

Provisional program

Color code and locations

■ keynote lecture in
La Rotonde building

■ contributed talk in
La Rotonde building

■ contributed talk in
Amphithéâtre Ouest building

■ coffee breaks & lunches in *Agora* building (near *La Rotonde*)

Monday, 27 of January

10:30–12:00	Registration	
12:30–13:30	Brunch	
13:30–14:10	Emmanuel GIANNELIS – Cornell Univ., USA Fine-Tuning the Surface and Interfacial Properties of Nanoparticles to Modulate and Control Assembly at Interfaces	
	<i>La Rotonde</i>	<i>Amphi. Ouest</i>
14:20–14:40	J.F. CASTRO LANDINEZ – Univ. Bayreuth, Germany Phase Morphology Prediction of Polymeric Immiscible Blends Through Phase Inversion Theory, Experimental Analysis, and Bayesian Optimization Methods	D. GLOGER – BOREALIS Co, Germany Combining the Incompatible: Melt State Grafting between High-Density Polyethylene and Isotactic Polypropylene without a Coupling Agent
14:40–15:00	A. CHERVANYOV – Univ. München, Germany Effect of Fillers on the Stability, Miscibility and Conductivity of Filled Polymer Blends	J. NAVRATILOVA – Tomas Bata Univ. Zlin, Czech Republic Crystallization of Linear and Branched Polypropylene Blends with/without Nucleating Agent
15:00–15:20	M.F. LACRAMPE – IMT Douai, France Eco-design of high-performance and easily recyclable self-reinforced single-polymer composites from Linear Low-Density Polyethylene (LLDPE)/High-Density Polyethylene (HDPE) Blends	J. GAMEZ-PEREZ – Jaume I Univ., Spain Reactive Compatibilization of PHBV/PCL Blends: Mechanical, Thermal, and Biodegradability Properties
15:20–16:00	Coffee break	
16:00–16:20	S. SINHA RAY – CSIR Pretoria, South Africa Unveiling the impact of nanofiller inclusion modes on the morphology and rheology of Nylon6/EVOH blend composites	F. DALMAS – MATEIS INSA Lyon, France Characterization of Viscoelastic Behavior of Polymers at Interfaces by AFM Measurements Assisted with FEA Simulations
16:20–16:40	S. FRITZ – MATEIS INSA Lyon, France Manipulating PVP-PnBA tri-block copolymers self-assembly with responsive nanoparticles	J. ULANSKI – Univ. Lodz, Poland Controlling the Morphology of Polymer-Molecular Crystal Composites by In-Situ Crystallization
16:40–18:00	Poster session	
18:00–19:00	Wine & Cheese	

Tuesday, 28 of January

8:30–9:10	Jean-François GERARD, Bruno CAMINO & Alberto FINA The Rich and Inspiring Career of Prof. Giovanni CAMINO	
9:10–9:50	Alberto FINA – Politecnico Torino, Italy Challenges and Perspectives in Melt Processing of Dynamic Polymer Networks	
9:50–10:10	A. FRACHE – Politecnico Torino, Italy A Strategic Approach for Designing and Developing PP-Based 3D Printable Materials	
10:10–10:50	Coffee break	
10:50–11:10	L. DAI – Xiamen Univ., PRC Preparation of highly thermally conductive, haze and transparent ALOOH/polyimide composite films with excellent comprehensive performances	
11:10–11:30	E. LORENZI – Politecnico Torino, Italy Nanostructured Coatings with Flame Retardant Properties for EBA-Based Materials	
11:30–11:50	T. MOREL – Univ. Lille, France Thermoelectric Properties of a Carbon Nanotubes/Fuorinated Polymer Composite and Its Structure-Property Relationships	
11:50–12:10	L. TROUILLET-FONTI – SYENSQO Co, France Control of the Dispersion State in High Permittivity Polymer-Based Nanocomposites	
12:10–13:50	Lunch	
13:50–14:30	Clemens HOLZER – Montanuniversität Leoben, Austria Mechanical recycling of biobased polymer polyhydroxybutyrate (PHB)	
	<i>La Rotonde</i>	<i>Amphi. Ouest</i>
14:40–15:00	G. BERNAGOZZI – Politecnico Torino, Italy A Simulation Study of the Microstructure Evolution of PP-LDHS Nanocomposites in Melt Compounding	S. SCHOENFELD – Coperion Co, Germany Upcycling with the Twin Screw Extruder
15:00–15:20	K. CHRISOPOULOU – IESL FORTH, Greece Understanding the Unusual Rheological Response of Polymer Nanocomposites	T. BARRIERE – Univ. Franche-Comté, France Optimization and Characterization of 3D Printed Nickel-Titanium (NiTi) Alloy Structures
15:20–15:40	A.C. GENIX – Univ. Montpellier, France Rubber Nanocomposites : Insights on Aggregate Structure and Rheology	Q. PAPELOER – UCL Louvain / ICMN, Belgium 3D-Printed Hierarchically-Porous Objects from the Control of Phase Separation in Semicrystalline PLLA/PEG Blends
15:40–16:00	A. TAGUET – IMT Alès, France Comparison Between Different Processing Routes to Disperse Cellulose Nanocrystals into Polyvinyl Alcohol	B. SANDEI – IMP INSA Lyon, France Formulation of PET/PE Blends in the Perspective of their Recycling Using 3D Printing
16:00–16:40	Coffee break	
16:40–17:00	C. GNOFFO – Politecnico Torino, Italy Processing-Microstructure Relationships in PLA/Talc Composite Films	N. ZEGGAI – SATIE Univ. Paris Saclay, France UV-A treatment of P(VDF-TrFE-CFE): A Route to Efficient Solid-State Cooling Solutions
17:00–17:20	S. ANASTASIADIS – IESL FORTH, Greece Development of Superhydrophobic Polymer Nanocomposite Coatings with Antimicrobial Properties	K. TOZZI – IMP Univ. St Etienne, France Targeting the Extrusion of Gel Polymer Electrolytes for Enhanced Lithium Ion Batteries: Rheological Insights into PVDF Gelification
17:20–17:40	U. GIESE – DIK Institute Hannover, Germany Network Inhomogeneities in Sulfur Crosslinked Polymer Blends	I. REBANE – Univ. Tartu, Estonia Manipulating the Cellular Structure of Silicone Foams: The Influence of Blowing Blends
17:40–18:00	S.E. SEO – Arizona State Univ., USA Tailorable Nanoparticle-based Bonds in Self-Healing Polymer Networks	C. WANG – National Cheng Kung Univ., Taiwan Insights Into Electrospun Nanofibers: Flow-Induced Phase Separation in the Jet
18:00–18:20	V. AMBROGI – Univ. Napoli, Italy Catalyst-Free Fully Bio-Based Epoxy Vitrimers for Protective Coatings	F. BONNET – UCCS Univ. Lille, France Production of High Impact Resistance Polylactide-Based Composites by TP-RTM

Wednesday, 29 of January

8:30–9:10	Anke BLUME – Twente Univ., The Netherlands Use of lignin filler in rubber applications	
	<i>La Rotonde</i>	<i>Amphi. Ouest</i>
9:20–9:40	E. KONTTURI – Aalto Univ., Finland Adsorbed Polymer Layers as a Tool for Modifying Nanocellulose Substrates	H. BENES – IMC Ac. Sci. Prague, Czech Republic Ionic Liquid-Initiated Polymerizations as a Pathway to Bio-Based and Biodegradable Polymeric Materials
9:40–10:00	A. MOISY – BIA INRAE Nantes, France On the Design of Biomimetic Nanocellulose and Hemicellulose-Based Biopolymers Fibers by Flow-Focusing Method	G. PIGNATIELLO – Univ. Napoli, Italy Exploring the Miscibility of Bio-Based Components in Tire Compounds
10:00–10:20	A. UGARTE MADRAZO – Tecnalia San Sebastian, Spain Chitin Nanocrystals as Reinforcement of Biobased Waterborne Polyurethane-Urea via In-Situ and Ex-Situ Routes	M. BRAGAGLIA – Univ. Roma, Italy Waste Raw Materials for Sustainable Rubber Compounds
10:20–11:00	Coffee break	
11:00–11:20	F. BOUHARRAS – UM6P Ben Guerir, Marrocco Design and Optimization of Phosphorylated Microcrystalline Cellulose for Efficient Paraquat Herbicide Removal	P. MARTEN – RWTH IBAC Aachen, Germany Development and Characterisation of a Composite Material based on Polylactic Acid, Chitin, and Lecithin
11:20–11:40	R. EL HAGE – Univ. Lebanese, Lebanon Eco-Friendly Chitosan-Based Composites from Olive Waste, Miscanthus, Spent Mushroom Substrate, and Recycled Textile: Meeting Standards for Sustainable Wood Alternatives	G. GOMEZ ACERO – IMP St Etienne, France Brewer's spent grain under deep eutectic solvent for bio-polymer based film production
11:40–12:00	O. GORDOBIL – Univ. Basque C., Spain Engineering Biobased Hybrid Nanoparticles for Sustainable High-Performance Applications	G. FILIPPONE – Univ. Napoli, Italy Percolation Threshold of Natural Fibers in Biocomposites: Rheological Assessment and Implications in Terms of Biodegradation Kinetics
12:00–12:20	M. ZHAI – ITODYS Univ. Paris Sorbonne, France Eco-Friendly Approaches to Polymer Hybrid Magnetic Materials and Nanoparticle Recycling	S. ZANATTA – Univ. Padova, Italy Innovative PLA-Based Composites Reinforced with Eggshell Microparticles: Boosting Gas Barrier Properties for Sustainable Food Packaging
12:20–14:00	Lunch	
14:00–14:40	Michael Zwicky HAUSCHILD – Technical University of Denmark, Denmark Relative and absolute perspectives on sustainability in production and consumption	
	<i>La Rotonde</i>	<i>Amphi. Ouest</i>
14:50–15:10	M. SALZANO DE LUNA – Univ. Napoli, Italy The Relevance of Life Cycle Assessment in the Field of Polymer-Based Materials: Case Studies on Biocomposites and Recycling of Post-Industrial Waste	G. MIQUELARD-GARNIER – CNAM-PIMM ENSAM Paris, France Rheological Properties of Interphases in Nanolayer Polymer Films
15:10–15:30	R. ARRIGO – Politecnico Torino, Italy Towards Effective Plastic Circularity: Novel Reactive Recycling Routes for Manipulating r-Polymers Microstructure	I. CASTRO CABRERA – IMP INSA Lyon, France Correlations Between Fiber-Matrix Micro-Mechanical Analysis and Macroscale Mechanical Properties in PPS/Basalt Fibers Composites Designed from Commingled Yarns
15:30–15:50	A. POUSSET-BOUGERE – LACTIPS Co, France Tailor your Biodegradation Rate with our Caretips Blends	P.O. BUSSIÈRE – ICCF Univ. Clermont, France Surface Micro-Cracking on NBR/PVC/Carbon Black Blends: Influence of the Environmental Stresses
15:50–16:10	H. NORA – Budapest Univ. Technol., Hungary Enzymatic Self-Degradation of Polyester Nanocomposites	M. STAROPOLI – LIST, Luxembourg Microscopic Interaction of Oleated Cellulose and Silica in Dual-Filled Elastomers
16:10–16:50	Coffee break	

16:50–17:10	A.C. RESTREPO-MONTOYA – GMT UPV/EHU Donostia, Spain Sustainable Crosslinked Polyurethanes with Bio-Based Components and Reversible Covalent Bonds	M. BOUCHETARA – BIA INRAE Nantes, France Structure and Thermal Properties of Bio-Based Blends from Functionalized Lignin for Additive Manufacturing
17:10–17:30	F. WEITENHAGEN – IBAC RTWH Aachen, Germany Sustainable Biopolymer Composites Using Recycling Cellulose from Wastepaper	M. AIT BALLA – IMP INSA Lyon, France Biocomposites based on PLA and Sugarcane Bagasse Fibers: Effect of structure and amounts on thermal, mechanical and rheological properties
17:30–17:50	–	P. FABBRI – Univ. Bologna, Italy Plastic Additives From Renewable Resources: From Nature to Advanced Multifunctionality
20:00	Gala dinner	

Thursday, 30 of January

8:30–9:10	Ana Maria DIEZ-PASCUAL – Alcalá Univ. Madrid, Spain Multifunctional High-performance Nanocomposites based on Poly(ether ether ketone)	
	<i>La Rotonde</i>	<i>Amphi. Ouest</i>
9:20–9:40	A. PREBE – Univ. Montréal, Canada Dynamically Vulcanized Polymer Electrolytes: New materials for Solid-State Battery Systems	B.G. SOARES – Univ. Rio Janeiro, Brazil Microwave Absorbing Materials Based on Conducting Polymer Composites
9:40–10:00	S. BAKKAROUCHE – UM6P Ben Guerir, Marocco Functionalized Titania as Inorganic Filler in Hybrid Electrolyte for All-Solid-State Lithium Metal Batteries	M. SALSE – MATEIS INSA Lyon, France Direct Observation of Short-Time Cohesion in UHMWPE Powders via Magnetic Hyperthermia-Induced Sintering and X-ray Photon Correlation Spectroscopy
10:00–10:20	C. SAMUEL – IMT Nord Douai, France Optimization of PVDF / LiFePO ₄ Porous Composites Manufactured by Twin-Screw Extrusion for Energy Storage Technologies	H.D. WAGNER – Weizmann Inst. Rehovot, Israel Hierarchical Micro- and Nano-Interfaces as Fracture Propagation Traps in Natural Layered Composites
10:20–11:00	Coffee break	
11:00–11:20	E. HAUVILLE – IMP INSA Lyon, France Investigation of Interfacial Interactions Between Components of a Catalytic Ink for Proton Exchange Membrane Fuel Cell (PEMFC)	S. MARCELIN – MATEIS INSA Lyon, France Interesting Corrosion Protection Properties for Carbon Steel Provided by a Layered Double Hydroxide-Filled Epoxy Coating with EDDS Intercalation
11:20–11:40	H.M. SIDDIQI – Univ. Pakistan, Pakistan Sulphonated Copolymers For Electrolyte Membrane Fuel Cells (PEMFCs)	G. CABRERA – CTIPC Oyonnax, France SSbD Framework in Action: PE-Based Multilayer Films for Sustainable Food Packaging in the SURPASS Project
11:40–12:00	C. YUAN – Univ. Xiamen, PRC Borate Ester Polymer/Silver Composites for Flexible Electronics	L. VITIELLO – IPCB CNR Catania, Italy Printability and Photocatalytic Properties of Polymer Nanocomposites Loaded with Titanium Dioxide
12:00–12:20	F.X. PERRIN – Univ. Toulon, France Preparation of Kaolinite Polyacrylamide Hydrogel Composites at Room Temperature Without Chemical Crosslinker	J. PLE – CEMTHI Univ. Orléans, France Development of White Light-Emitting Textiles Using Inorganic Particle@Polymer Coatings via a Photoinduced Approach
12:20–12:30	Concluding remarks	
12:30–13:00	Lunchbox to take away	