

Full scientific program at a glance

Tuesday 7/04		Wednesday 8/04		Thursday 9/04		Friday 10/04	
	09:00	Keynote Bernard Cathala <i>Biobased nanocolloidal Hydrogels: from polymer adsorption mechanisms on surfaces to cellulose-based self-assembled materials</i>	Keynote Rachel Auzély-Velty <i>Dynamic boronate ester networks based on hyaluronic acid: toward injectable hydrogels for regenerative medicine and drug delivery</i>	Keynote Salvatore Pagano <i>Soft thermoplastic elastomer-based materials for tire anti-puncture</i>			
	09:40	Lorelei Meyer-Déru <i>Chitosan Superabsorbent for sustainable agriculture</i>	Adrien Covelli <i>Photo-Crosslinked and Thermoresponsive Hydrogels from Passerini-Modified Carboxymethyl Cellulose</i>	Matthieu Fumagalli <i>Mechanical reinforcement of cellulose nano- crystals filled natural rubber processed by colloidal mixing</i>			
	10:00	Raphaël Buret <i>Cold gelation of 4-O-methyl-D-Glucurono-D-xylan (MGX) from hardwood in aqueous media</i>	Jordyn Ann Howard <i>Characterization of Polyampholyte Chitosan Hydrogels for Peptide Loading and Sustained Release</i>	Thomas Chaussée <i>Tire Performances Unlocked: A Morphological Deep Dive into Sustainable Elastomer Composites</i>			
	10:20	Pietro Tordi <i>Ion-Programmed Alginate-Gelatin Organo- hydrogels for Multires-ponsive Soft Electronics</i>	Inmaculada Aranz <i>One-pot synthesis of silver-based chitosan macromolecular hydrogels</i>	Clément Robin <i>Phase-Resolved Cross-Link Distribution and Network Topology Characterization in Natural Rubber/Butadiene Rubber Blends</i>			
	11:10	Valérie Ravaine <i>Yield-stress fluids of microgel suspensions incorporating dynamic covalent bonds</i>	Brigitte Voit <i>Multiresponsive hydrogels as smart materials for actuator and sensor functions in microfluidic application</i>	Antoine Debuigne <i>Emulsion-Templated Macroporous Hydrogels as Degradable and Bioactive Scaffolds Tailored for Soft Tissue Engineering</i>			
	11:30	Asma Ferchichi <i>Hybrid hydrogels based on photothermal carbon nanomaterials for efficient solar evaporation of olive mill waste-water</i>	Bruno Espuche <i>Stimuli-responsive hydrogels using liposomes as crosslinkers</i>	Elodie Calicat <i>Development of new interface materials for medical imaging</i>			
	11:50	Lucas Rajinthan <i>Formulation effects on structure and mechanics of resin-filled RTV-2 silicone elastomers</i>	Pietro Tierno <i>Elastically-mediated collective organisation of magnetic microparticles</i>	Herenia Espitia Armenta <i>Towards mechanically compatible breast implants: feasibility of silicone bottle brush elastomers</i>			
12 :30	Welcome & registration						
13 :45	Opening		12:10	Antoine Brézault <i>Supramolecular microgels: key role of microstructure on the multi-responsive properties</i>	Sofia Lindström <i>Comprehensive yet simple study of silicone elastomer swelling</i>	Closing	
14:00	Keynote Anne Ladegaard Skov <i>Concatenated ring networks: Looking for a ring in a haystack</i>		Keynote Daniele Parisi <i>Gelation of Polysaccharides: From Molecular Interactions to Functional Soft Materials</i>		Keynote Alba Marcellan <i>Mechanisms of mechanical reinforcement in gels and fibrillary systems</i>		
14:40	Alvaro Quinteros-Sedano <i>Tuning the Viscoelastic Properties of Elastomeric Vitrimers via Chemical Design of the Functional Groups</i>		Ahlem MNASRI <i>Adhesive polyelectrolyte complex hydrogels on polysaccharide-modified surfaces: insights into their adhesion mechanism using quartz crystal microbalance with dissipation monitoring QCM-D</i>		P. Priyadharsini <i>Synthesis of Cellulose Nanocrystal Hydrogels from Biomass and Assessment of Environmental Performance</i>		
15:00	Duncan Schwaller <i>Improved recyclability of elastomers through the use of lignin as dynamic crosslinking agent</i>		Abraham Mora <i>Bio-based Organohydrogels For Pressure and Strain Sensor Applications</i>		Eric Euchler <i>Localized Strain Mapping and Damage Assessment for Tough Double-Network Hydrogels</i>		
15:20	Cagla Cinalioglu <i>Impact of Phenolic Structure on Dynamic Bonding and Thermal Reprocessability in Phenol-Containing Silicone Elastomers</i>		Charlotte Dai <i>A Solvent-Exchange Route to DLP-Printable High-Shrinkage and Fast-Des-welling PNVCL Thermosensitive Hydrogels</i>		Didier Long <i>Theory of brittle-to-tough transition in polymer materials</i>		
16:10	Katia Pina Chagas <i>Synthesis and studies of oleogels as substitutes for structural fats</i>		Keynote David Mecerreyes <i>3D Printing of Eutectogels for Bioelectronic Applications</i>		Loic Vanel <i>Rate-dependent sideways cracks in filled silicone rubber</i>		
16:30	Colleen Mudau <i>Heat-induced gelation of rapeseed oil-in-water emulsion</i>				Pavle Ramah <i>Keratin hydrolysate peptide integration via thia-Michael addition for dual dissociative cross-linked poly(dimethylsiloxane) network with improved dielectric properties</i>		
16:50	Philippe Mésini <i>Impact of polymorphism and chirality in oleogels</i>		Alexei Filippov <i>Scaling of viscosity for polymers in deep eutectic solvents</i>		Pauline Blyweert <i>Sustainable Pathways from Chios Mastic Gum to Tunable Elastomers: Design of Photocurable Poly-β-Myrcene materials</i>		
17:10	Lucie Perret <i>Prilling process for the encapsulation of curcumin using pectins gels</i>		Inès Elharar <i>Chitosan-based microgels: Elaboration of a model soft-colloid with controlled microstructure</i>		Gokhan Kacar <i>Threading Behavior of Concatenated and Non-Concatenated Ring/Linear PDMS Blends from Molecular Simulations</i>		
Poster session + Wine & Cheese			Gala Dinner				

Program of Tuesday 7/04

12:30 - 13:45	Welcome and registration
13:45 - 14:00	Opening
Chair: Daniel Portinha	
14:00 - 14:40	Keynote: Anne Ladegaard Skov Danish Polymer Centre, Technical University of Denmark <i>Concatenated ring networks: Looking for a ring in a haystack</i>
14:40 - 15:00	Alvaro Quinteros-Sedano Université Catholique de Louvain <i>Tuning the Viscoelastic Properties of Elastomeric Vitrimers via Chemical Design of the Functional Groups</i>
15:00 - 15:20	Duncan Schwaller IMP, Université Claude Bernard Lyon 1 <i>Improved recyclability of elastomers through the use of lignin as dynamic crosslinking agent</i>
15:20 - 15:40	Cagla Cinalioglu Danish Polymer Centre, Technical University of Denmark <i>Impact of Phenolic Structure on Dynamic Bonding and Thermal Reprocessability in Phenol-Containing Silicone Elastomers</i>
15:40 - 16:10	Break
Chair: François Ganachaud	
16:10 - 16:30	Katia Pina Chagas Institut Charles Sadron, Strasbourg <i>Synthesis and studies of oleogels as substitutes for structural fats</i>
16:30 - 16:50	Colleen Mudau IMMM, Le Mans <i>Heat-induced gelation of rapeseed oil-in-water emulsion</i>
16:50 - 17:10	Philippe Mésini Institut Charles Sadron, Strasbourg <i>Impact of polymorphism and chirality in oleogels</i>
17:10 - 17:30	Lucie Perret IATE - INRAE, University of Montpellier <i>Prilling process for the encapsulation of curcumin using pectins gels</i>
17:30 - 20:00	Poster Session Wine & Cheese

Program of Wednesday 8/04

Chair: Aurélia Charlot	
09:00 - 09:40	Keynote Bernard Cathala Biopolymers, Interactions and Assemblies (BIA), INRAE <i>Biobased nanocolloidal Hydrogels: from polymer adsorption mechanisms on surfaces to cellulose-based self-assembled materials</i>
09:40 - 10:00	Lorelei Meyer-Déru Biomanity, Grabels, France <i>Chitosan Superabsorbent for sustainable agriculture</i>
10:00 - 10:20	Raphaël Buret PBS, Université Rouen Normandie, INSA Rouen <i>Cold gelation of 4-O-methyl-D-Glucurono-D-xylan (MGX) from hardwood in aqueous media</i>
10:20 - 10:40	Pietro Tordi ISIS, Strasbourg <i>Ion-Programmed Alginate-Gelatin Organohydrogels for Multiresponsive Soft Electronics</i>
10:40 - 11:10	Break
Chair : Julien Bernard	
11:10 - 11:30	Valérie Ravaine ISM, Université de Bordeaux <i>Yield-stress fluids of microgel suspensions incorporating dynamic covalent bonds</i>
11:30 - 11:50	Asma Ferchichi IJL, Université de Lorraine, Epinal, <i>Hybrid hydrogels based on photothermal carbon nanomaterials for efficient solar evaporation of olive mill wastewater</i>
11:50 - 12:10	Lucas Rajinthan IMP, INSA Lyon <i>Formulation effects on structure and mechanics of resin-filled RTV-2 silicone elastomers</i>
12:10 - 12:30	Antoine Brézault CRPP, Bordeaux & SIMM, ESPCI, Paris <i>Supramolecular microgels: key role of microstructure on the multi-responsive properties</i>
12:30 - 13:45	Lunch
Chair: Fabien Dutertre	
14:00 - 14:40	Keynote Daniele Parisi University of Groningen <i>Gelation of Polysaccharides: From Molecular Interactions to Functional Soft Materials</i>
14:40 - 15:00	Ahlem MNASRI IMP, Université Claude Bernard Lyon 1 <i>Adhesive polyelectrolyte complex hydrogels on polysaccharide-modified surfaces: insights into their adhesion mechanism using quartz crystal microbalance with dissipation monitoring QCM-D</i>
15:00 - 15:20	Abraham Mora University of Groningen <i>Bio-based Organohydrogels For Pressure and Strain Sensor Applications</i>
15:20 - 15:40	Charlotte Dai Institut Charles Gerhardt, Montpellier <i>A Solvent-Exchange Route to DLP-Printable High-Shrinkage and Fast-Deswelling PNVCL Thermosensitive Hydrogels</i>
15:40 - 16:10	Break
Chair: Agustín Rios de Anda	
16:10 - 16:50	Keynote David Mecerreyes University of the Basque Country, Donostia-San Sebastian, Spain <i>3D Printing of Eutectogels for Bioelectronic Applications</i>
16:50 – 17 :10	Alexei Filippov Institut Charles Sadron, Strasbourg <i>Scaling of viscosity for polymers in deep eutectic solvents</i>
17:10 - 17:30	Inès Elharar IMP, Saint-Étienne <i>Chitosan-based microgels: Elaboration of a model soft-colloid with controlled microstructure</i>

Program of Thursday 9/04

Chair: Alexandra Clayer-Montembault	
09:00 - 09:40	Keynote Rachel Auzély-Velty CERMAV Grenoble <i>Dynamic boronate ester networks based on hyaluronic acid: toward injectable hydrogels for regenerative medicine and drug delivery</i>
09:40 - 10:00	Adrien Covelli IMP, INSA Lyon <i>Photo-Crosslinked and Thermoresponsive Hydrogels from Passerini-Modified Carboxymethyl Cellulose</i>
10:00 - 10:20	Jordyn Ann Howard IMP, Université Claude Bernard Lyon 1 <i>Characterization of Polyampholyte Chitosan Hydrogels for Peptide Loading and Sustained Release</i>
10:20 - 10:40	Inmaculada Aranaz Universidad Complutense de Madrid <i>3 One-pot synthesis of silver-based chitosan macromolecular hydrogels</i>
10:40 - 11:10	Break
Chair: Guillaume Sudre	
11:10 - 11:30	Brigitte Voit Leibniz-Institut für Polymerforschung, Dresden <i>Multiresponsive hydrogels as smart materials for actuator and sensor functions in microfluidic application</i>
11:30 - 11:50	Bruno Espuche Département de Chimie Moléculaire, Grenoble <i>Stimuli-responsive hydrogels using liposomes as crosslinkers</i>
11:50 - 12:10	Pietro Tierno Universitat de Barcelona <i>Elastically-mediated collective organisation of magnetic microparticles</i>
12:10 - 12:30	Sofia Lindström Danish Polymer Centre, Technical University of Denmark <i>Comprehensive yet simple study of silicone elastomer swelling</i>
12:30 - 13:45	Lunch
Chair: Paul Sotta	
14:00 - 14:40	Keynote Alba Marcellan Sorbonne University and SIMM, ESPCI, Paris <i>Mechanisms of mechanical reinforcement in gels and fibrillary systems</i>
14:40 - 15:00	P. Priyadharsini Sathyabama Institute of Science and Technology, Chennai, India & IMP <i>Synthesis of Cellulose Nanocrystal Hydrogels from Biomass and Assessment of Environmental Performance</i>
15:00 - 15:20	Eric Euchler Leibniz-Institut für Polymerforschung, Dresden <i>Localized Strain Mapping and Damage Assessment for Tough Double-Network Hydrogels</i>
15:20 - 15:40	Didier Long MATEIS, INSA Lyon <i>Theory of brittle-to-tough transition in polymer materials</i>
15:40 - 16:10	Break
Chair : Xavier Morelle	
16:10 - 16:30	Loic Vanel Institut Lumière Matière, Lyon <i>Rate-dependent sideways cracks in filled silicone rubber</i>
16:30 - 16:50	Pavle Ramah Danish Polymer Centre, Technical University of Denmark <i>Keratin hydrolysate peptide integration via thia-Michael addition for dual dissociative cross-linked poly (dimethylsiloxane) network with improved dielectric properties</i>
16:50 - 17:10	Pauline Blyweert ICMR, Reims <i>Sustainable Pathways from Chios Mastic Gum to Tunable Elastomers: Design of Photocurable Poly-β-Myrcene materials</i>
17:10 - 17:30	Gokhan Kacar Trakya University, Edirne, Turkiye <i>Threading Behavior of Concatenated and Non-Concatenated Ring/Linear PDMS Blends from Molecular Simulations</i>
20 :00	Gala Dinner

Program of Friday 10/04

Chair : René Fulchiron	
09:00 - 09:40	Keynote Salvatore Pagano Manufacture Française des Pneumatiques Michelin <i>Soft thermoplastic elastomer-based materials for tire anti-puncture</i>
09:40 - 10:00	Matthieu Fumagalli IMP , Université Claude Bernard Lyon 1 <i>Mechanical reinforcement of cellulose nanocrystals filled natural rubber processed by colloidal mixing</i>
10:00 - 10:20	Thomas Chaussée Solvay Silica, Collonges au Mont d'Or <i>Tire Performances Unlocked: A Morphological Deep Dive into Sustainable Elastomer Composites</i>
10:20 - 10:40	Clément Robin CNRS, LCMC, Paris, & Research & Innovation Center Hutchinson <i>Phase-Resolved Cross-Link Distribution and Network Topology Characterization in Natural Rubber/Butadiene Rubber Blends</i>
10:40 - 11:10	Break
Chair: Alexandra Clayer-Montembault	
11:10 - 11:30	Antoine Debuigne CERM, Liège <i>Emulsion-Templated Macroporous Hydrogels as Degradable and Bioactive Scaffolds Tailored for Soft Tissue Engineering</i>
11:30 - 11:50	Elodie Calicat MODULEUS, Tours & LPPI, Cergy-Pontoise <i>Development of new interface materials for medical imaging</i>
11:50 - 12:10	Herenia Espitia Armenta Danish Polymer Center, Technical University of Denmark <i>Towards mechanically compatible breast implants: feasibility of silicone bottle brush elastomers</i>
12:10 - 12:30	Closing