SoftComp
SOFT MATTER COMPOSITES

EUSOMI

Annual Meeting 2026

CEST	Monday 18/5			Tuesday 19/5			Wednesday 20/5			Thursday 21/5	
				09:00-09:45	Plenary 2 ZARE		09:00-09:45	Plenary 4 VAN DEN LINDEN		09:00-09:45	Plenary 6 SALENTINIG
	Arrival and registration			09:45-10:45	Young Scientists		09:45-10:55	Food Science	Glasses, Colloids and Self-Assembly	09:45-10:55	New Methods and Techniques & Synthesis / Biological Soft Matter
				10:45-11:15	Coffee break		10:55-11:25	Coffee break		10:55-11:25	Coffee break
				11:15-12:55	Young Scientists		11:25-12:45	Food Science	Glasses, Colloids and Self-Assembly	11:25-12:45	New Methods and Techniques & Synthesis / Biological Soft Matter
12:30-14:00	Lunch			12:55-14:00	Lunch break		12:45-14:00	Lunch break		12:45-13:00	Closing remarks
14:00-14:15	Opening remarks									13:00	Lunch
14:15-15:00	Plenary 1 HEIDEN-HECKT			14:00-14:45	Plenary 3 NICOLAI		14:00-14:45	Plenary 5 FISCHER			
				14:45-15:00	Plenary SoftComp Road Map (15 min)						
15:00-15:50	Gels and Networks	Surfaces, Interfaces, and Emulsions		15:00-16:10	Biological Soft Matter	Polymers and Biopolymers	14:45-15:55	Food Science	Polymers and Biopolymers		
15:50-16:20	Coffee break			16:10-16:40	Coffee break		15:55-16:25	Coffee break			
16:20-17:40	Gels and Networks	Surfaces, Interfaces, and Emulsions		16:40-18:00	Biological Soft Matter	Polymers and Biopolymers	16:25-17:45	Glasses, Colloids and Self-Assembly	Polymers and Biopolymers		
17:40-20:00	Posters and Networking	NCC Meeting		17:45-20:00	Research Road Map: hands off session	Posters and Networking	17:25-20:00	Posters and Networking	NGB Meeting		
20:00	Dinner			20:00	Dinner		20:00	Conference Dinner			

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Annual Meeting 2026, Monday 18 May

Start time	End time	Title of contribution	Speaker first name	Speaker family name	Start time	End time	Title of contribution	Speaker first name	Speaker family name
		Arrival anf registration							
12:30	14:00	Lunch							
14:00	14:10	Opening remarks							
14:10	14:15	Useful information							
14:15	15:00	Structure and dynamics of food colloids	Theresia	Heiden-Hecht	Chair person: Tommy Nylander - room Rysy				
15:00	**17:40**	**Gels and Networks (Chair Tommy Nylander) - room Rysy**			**15:00**	**17:40**	**Surfaces, Interfaces, and Emulsions (Chair Christophe Chassenieux) - room Granaty**		
15:00	15:30	Chiral Response in Ferrogel Torsional Actuators under Uniaxial Magnetic Fields	Alberto	Leon-Cecilla	15:00	15:30	Dirty Linen: evaporation and imbibition of blood droplets from and into fabrics	Simon	Titmuss
15:30	15:50	Field Induced Rheology of Magnetorheological Fluids with Size-Dependent Microstructural Evolution	Stefania	Scala	15:30	15:50	Protein corona of Hevea brasiliensis field latex	Tanaporn	Lekchupol
15:50	16:20	Coffee break							
16:20	16:40	Viscoelasticity and Fluorescence of polymer-based magnetically switchable soft composite	Matthieu	Kermarrec	16:20	16:40	Studying adhesion patches between DNA-coated colloidal droplets using optical tweezers	Jose	Muñetón-Díaz
16:40	17:00	Synthesis and properties of chitosan-based hydrogels and microgels with controlled microstructure	Inès	Elharar	16:40	17:00	Probing the nanoscale structure of microgels at the air-liquid interface: In situ X-ray reflectometry	Hayden	Robertson
17:00	17:20	Chitosan-Based Eutectic Gels for Neuromorphic BioElectronics	Antonella	Dadduzio	17:00	17:20	From Tip to Ship: Characterisation of new Zinc-PDMS Anti-fouling Coatings After Ageing	Benjamin	Devenish
17:20	17:40	Aging in Aqueous Capillary Suspensions Revealed by Spatially Resolved Laser Speckle Imaging	Leonardo	Ruiz-Martinez	17:20	17:40	Slip dynamics in soft arrested materials under squeeze-flow deformation	ISHU	Chaudhary
17:40	20:00	Posters and networking - room Kasprowy & Giewont							
18:00	20:00	Network Coordination Committee (NCC)							
20:00		Dinner							

Annual Meeting 2026, Tuesday 19 May

Start time	End time	Title of contribution	Speaker first name	Speaker family name	Start time	End time	Title of contribution	Speaker first name	Speaker family name
09:00	09:45	Antifoam in food: How it breaks the bubble	Davoud	Zare	Chair person: Christophe Chassenieux - room Rysy				
09:45	**12:55**	**Young Scientists - room Rysy**							
09:45	10:05	Magnetic Hyperthermia in Soft Matter: A Physics-Informed Machine Learning Approach	Joan	Roux	Chair person: Agnese Pedato & Louise Overzet				
10:05	10:25	Optimization of Existing Cyclic Peptide Binders Using a Structure-Guided Design Approach	Silvia	Multari					
10:25	10:45	Dynamics of highly viscous shear thickening droplet impact on a solid surface	Quanrun	Dong					
10:45	11:15	Coffee break							
11:15	11:35	Development of model systems and testing protocols for optimizing skin interactions with absorbent hygiene products	Agnese	Pedato	Chair person: Joan Roux & Silvia Multari				
11:35	11:55	Thermal Signatures of Mucin-Based Samples Studied by Differential Scanning Calorimetry	Giorgia	Franzino					
11:55	12:15	Design and functions via frontal photopolymerisation: from printing to locomotion	Muhammad Ghifari	Ridwan					
12:15	12:35	From Nature to Nurture: Biomimetic Viscoelastic Scaffolds for Lung Tissue Regeneration	Louise	Overzet					
12:35	12:55	An effective volume fraction controls both dynamics and thermodynamics in vesicles suspensions with tunable electrostatic interactions	Annachiara	Siciliano					
12:55	14:00	Lunch break							
14:00	14:45	Gels, microgels and microcapsules from rapeseed proteins	Taco	Nicolai	Chair person: Stephan Förster - room Rysy				
14:45	15:00	Research Roadmap for SoftComp Consortium via the Discovery Engine	Vladimir	Baulin					
15:00	**18:00**	**Biological Soft Matter (Chair Alfons van Blaaderen) - room Rysy**			**15:00**	**17:40**	**Polymers and biopolymers (Chair Olaf Soltwedel) - room Granaty**		
15:00	15:30	Active membrane deformations of a synthetic cell-mimicking system	Dmitry	Fedosov	15:00	15:30	Universal prediction of polymer molecular weight distribution from linear rheology using neural networks	Robert	Elliott
15:30	15:50	Efficient generation of conformational ensembles of intrinsically disordered proteins using residue-local	Miguel A.	Soler	15:30	15:50	Pressure-Induced Coil to Globule Transition in Poly-Sulfobetaine Polymer Systems	Jean-Claude	Andonissamy
15:50	16:10	On the delivery of functional ingredients: Sponge phase lipid nanoparticles interacting with biomimetic	Tommy	Nylander	15:50	16:10	Two-Parameter Scaling in Polymer ?-Solutions Revealed by DWS Microrheology	Tetsuharu	Narita
16:10	16:35	Coffee break							
16:40	17:00	Amino acids modulate biomolecular condensation by preferential partitioning	Ashutosh	Kumar	16:40	17:00	Swelling and de-swelling behavior of thermo-responsive polymers at phase transition	Joanna	Michalska-Walkowiak
17:00	17:20	Soft Defense: Mimicking natural deterrent strategies in plants	Thomas	Kodger	17:00	17:20	From Solution Structure to Semicrystalline Morphology in Poly(2,6-diphenyl-p-phenylene oxide)	Mihai-Andru	Angheliu
17:20	17:40	Targeted Thrombolysis Using Red Blood Cell Derived Nanoparticles	Diya	Agrawal	17:20	17:40	Turning Complexity into Function: Humins as Blend Components, Graft Cores, and Dynamic Network Formers	Dilhan	Kandemir
17:40	18:00	Curvature-Responsive Supported Lipid Bilayers as Platforms to Study Protein-Lipid Interactions	Laura	Cervera Gabalda	17:40	18:00	Applying the concepts of self-concentration and concentration fluctuations on a new type of dynamically	Andreas	Almanric
18:00	20:00	SoftComp Research Road Map: hands off session (Vladimir Baulin) - room Rysy					Posters and networking - room Kasprowy & Giewont		
20:00		Dinner							

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Annual Meeting 2026, Wednesday 20 May

Start time	End time	Title of contribution	Speaker first name	Speaker family name	Start time	End time	Title of contribution	Speaker first name	Speaker family name
09:00	09:45	Composite soft matter: from understanding gelation and phase behaviour towards engineering of structures with applications to food	Erik	van der Linden	Chair person: Davoud Zare - room Rysy				
09:45	**10:55**	**Food Science (Chair Davoud Zare) - room Rysy**			**09:45**	**12:45**	**Glasses, Colloids and Self-Assembly (Chair Sophie Ayscough) - room Granaty**		
09:55	10:15	Self-driving labs for formulating food	Michelle	de Dood	09:45	10:15	Soft colloids at interfaces	Matthias	Karg
10:15	10:35	Controlling the Cold-Set Gelation of Bovine Serum Albumin Protein using Alcohol and Ionic Surfactant	Debasish	Saha	10:15	10:35	Controlled microgel assembly monitored by light scattering techniques	Miranda Jacqueline	Buil Contreras
10:35	10:55	Minimally processed pea protein extracts promote protein?carbohydrate co-gelation	Francesca	Dessì	10:35	10:55	Hydrophobic Interactions in Complex Geometries	Alex	Epstein
10:55	11:25	Coffee break							
11:25	**12:25**	**Food Science (Chair Erik van der Linden) - room Rysy**							
11:25	11:45	Coacervate Encapsulation of Red Ginger Oil: In Vitro Digestion and Biochemical Changes	Muhammad Gilang	Ramadhan	11:25	11:45	Lipid nanoparticle-based hybrids for next-generation MRI contrast agents	Dorota	Flak
11:45	12:05	Microbubble powders using freeze-dried Pickering emulsions	Qimeng	Wang	11:45	12:05	How lipid nanoparticles tune the nanomechanics of hybrid electrospun fibre membranes	Amin	Sadeghpour
12:05	12:25	From side streams to novel hydrocolloids - fermentative production of xanthan-like polysaccharides	Marcel	Schöffmann	12:05	12:25	Pressure dependence of slow dynamics and rheology of Lapoite® dispersions	Benoit	Loppinet
					12:25	12:45	J-aggregate-based Artificial Hyperbolic Metamaterials for Light-Matter Coupling at the Nanoscale	José N.	Gama
12:45	14:00	Lunch break							
14:00	14:45	Role of oil polarity on the interfacial phenomena of surfacta	Peter	Fischer	Chair person: Theresia Heiden-Heckt - room Rysy				
14:55	**15:55**	**Food Science (Chair Theresia Heiden-Heckt) - room Rysy**			**14:45**	**17:25**	**Polymers and Biopolymers (Chair Simon Titmuss) - room Granaty**		
14:55	15:15	Non-Fickian diffusion within assemblies of the intrinsically disordered protein ?-casein	Tilo	Seydel	14:45	15:15	Designing Sustainable Peptide-Based Block Copolymer Electrolytes with Tunable Ion Transport and Mechanical Stability	Emmanouil	Glynos
15:15	15:35	The complex rheological behaviour of lactoferrin-mucin systems	Bianca	Hazt	15:15	15:35	Probing molecular interactions between polymer and surface through hydrogel friction	Lea	Gaonac'h
15:35	15:55	Designing Function by Programming Assembly; PIESA-Driven Soft Nanomaterials for Food and Pharma	Neshat	Moslehi	15:35	15:55	On the design of lightweight, multi-layered, single-material polymeric structures	Emilia	Di Lorenzo
15:55	16:25	Coffee break							
16:25	**17:45**	**Glasses, Colloids, and Self-Assembly (Chair Tylo Seydel) - room Rysy**							
16:25	16:45	Interfacial ordering and confinement-induced phenomena in OMBD-grown liquid crystal thin films	Anna	Drzewicz	16:25	16:45	Understanding Polymer Behaviour at Fabric?Solution Interfaces via Coarse-grained Simulations?	Elliot	Findlay
16:45	17:05	Molecular Ionic Glasses as Recyclable Alternatives to Glassy Polymers	Yongfang	Lu	16:45	17:05	The adsorption of soil-releasing polymers at model fabric interfaces	Josephine	Binks
17:05	17:25	Rare cage escapes drive relaxation in deeply supercooled liquids	Francesco	Rusciano	17:05	17:25	Encapsulation of small hydrophilic drug in centrifugally spun hydrophobic polymer fibers using hydrophobic ion	Swaraj	Deodhar
17:25	17:45	Two Clocks, one event: dual relaxation mechanisms governing physical aging of polymeric glasses	Lorenzo Augusto	Rocchi					
17:25	20:00	Posters and networking - room Kasprowy & Giewont							
18:00	20:00	Network Governing Board (NGB) - room Beskid							
20:00		Conference Dinner							

Annual Meeting 2026, Thursday 21 May

Start time	End time	Title of contribution	Speaker first name	Speaker family name	Start time	End time	Title of contribution	Speaker first name	Speaker family name
09:00	09:45	Adaptive Soft Matter at Liquid-Liquid Interfaces: Inspirations from Coffee & Food	Stefan	Salentinig	Chair person: Peter Fischer - room Rysy				
09:45	**12:45**	**New Methods and Techniques / Synthesis (Chair Sebastian Jaksch) - room Rysy**			**09:45**	**12:45**	**Biological Soft Matter (Chair Peter Fischer) - room Granaty**		
09:45	10:15	Experimental Platforms for SoftComp Users	Kyongok	Kang	09:45	10:15	Non-invasive NMR assessment of water status in soft and biological systems	Grzegorz	Nowaczyk
10:15	10:35	Detection of ultrafine particles in the air using fiber-tip optical sensors	Hans	Wyss	10:15	10:35	Active tension and flow in actin rings and cortical networks	Thorsten	Auth
10:35	10:55	Analysing DDLS data - Common Pitfalls and How to Avoid them	Peter	Lang	10:35	10:55	Cell blebbing: a microgel-vesicle model	Debnath	Tanwi
10:55	11:25	Coffee break							
11:25	11:45	Inferring Extensional Viscosity from the Shape of Stretched Liquid Filaments in Airflow, from Newtonian Fluids to Saliva	Christian	Ligoure	11:25	11:45	Understanding how proteins and lipids control cell death	Sophie	Ayscough
11:45	12:05	Making zein coacervates films more flexible: experiments and computer simulations	Qin	Li	11:45	12:05	Microfluidic Synthesis of Theranostic Liposomes for Combined Drug Delivery and MRI Contrast Enhancement	Tomasz	Zalewski
12:05	12:25	A silica-supported poly(ethylene glycol) (PEG) hydrogel developed for the removal of organic dyes in water	Fabiana	Tescione	12:05	12:25	Hydrogel substrates for controlling cell adhesion	Nalin	Maniwongwichit
12:25	12:45	From ionic liquid nanostructure to water purification: linking molecular dynamics with extraction and sorption	Roksana	Markiewicz	12:25	12:45	Trypanosoma motility in complex environments	Raj	Mishra
12:45	13:00	Closing remarks & Award ceremony - room Rysy							
13:00		Lunch							

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Annual Meeting 2026

Title of contribution	First name	Family name
Poster session - room Kasprowy & Giewont		
Following the Dark Recovery of a Photoswitchable LOV Protein with Time-Resolved QENS	Theresa	Bosserhoff
Oxidative Damage in Keratin Fibres: A correlative Study of Human Hair	Naomi	Brown
Bridging the Gap: Microstructural Origins and Yielding Behavior of Microfibrillated Cellulose Suspensions for Sustainable Food Design	Caterina	Cocca
Effect of ionic strength on the microstructure and rheology of potato protein hydrogels	Karina	Cruz Tenjhay
Molecularly Imprinted Polymers: highly crosslinked networks for the selective removal of pharmaceutical residues from wastewater	Débora	De Bastos Oliveira
Stretching mucins: Revealing the complex rheology of natural glycoprotein networks	Bianca	Hazt
Segmental-Decoupled Lithium-Ion Efficient Transport in Ionogel Electrolytes	Zhenni	He
Adhesive microgel-microgel interactions controlling network reversibility during drying	Ward	Jansen
Is DNA grooving geometrically optimal?	Jacek	Jenczyk
Liquid Crystalline Block Copolymers for Enhanced Ionic Conductivity in Polymer Electrolytes	Garance	Keus
Kneading as an efficient mixing method to enhance processability of graphite anode slurries	Anna	Łapeta
Microstructured polymer electrolytes with high Li-ion conductivity by tuning structural uniformity	Luca	Laugeni
Time-Dependent Water Permeability in Degrading PLA: A Molecular Dynamics Study	Alireza	Mirzaalipourcheshmeh
Annual meeting 2026 X-ray Scattering Studies of Microgels at the Air?Liquid Interface	Olaf	Soltwedel
Using QENS to Probe the Dynamics of the Tau Protein under Liquid-Liquid Phase Separation	Finn	Sombrutzki
Synthesis and properties of PS-PMMA copolymers containing reversible covalent crosslinks as compatibilizers in blends	Arya	Vijayan