead driers on oil paints' properties: Correlating supramolecular organization and rheology"</i>	<b>OP: Julian Wailliez</b> <i>"Probing surfactant dynamics through interfacial surface tension using millifluidic elongational flow"</i>	<b>OP: Gerardo Palazzo</b> <i>"Unusual gold nanoparticle-antibody interactions"</i>	<b>OP: Tamas Szabo</b> <i>"Langmuir-Blodgett and LbL deposition of graphene based conductive semitransparent coatings"</i>
16:30-17:00	<b>Coffee Break</b>			



	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
17:00-19:00	<b>Self-Assembly and Supramolecular Structures</b>	<b>Design and Synthesis of Colloidal Systems and Nanoparticles</b>	<b>Colloids in Biomaterials and Biomedical Applications</b>	<b>Advanced Colloid Science for Applications and Products</b>
	<b>Chair Lucio Isa</b>	<b>Chair Andrij Pich</b>	<b>Chair Kevin Roger</b>	<b>Chair Krassimir Velikov</b>
17:00	<b>OP: Roland Kádár</b> <i>"How do birefringence patterns relate to shear stress nonlinearities in optically active dispersions?"</i>	<b>OP: Spyridon Varlas</b> <i>"Polymerization-induced self-assembly and disassembly during the synthesis of thermo-responsive ABC triblock copolymer nano-objects in aqueous solution"</i>	<b>OP: Jiankang Song</b> <i>"Depletion interaction mediated micronization of proteins"</i>	<b>OP: Andrew Clarke</b> <i>"A microstructural investigation of an industrial attractive gel at pressure and temperature"</i>
17:20	<b>OP: Cosima Stubenrauch</b> <i>"Transition from a sponge-like to a foam-like nanostructure in water-rich L3 phases"</i>	<b>OP: M. Ali Aboudzadeh</b> <i>"Design of photosensitizer-based core-shell latex particles by PISA in alcoholic dispersion polymerization"</i>	<b>OP: Simona Sennato</b> <i>"A novel approach for the determination of number concentration of liposomes by Laser Transmission Spectroscopy"</i>	<b>OP: Nicolas Bremond</b> <i>"Shaping alginate hydrogel and tuning its properties for the design of a tubular bioreactor"</i>
17:40	<b>OP: Ilan Shumilin</b> <i>"Modifying macrocycle stability and supramolecular chemistry in a deep eutectic solvent"</i>	<b>OP: Claire Council</b> <i>"Extrusion: A new method for rapid formulation of high-yield, monodisperse nanobubbles"</i>	<b>OP: Dorota Matyszczyńska</b> <i>"Factors determining the interactions of drugs used to treat chronic obstructive pulmonary disease with model lung surfactants"</i>	<b>OP: Ignacio Martín-Fabiani</b> <i>"The role of polymer rheology modifiers in the assembly of drying binary colloidal dispersions"</i>
18:00	<b>OP: Otto Glatter</b> <i>"Inverse internally self-assembled particles (ISAsomes)"</i>	<b>OP: Csilla Gyorgy</b> <i>"RAFT dispersion polymerization of methyl methacrylate in mineral oil"</i>	<b>OP: Marta Szczęch</b> <i>"Polymeric-based nanocarriers for the treatment of the central nervous system disorders"</i>	<b>OP: Werner Kunz</b> <i>"Organic reactions and radical polymerizations in surfactant-free, mesostructured liquids"</i>
18:20	<b>OP: Marco Manca</b> <i>"Optical tweezer platform for the characterization of pH-triggered colloidal transformations in the oleic acid / water system"</i>	<b>OP: Nicole Janoszka</b> <i>"Mesoporous multicompartiment microparticles of semi-crystalline triblock terpolymers"</i>	<b>OP: Charaf Eddine Merzougui</b> <i>"Small-angle X-ray scattering (SAXS) to explore blood proteins interactions with polymers"</i>	<b>OP: Gergana Radulova</b> <i>"Rheological properties of micellar solutions and bicontinuous micellar phases"</i>
18:40	<b>OP: Julia Sabadini</b> <i>"Morphological transition in ethoxylated cocervate core micelles"</i>	<b>OP: Shaghayegh Hamzehlou</b> <i>"Monte Carlo simulation of the microstructure of bio-versus petroleum-based (meth)acrylates synthesized by emulsion polymerization"</i>	<b>OP: Nihal Aydoğan</b> <i>"Synergistic Therapy of Breast Cancer by NIR-Responsive Nanostructured Lipid Carriers Containing Gold Nanorods"</i>	<b>OP: Jesus F. Ontiveros</b> <i>"Dynamic phase inversion as a tool to track the "optimal formulation" of microemulsions. Practical applications"</i>
19:00-20:00	<b>General Assembly</b>			
	<i>Imperial Hall Room 1</i>			
20:00	<b>Conference Dinner</b>			
	<i>"Sapel" Beach Restaurant</i>			

09:00-09:45	<b>Imperial Hall Room 1 (Hybrid)</b>			
	<b>Award Talk</b> <b>Overbeek Gold Medal</b> <b>Chair Dganit Danino</b> <b>Hans-Juergen Butt, Max Planck Institute</b> <i>“Electrostatic charging: the source of the missing force on moving drops”</i>			
09:45-10:15	<b>Coffee Break</b>			
10:15-12:25	<b>Imperial Hall Room 1 (Hybrid)</b>	<b>Imperial Hall Room 2</b>	<b>Imperial Hall Room 3</b>	<b>Imperial Hall Room 4</b>
	<b>Colloids in Biomaterials and Biomedical Applications</b>	<b>Design and Synthesis of Colloidal Systems and Nanoparticles</b>	<b>Active and Bioinspired Colloidal Systems</b>	<b>Advanced Colloid Science for Applications and Products</b>
	<b>Chair Simona Sennato</b>	<b>Chair Franziska Gröhn</b>	<b>Chair Daniel Harries</b>	<b>Chair Piotr Warszyński</b>
10:15	<b>KN: Sabrina Pricl</b> <i>“Wolf in sheep’s clothing. From the design concept to in vivo performance of self-assembled nanotechnology for cancer theranostics”</i>	<b>KN: Benjamin Abecassis</b> <i>“Persistent nucleation and size dependent attachment kinetics produce monodisperse PbS nanocrystals”</i>	<b>KN: Joost De Graaf</b> <i>“Understanding enhanced rotational dynamics of active probes in rod suspensions”</i>	<b>KN: Anne Laure Fameau</b> <i>“Non-aqueous foams stabilized by crystalline particles: from design to applications”</i>
10:45	<b>OP: Radiom Milad</b> <i>“Genetic or chemical conjugation influences the nanomechanics of virus-like particle (VLP) vaccines”</i>	<b>OP: Martin Reifarth</b> <i>“Multi-functional patchy SiO<sub>2</sub> particles: Fabrication via microcontact printing and directed self-assembly”</i>	<b>OP: Arturo Moncho-Jorda</b> <i>“Controlling the structure, phase behavior and dynamics of soft colloids by active interaction switching”</i>	<b>OP: Eva Judy</b> <i>“Mechanistic aspects of drug encapsulation in colloidal assemblies”</i>
11:05	<b>OP: Andreas Stadler</b> <i>“Effect of red blood cell shape changes on hemoglobin interactions and dynamics: a neutron scattering study”</i>	<b>OP: Maria Karayianni</b> <i>“Development of double hydrophilic block copolymer/porphyrin ion complex micelles towards photofunctional nanoparticles”</i>	<b>OP: Edward Ong</b> <i>“Can activity in a 3D dense suspension of Quincke rotors cause thickening or dethickening?”</i>	<b>OP: Mingyu Yuan</b> <i>“In-situ investigation of Ca<sup>2+</sup> effects on humic acid aggregation with polyelectrolyte for water treatment”</i>
11:25	<b>OP: Aneta Michna</b> <i>“Adsorption kinetics of neurotrophins on polyelectrolyte multilayers- the impact of films on neuroblastoma cell viability”</i>	<b>OP: Kornelia Gawlitza</b> <i>“Fluorescent molecularly imprinted polymer particles for direct detection of glyphosate in organic solvents and water”</i>	<b>OP: Antoine Deblais</b> <i>“Chromatographic separation of active polymer-like worm mixtures by contour length and activity”</i>	<b>OP: Igor Siretanu</b> <i>“Facet-dependent surface charge and hydration of colloidal nanoparticles at variable pH”</i>
11:45	<b>OP: Kevin Roger</b> <i>“Assessing suspension and infectivity times of virus-loaded aerosols involved in airborne transmission”</i>	<b>OP: Krzysztof Szczepanowicz</b> <i>“Sequential adsorption of charged nanoobjects as a method of functionalization of drug delivery systems”</i>	<b>OP: Andreas Zöttl</b> <i>“Role of self-generated fluid flows in active colloids moving through polymer networks”</i>	<b>OP: Georgios Bokias</b> <i>“Novolac-based microcapsules containing isocyanate reagents for self-healing applications”</i>
12:05	<b>OP: Agata Baryzewska</b> <i>“Dynamic Janus emulsions as foodborne bacteria sensors via targeting exoenzyme production”</i>	<b>OP: Fabian Sobotta</b> <i>“Polymerization-induced electrostatic self-assembly”</i>	<b>OP: Mihail Popescu</b> <i>“Understanding the non-equilibrium interactions governing the tracer response near chemically active confined Janus particles”</i>	<b>OP: Maud Save</b> <i>“Design of colloidal molecularly imprinted polymer colloids as biomimetic sorbent for recognition and separation of nonylphenol pollutant”</i>

	<b>Imperial Hall Room 1 (Hybrid)</b>
12:30-13:15	<p style="text-align: center;"><b>Award Talk</b>  <b>Chair Epameinondas Leontidis</b>  <b>Solvay Prize</b>  <b>Patrick B. Warren, STFC Hartree Centre</b>  <i>“Colloidal diffusiophoresis – a brief history and recent applications”</i></p>
13:15-13:45	<p style="text-align: center;"><b>Closing Ceremony &amp; Prizes</b></p> <p style="text-align: right;"><i>Imperial Hall Room 1</i></p>
13:45-14:05	<p><b>Sotirios Kiokias, Overview of Marie Skłodowska-Curie Actions (MSCA) in Horizon Europe/ Focus on MSCA “Staff Exchanges-SE” Action.</b>  <i>European Research Executive Agency/European Commission (Brussels)</i></p> <p style="text-align: right;"><i>Imperial Hall Room 4</i></p>
13:45-15:00	<p style="text-align: center;"><b>Lunch Break</b></p> <p style="text-align: right;"><i>Minoa Palace Main Restaurant</i></p>
	<b>End of Conference</b>