

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
9	Additive Manufacturing of Polymers	Oral	<i>Integrated Thermo-Mechanical Modeling for Warpage Prediction in Material Extrusion Additive Manufacturing (MEAM)</i>	Targol Hashemi	University of Salerno	Italy	Tuesday, June 2
10	Smart polymers and special applications	Oral	<i>A sustainable strategy for polyethylene cross-linking in electrical cable insulation</i>	Maria Teresa Letizia	University School for Advanced Studies IUSS	Italy	Monday, June 1
11	Aeronautical and Aerospace applications	Oral	<i>Designing tunable 3D-printed heaters for aeronautical applications: geometric and process parameters optimization</i>	Francesca Aliberti	University of Salerno, Department of Industrial Engineering, Via Giovanni Paolo II-132, 84084	Italy	Wednesday, June 3
12	Aeronautical and Aerospace applications	Oral	<i>Energy-saving approaches for the production of Fiber-Reinforced Thermosetting Composites</i>	Raffaele Longo	University of Salerno	Italy	Wednesday, June 3
15	Additive Manufacturing of Polymers	Oral	<i>Production of bone scaffolds with hierarchical porous structure via 3D printing and Supercritical CO₂ leaching.</i>	Sara Liparoti	University of Salerno	Italy	Thursday, June 4
16	Rubber, elastomers and thermosets	Oral	<i>Exploring Hybrid Crosslinking System in EPDM Rubber Composites</i>	Kinsuk Naskar	Professor and Head, Rubber Technology Centre, IIT Kharagpur	India	Monday, June 1
19	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Vitrimer-Enabled Circularity: Upcycling Mixed Polyolefin Waste from Milk Packets into High-Value 3D Printing Feedstock</i>	Indranil Dey	Indian Institute of Science Bangalore	India	Monday, June 1
20	Additive Manufacturing of Polymers	Oral	<i>3D Printing of Soy–Gluten Hierarchical Structures: Morphology, Texture, and In Vitro Digestibility</i>	Daniele Tammaro	University of Naples Federico II	Italy	Thursday, June 4
22	Extrusion, Mixing and Compounding	Oral	<i>Process for Preparing Nanofibers through Twin-Screw Extrusion Fibrillation for the Development of Durable Polymer Composites</i>	Mulla Abdul Manann	CSIR-Indian Institute of chemical Technology-Hyderabad	India	Monday, June 1
23	Biomedical applications	Keynote	<i>Innovative Hyaluronic Acid–Loaded Nanofibrous Pad for Targeted Treatment of Degenerative Arthritis</i>	Shih-Jung Liu	Chang Gung University	Taiwan	Tuesday, June 2
24	Morphology and structural development	Keynote	<i>Optimizing Morphology to Trade Off Charge Transport and Mechanical Properties of Stretchable Conjugated Polymer Films</i>	Yanchun Han	Changchun Institute of Applied Chemistry	China	Wednesday, June 3
25	Extrusion, Mixing and Compounding	Oral	<i>Interphase-Driven Reinforcement in Pulp Fiber/Thermoplastic Starch Biocomposites: Bridging Experiments and Micromechanics</i>	Mario Milazzo	Department of Civil and Industrial Engineering, University of Pisa	Italy	Tuesday, June 2
26	Rheology and characterization	Oral	<i>Effect of thermo-mechanical treatment and impurities on the crystallization kinetics of high-density polyethylene (HDPE)</i>	Tim Schüle	Karlsruhe Institute of Technology	Germany	Monday, June 1
28	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Contaminant hierarchy in plastic packaging waste and element concentration prediction for recycling</i>	Marcel C.P. van Eijk	NTCP&Maastricht University	Netherlands	Wednesday, June 3
29	Surfaces and Interfaces	Oral	<i>The Preparation of Super hydrophilic Polypropylene Nonwoven Fabric and Its Application in the Field of Oil-Water Separation</i>	Yue Ru	Sinopec Beijing Research Institute of Chemical Industry	China	Tuesday, June 2
31	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Eco-Design of Recycling and Reuse Channels for Biobased and Biodegradable Plastics: a Structure-Properties Relationship Approach</i>	Nathan Jourdainne	Nice Institute of Chemistry (CNRS UMR7272), University Côte d'Azur	France	Monday, June 1

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32	Morphology and structural development	Keynote	<i>Morphology control for highly-efficient polymer photovoltaics</i>	Hongzheng Chen	Zhejiang University	China	Monday, June 1
34	Biomedical applications	Oral	<i>Poly (OEGMA-stat-MMA) cytocompatible thermoplastic elastomers, synthesis, characterization and processing towards tissue mimicking 3D printed scaffolds</i>	Nafiseh babaei	Slovak Academy of Science	Slovakia	Monday, June 1
35	Fibers and Films	Oral	<i>CatSpin: Sustainable Fiber Spinning by Flow and Confinement</i>	Edith Perret	Empa	Switzerland	Tuesday, June 2
40	Additive Manufacturing of Polymers	Oral	<i>Preparation of PP based Neutron Shielding device via selective laser sintering</i>	Yijun Li	Chengdu	China	Monday, June 1
41	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Investigating the recyclability of multilayer monomaterial laminated polyethylene films containing polyurethane adhesive: Influence of the isocyanate type and its index</i>	Ali Ebrahimi	Maastricht University	Netherlands	Tuesday, June 2
43	Additive Manufacturing of Polymers	Keynote	<i>Development of novel types of heat-resistant materials intended for manufacturing using extrusion-based 3D printing (MEX)</i>	Jacek Andrzejewski	Poznan University of Technology	Poland	Monday, June 1
44	Rheology and characterization	Oral	<i>Improvement of film processability for polypropylene by mixing with low-density polyethylene</i>	Yoko Fujii	Osaka Research Institute of Industrial and Technology	Japan	Wednesday, June 3
45	Additive Manufacturing of Polymers	Oral	<i>Development of Highly Conductive Polymer–Metal Composites for Fused Filament Fabrication of Functional Current-Carrying Components</i>	Joshua Voll	University of Applied Sciences Schmalkalden	Germany	Wednesday, June 3
46	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Design Of Tailor-Made Polyhydroxyalkanoates: From Biosynthesis To Biodegradation</i>	Stéphane Bruzaud	University of South Brittany	France	Wednesday, June 3
49	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Challenges in Vitrimerization</i>	Ica Manas-Zloczower	Case Western Reserve University	United States	Tuesday, June 2
50	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Improvement in Toughness and Biodegradability of Polybutylene Succinate by Reaction Compounding</i>	Hiroshi Ito	Yamagata University	Japan	Monday, June 1
51	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>A Unified Thermodynamic and Kinetic Framework for Enhancing PET Chemical Recycling</i>	Bernard Jomari Razote	Seoul National University	Korea, Republic of	Tuesday, June 2
52	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Ionic Crosslinking-Induced Vitrilomer and Vinomer Networks: Enhancing Strength, Flexibility, and Recyclability in Polyolefin Wastes</i>	Ashok Misra	Indian Institute of Science Bangalore	India	Wednesday, June 3
53	Modeling and simulation	Keynote	<i>Dynamic characterization of pressure-dependent viscosity coefficient in amorphous polymer melts using slit rheometry</i>	Jian-Yu Chen	National Kaohsiung University of Science and Technology	Taiwan	Tuesday, June 2
55	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Direct production of rPET preforms for water bottle applications using the LSP Flake-to-Preform technology with AA-Scavenger</i>	Wolfgang Roland	Next Generation Recyclingmaschinen GmbH	Austria	Tuesday, June 2

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56	Additive Manufacturing of Polymers	Oral	<i>Optimizing Selective Laser Sintering (SLS) through Digitalization, Automation, and Machine Learning</i>	Nico Franzke	Neue Materialien Bayreuth GmbH	Germany	Wednesday, June 3
57	Composites, Blends and Alloys	Oral	<i>Exploring the compatibilization effect of natural antibacterial biodegradable tannic and gallic acid in PLA/PBAT blend</i>	Sanaz Soleymanieibakhtiari	Edinburgh Napier University	United Kingdom	Monday, June 1
58	Additive Manufacturing of Polymers	Oral	<i>Automating the Post-Processing Chain in Cold Metal Fusion: Enabling Scalable Metal AM with Green Part Handling and Surface Finishing</i>	Christopher Weigl	Neue Materialien Bayreuth GmbH	Germany	Monday, June 1
59	Foams and Membranes	Oral	<i>The Future of Bead Foams: Sustainable, circular and digital</i>	Holger Ruckdäschel	University of Bayreuth	Germany	Tuesday, June 2
61	Rheology and characterization	Oral	<i>Investigation of Micromechanical Damage Mechanisms in Amorphous Thermoplastics using Nonlinear Ultrasound</i>	Julian Würthner	University Stuttgart, Institut für Kunststofftechnik	Germany	Wednesday, June 3
62	Composites, Blends and Alloys	Keynote	<i>Modification of rheological responses during cooling by addition of immiscible polymers</i>	Masayuki Yamaguchi	Japan Advanced Institute of Science and Technology	Japan	Tuesday, June 2
64	Nanotechnology and Nanocomposites	Keynote	<i>Electrospun Chitosan-Derived Nanofiber Filters for Rapid Inhibition of Enveloped Viruses: A Novel Approach Against HIV-1</i>	Suprakas Sinha Ray	University of Johannesburg	South Africa	Tuesday, June 2
65	Injection molding, micromolding and molds	Oral	<i>Effect of Melt Rotation Intensity on the Relationship Between Internal Fiber Orientation and External Geometric Deformation in Injection-Molded Parts</i>	Chao-Tsai Huang	Tamkang University	Taiwan	Wednesday, June 3
68	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Whole spirulina cell-based biomaterials for extrusion 3D printing</i>	Vincent Berthé	Luxembourg Institute of Science and Technology (LIST)	Luxembourg	Monday, June 1
69	Extrusion, Mixing and Compounding	Keynote	<i>Holistic Approach to Process Modeling. Extrusion vs Injection Molding</i>	Krzysztof Wilczyński	Warsaw University of Technology	Poland	Wednesday, June 3
70	Machine Learning in Polymer Processing	Oral	<i>Evaluating the Impact of Training Datasets on a Hybrid Machine Learning Model for Plasticizing Parameter Prediction</i>	Sarah Schaufler	Kompetenzzentrum Holz GmbH	Austria	Thursday, June 4
71	Extrusion, Mixing and Compounding	Oral	<i>Effect of compounding conditions on wine grape pomace filled biopolyesters – impact of processing parameters and screw configuration</i>	Benedikt T. Hiller	Institute for Circular Economy of Bio:Polymers (ibp) at Hof University, Hof University of Applied Sciences	Germany	Monday, June 1
72	Composites, Blends and Alloys	Oral	<i>Natural Antioxidant Fillers for Polymer Stabilization: Black Tea Waste in LDPE Composites</i>	Joanna Aniśko-Michalak	Poznan University of Technology	Poland	Wednesday, June 3
74	Injection molding, micromolding and molds	Oral	<i>Decoupled Measurement Method for Quantifying Adhesive Demolding Forces in Injection Molding</i>	Jonas Veit	IKFF	Germany	Tuesday, June 2
75	Rubber, elastomers and thermosets	Oral	<i>Devulcanization of Cross-linked Rubbers using High-Pressure Fluids Mixing</i>	Shin-ichi Kihara	Hiroshima University	Japan	Monday, June 1
76	Soft robotics	Keynote	<i>Electric Field Assisted Roll-To-Roll Manufacturing Of Novel Multifunctional Piezoelectric Composites For Transparent Flexible Speakers And High Resolution Impact Sensors</i>	Miko Cakmak	Purdue University	United States	Monday, June 1

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78	Injection molding, micromolding and molds	Oral	<i>The influence of glass fiber-reinforced materials on the surface quality of injection-molded parts and suppression of white haze</i>	Atsushi Mizutani	Nissan Motor Co., Ltd.	Japan	Tuesday, June 2
79	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Effect of anti-hydrolysis agents on the structure and properties of PBAT/PGA blend films under artificial accelerated weathering</i>	Peng Guo	SINOPEC (Beijing) Research Institute of Chemical Industry Co., Ltd.	China	Tuesday, June 2
80	Fibers and Films	Keynote	<i>Sustainable Polymer Formulation for High Barrier Packaging</i>	Abdellah Ajji	Polytechnique Montréal	Canada	Monday, June 1
81	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Thermal, Mechanical and Rheological study of PBAT/PLA biocomposites reinforced with Agri-Food Industry Byproducts</i>	Solomon Dufera Tolcha	Department of Engineering, University of Messina	Italy	Tuesday, June 2
83	Composites, Blends and Alloys	Keynote	<i>Formability studies of thermoplastic pultruded profiles</i>	Andrew Hrymak	Fraunhofer Innovation Platform for Composites Research at Western University	Canada	Monday, June 1
84	Morphology and structural development	Oral	<i>When good bonds go bad: the processing–property paradox in adhesion modified polypropylene composites</i>	Stan Looijmans	Eindhoven University of Technology	Netherlands	Tuesday, June 2
86	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Enhancing the mechanical properties of the new biopolymer poly(ethylene furanoate) by (reactive) compounding</i>	Sinja Pagel	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
87	Soft robotics	Oral	<i>Applications of conductive ionogels and hydrogels in flexible sensors</i>	Yutian Zhu	Hangzhou Normal University	China	Monday, June 1
89	Nanotechnology and Nanocomposites	Keynote	<i>Graphene Nanoplatelets (GNP) as a Functional Filler for Rubbers</i>	Tony McNally	University of Warwick	United Kingdom	Wednesday, June 3
90	Additive Manufacturing of Polymers	Oral	<i>Direct 3D printing of high-performance semi-crystalline polyphthalamides through fused granulate fabrication process: Impact of chain extension on the melt rheological and mechanical properties</i>	Nathan Pierson	Ingénierie Des Matériaux Polymères	France	Monday, June 1
91	Extrusion, Mixing and Compounding	Oral	<i>Unveiling the Role of Elongational Flow: Enhanced Ductility in Biopolymer Blends</i>	Giuseppe Trapani	Department of Applied Science and Technology (DISAT), Politecnico di Torino	Italy	Monday, June 1
92	Additive Manufacturing of Polymers	Oral	<i>Rheology-Tunable CNT Aqueous Inks for Hybrid Formative-Additive Manufacturing of Multifunctional Robust Cryogels</i>	Shakiba Samsami	University of Waterloo	Canada	Tuesday, June 2
96	Injection molding, micromolding and molds	Keynote	<i>Applications of Artificial Intelligence, Machine Learning, and Transfer Learning for Injection Molding Process Optimization and Enhanced Part Quality</i>	Lih-Sheng Turng	University of Wisconsin-Madison	United States	Tuesday, June 2
97	Composites, Blends and Alloys	Keynote	<i>Healing of the fiber-matrix interface in epoxy/basalt composites.</i>	Alessandro Pegoretti	University of Trento	Italy	Monday, June 1
98	Injection molding, micromolding and molds	Keynote	<i>Additive Manufacturing of Injection Molding Inserts via Material Extrusion and Fused Granular Fabrication: Material Screening, Validation and Performance Evaluation.</i>	Daniele Battezzore	Politecnico di Torino	Italy	Wednesday, June 3

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99	Extrusion, Mixing and Compounding	Oral	<i>Compatibilization of polyester/polyamide derived from textile waste by reactive extrusion</i>	Romane Gautier	Laboratoire IMP	France	Tuesday, June 2
100	Machine Learning in Polymer Processing	Oral	<i>Multi-criteria selection of an extra sorting and treatment pipeline for mixed plastics waste as feedstock for pyrolysis</i>	Qian Yee Ong	Maastricht University	Netherlands	Thursday, June 4
101	Fibers and Films	Oral	<i>Development of Recyclable Antiviral/Antibacterial PET/Lignin Electrospun Masks</i>	Aida Nekooei	Polytechnique Montreal	Canada	Wednesday, June 3
102	Modeling and simulation	Oral	<i>A molecular dynamics study of poly(2-ethyl-2-oxazoline) and poly(2-phenyl-2-oxazoline) electrolytes: structure and diffusion studies</i>	Negar Amirhaghian	Department of Materials Science and Nano Engineering, Sabanci University	Turkey	Tuesday, June 2
103	Composites, Blends and Alloys	Oral	<i>Capillary Force-Driven Al2O3/CF Hybrid Networks Enable Electrically Insulating and Thermally Conductive Polymer Composites</i>	Lijun Ye	Hangzhou Normal University	China	Wednesday, June 3
104	Fibers and Films	Keynote	<i>Spinnability of various polymers in the high-speed melt spinning process</i>	Takeshi Kikutani	Institute of Science Tokyo	Japan	Wednesday, June 3
105	Additive Manufacturing of Polymers	Keynote	<i>Elastically isotropic auxetic and zero-Poisson's ratio TPMS-based metamaterials</i>	Stephen Daynes	University of Canterbury	New Zealand	Wednesday, June 3
108	Additive Manufacturing of Polymers	Oral	<i>Mapping the 3D Printability of Sawdust-Cellulose Nanocrystal Inks for Building Multiscale Structures toward Environmental Applications</i>	Adel Jalae	University of British Columbia	Canada	Wednesday, June 3
109	Additive Manufacturing of Polymers	Oral	<i>Effect Of Bed Temperature and Printing Direction to Failure Mechanisms of Polyamide 1,2 Based Samples Additively Manufactured By Selective Absorbtion Fusion</i>	Kaan Bilge	Sabanci University	Turkey	Monday, June 1
112	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Influence of a multifunctional epoxy-based chain extender on the mechanical, rheological and tribological properties of poly(lactic acid)/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PLA/PHBV) blends</i>	Rio Mathias Mungok	TU Dortmund University	Germany	Monday, June 1
114	Surfaces and Interfaces	Oral	<i>Fibre orientation of short fibre-reinforced weld seams utilizing friction stir welding</i>	Julian Ehrler	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
117	Composites, Blends and Alloys	Oral	<i>Manufacturing Of Macro Crosslinked Wood Plastic Composite From PE/PET Waste/UHMWPE Blends Reinforced With Rice Husk Fiber: Effect Of Flame Retardants And Mechanical Properties</i>	Utai Meekum	Maung	Thailand	Monday, June 1
118	Soft robotics	Oral	<i>Light-Powered Dynamic Liquid Crystal Elastomer Soft Robots</i>	Xili Lu	State Key Laboratory of Advanced Polymer Materials, Polymer Research Institute, Sichuan University	China	Monday, June 1
119	Aeronautical and Aerospace applications	Oral	<i>Chemically Recyclable Carbon Fiber Reinforced Polymer Composites with Ultrafast Degradation Rate via Acetal Groups</i>	Zhanhua Wang	State Key Laboratory of Advanced Polymer Materials, Polymer Research Institute, Sichuan University	China	Wednesday, June 3
121	Additive Manufacturing of Polymers	Oral	<i>Preparation and 3D printing of polyvinylidene fluoride based piezoelectric composites</i>	Ning Chen	Polymer Research Institute of Sichuan University	China	Wednesday, June 3

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123	Foams and Membranes	Oral	<i>Preliminary Evaluation of Bubble Nucleation in CO₂-Laden Polystyrene by Time-Resolved Small Angle X-Ray Scattering (SAXS)</i>	Kentaro Taki	Kanazawa University	Japan	Wednesday, June 3
126	Extrusion, Mixing and Compounding	Oral	<i>Frequency Response Analysis of Sine-Wave Feed Fluctuation to Evaluate Twin-Screw Performance</i>	Soma Yamada	SHIBAURA MACHINE	Japan	Wednesday, June 3
128	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Keynote	<i>Material extrusion additive manufacturing of Ankle-Foot Orthoses Based on poly(butylene succinate-co-adipate) (PBSA): Process Parameters Optimization and Mechanical Properties</i>	Mohamed Yousfi	INSA LYON	France	Monday, June 1
129	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Circular economy driven sustainable green composites: Can biodegradable plastics alleviate single-use plastic waste problem?</i>	Amar Mohanty	University of Guelph	Canada	Monday, June 1
130	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>The Impact of Mechanical Recycling on the Properties of Fiber-Reinforced Polypropylene in Injection Molding</i>	Juan Daniel Garzon Henao	Technische Universität Berlin	Germany	Thursday, June 4
131	Composites, Blends and Alloys	Oral	<i>Processing PLA Composites With Magnesium Metallic Particles: A Mg-Zn Alloy Strategy To Control Degradation</i>	Felippe Migliato Marega	Federal University of Sao Carlos, Graduate Program in Materials Science and Engineering	Brazil	Monday, June 1
132	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Composition Processing and Properties of Vitrimers for Recyclability on Demand</i>	Samuel Kenig	Shenkar College	Israel	Wednesday, June 3
135	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Oral	<i>External Field Induced High Speed Sintering of Polyurethane Covalent Adaptable Network</i>	Lirong He	Sichuan University	China	Monday, June 1
137	Composites, Blends and Alloys	Oral	<i>Exploration of Polymer Alloy Structure Design Based on Melting Processing Kinetics and Component Thermodynamics</i>	Yongjin Li	Hangzhou Normal University	China	Tuesday, June 2
141	Composites, Blends and Alloys	Keynote	<i>Effect of preparation method on morphological and rheological properties of PHBH/CNC nanocomposites</i>	Mohammadreza Nofar	Istanbul Technical University	Turkey	Wednesday, June 3
142	Composites, Blends and Alloys	Oral	<i>Impact of salt addition on structure of polymer blends</i>	Naoya Tsugawa	Tosoh Analysis and Research Center Co., Ltd.	Japan	Wednesday, June 3
143	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Covalent Adaptable Networks (CANs) in Bio-based and Biocide-free Paint Binders</i>	Cagla Giriskan	Sabancı University	Turkey	Monday, June 1
144	Foams and Membranes	Oral	<i>Engineering Tunable Biodegradable Open-Cell Foams via Supercritical Microcellular Foaming: Microstructure Control and Multifunctional Implementation</i>	Jing Jiang	Zhengzhou University	China	Thursday, June 4
145	Modeling and simulation	Oral	<i>Advancing Digitalized Co-Extrusion Through a Predictive Numerical Framework for Non-Newtonian Multilayer Flow Modeling</i>	Alexander Hammer	Institute of Polymer Processing and Digital Transformation, Johannes Kepler University Linz	Austria	Tuesday, June 2

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146	Rheology and characterization	Oral	<i>Curing process and long-term behaviour relation of disulfide-based epoxy vitrimers</i>	Jonathan Alms	Institute and Chair for Plastics Processing in Industry and Craft at RWTH Aachen University	Germany	Wednesday, June 3
147	Extrusion, Mixing and Compounding	Oral	<i>Optimization of twin-screw extruder setup for production of highly filled polymers used in conductive foil production for energy applications.</i>	Elisabeth Verweyen	ZBT - Zentrum für BrennstoffzellenTechnik GmbH	Germany	Wednesday, June 3
149	Composites, Blends and Alloys	Keynote	<i>Polymer Composites with in situ Development of High Aspect Ratio Phosphate Glass Fillers.</i>	René Fulchiron	Universite Claude Bernard Lyon 1, INSA Lyon, Université Jean Monnet, CNRS, UMR 5223, Ingénierie des Matériaux Polymères	France	Wednesday, June 3
150	Additive Manufacturing of Polymers	Oral	<i>Hybrid Manufacturing Method for producing Lightweight Structures by MEX 3D-Printing and Thermoplastic Organosheet Forming</i>	Christoph Strasser	University of Applied Sciences Upper Austria	Austria	Tuesday, June 2
151	Rheology and characterization	Oral	<i>Multilayer Nanofilled Polymer Systems under Extensional Flow: Role of Filler Aspect Ratio and Interfacial Chain Dynamics</i>	Jixiang Li	INSA-Lyon	France	Thursday, June 4
152	Additive Manufacturing of Polymers	Oral	<i>Development of wood-based polymer composites obtained by vat-photopolymerization as 3D printing technology for interior design.</i>	Giovanna Colucci	Department of Applied Science and Technology, Politecnico di Torino	Italy	Wednesday, June 3
153	Composites, Blends and Alloys	Oral	<i>Multifunctional thermoplastic composite laminates with self-healing capability</i>	Andrea Dorigato	University of Trento	Italy	Tuesday, June 2
156	Rheology and characterization	Oral	<i>Is the performance influenced by the amount or the quality of post-consumer-recyclate in applications?</i>	Carina Maurer	Christian Doppler Laboratory for Impact of recycled materials on the mechanical lifetime estimation of polymers	Austria	Wednesday, June 3
157	Smart polymers and special applications	Oral	<i>Tuning Nutrient Release in TPS/Fertilizer Systems: Processing Effects and Morphological Correlations</i>	Roselena Faez	UFSCar	Brazil	Monday, June 1
160	Foams and Membranes	Oral	<i>Acoustic Resonance Analysis of Foam-Inspired Porous Structures in Polymer Systems</i>	Linus Littner	Institut für Kunststofftechnik, University of Stuttgart	Germany	Thursday, June 4
162	Extrusion, Mixing and Compounding	Keynote	<i>Organic reinforcement of a polyamide with the in situ synthesis of a polyimide phase by reactive extrusion</i>	Veronique Bounor-Legare	Universite Claude Bernard Lyon 1, INSA Lyon, Université Jean Monnet, CNRS UMR 5223, Ingénierie des Matériaux Polymères	France	Tuesday, June 2
163	Additive Manufacturing of Polymers	Oral	<i>Tailoring Polypropylene for 3D Printing Processes: from Structure-Property Relationships to Functional Composite Design</i>	Rossella Arrigo	Department of Applied Science and Technology, Politecnico di Torino	Italy	Monday, June 1
165	Fibers and Films	Oral	<i>Polymer-Based CO₂ Releasing Films for Optimizing Package Headspace CO₂ Levels</i>	Deniz Sema Sarul	Polytechnique Montréal	Canada	Wednesday, June 3
166	Composites, Blends and Alloys	Oral	<i>PLA/PBAT/CNT blend nanocomposites: Tailoring morphology for enhanced conductivity and lowered percolation threshold</i>	Mukaddes Sewal Cetin	Sustainable & Green Plastics Laboratory, Metallurgical & Materials Engineering Department, Faculty of Chemical and Metallurgical Engineering, Istanbul Technical University, Maslak	Turkey	Monday, June 1
167	Biomedical applications	Oral	<i>Effect of Bioactive Glass Structure on the Properties of PLA Biocomposites</i>	Daniela Becker	UDESC	Brazil	Wednesday, June 3

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168	Rheology and characterization	Oral	<i>Simulative design of a die for the extrusion of highly filled sheets for graphite-based bipolar plates</i>	Florian Seybold	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
170	Nanotechnology and Nanocomposites	Oral	<i>Intrinsic and Extrinsic Toughening Mechanisms Induced by Biodegradable Polymers in CF/EP Composites</i>	Mariam Omar	Sabancı university	Turkey	Tuesday, June 2
171	Composites, Blends and Alloys	Oral	<i>Fabrication of PVDF/BaTiO3 Composite Dielectric Films via Highly Biaxial Stretching: Decoupling the Dielectric Constant–Breakdown Strength Trade-off</i>	Jinxiang Ai	Sichuan University	China	Tuesday, June 2
172	Biomedical applications	Oral	<i>A Novel Gamma-ray-Responsive Amphiphilic Polymeric Micelles for Radioprotective Drug Delivery</i>	Caifeng Guo	State Key Laboratory of Advanced Polymer Materials (Sichuan University)	China	Tuesday, June 2
173	Biomedical applications	Oral	<i>Ultrasound-responsive nanocomposite hydrogel for sonodynamic therapy of periodontitis</i>	Yuan Zhou	The State Key Laboratory of Polymer Materials Engineering, Polymer Research Institute of Sichuan University	China	Wednesday, June 3
175	Soft robotics	Oral	<i>Robust and Fast-Transforming Soft Microrobots Driven by Low Magnetic Field</i>	Haili Qin	Hefei University of Technology	China	Monday, June 1
176	Modeling and simulation	Oral	<i>Viscoelastic Simulations with Integral Models at Extremely High Shear Rates</i>	Evan Mitsoulis	National Technical University of Athens	Greece	Tuesday, June 2
177	Morphology and structural development	Oral	<i>Regulating the Morphology of Functional Fillers in Flow Fields: Mechanisms and Applications</i>	Hong Wu	Sichuan university	China	Monday, June 1
178	Composites, Blends and Alloys	Oral	<i>Influence of Wax Backbone Substitution on Processing and Final Part Properties for POM-based MIM-feedstocks</i>	Thomas Forstner	Institute of Polymer Technology (LKT) - Friedrich-Alexander-Universität Erlangen-Nürnberg	Germany	Wednesday, June 3
179	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Interplay of Cross-Contamination, Aging and Reprocessing in the Mechanical Recycling of HDPE</i>	Alberto Frache	Department of Applied Science and technology - Politecnico di Torino	Italy	Tuesday, June 2
180	Smart polymers and special applications	Oral	<i>Polyvinyl alcohol-ionic liquid grafts: preparation, characterization, and applications in triboelectric nanogenerators and antibiosis</i>	Lian Wang	Hangzhou Normal University	China	Wednesday, June 3
183	Machine Learning in Polymer Processing	Oral	<i>Optimization of Partially Bio-Based Epoxy Resin Formulations Using Machine Learning - Predictive Design of the Glass Transition Temperature in Multi-Component Systems</i>	Natalie Wunder	Polymer Engineering - University of Bayreuth	Germany	Tuesday, June 2
184	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Should Flexible Mixed Polyolefins be Sent to Mechanical or Chemical Recycling: a Technology-Agnostic Analysis Based on a Sustainability–Circularity Index.</i>	Merel Molenbuur	Maastricht University	Netherlands	Monday, June 1
186	Fibers and Films	Oral	<i>In-situ investigation of fiber behavior in flowing polymer melts using radiography</i>	Phi-Long Chung	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
187	Composites, Blends and Alloys	Oral	<i>Importance of pre-process drying temperatures and effectiveness of chain extender mixtures on recycled polyethylene terephthalate and polybutylene terephthalate processing and foaming behavior</i>	Yavuz Akdevelioğlu	Istanbul Technical University	Turkey	Tuesday, June 2

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
188	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Innovating Plastic Recycling: Harmonizing Ecological and Economic Goals by Enhancing Technology</i>	Katharina Krause	Neue Materialien Bayreuth GmbH	Germany	Tuesday, June 2
189	Foams and Membranes	Oral	<i>Investigating the uniaxial compressive mechanics of graded polymer foams via in-situ synchrotron X-ray microtomography</i>	Paolo Iaccarino	Scuola Superiore Meridionale	Italy	Tuesday, June 2
190	Biomedical applications	Oral	<i>Biodegradable Elastomer PLCL: Synthesis, Processing, and Applications</i>	Xiaofeng Wang	Zhengzhou University	China	Wednesday, June 3
191	Modeling and simulation	Oral	<i>Integrated Parametric CAD, CFD Simulation, and Machine-Learning Optimization for Polymer Profile Die Design</i>	Mohammadreza Aali	Institute of Polymer Processing and Digital Transformation (IPPD), Johannes Kepler University Linz (JKU)	Austria	Wednesday, June 3
192	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Comparison of bio-based and oil based recycled PEs for the construction industry</i>	Stephan Schuschnigg	Montanuniversitaet Leoben, Institute of Polymer Processing	Austria	Wednesday, June 3
194	Smart polymers and special applications	Oral	<i>Functionalized Fiber-Reinforced Inserts for Welding Incompatible Thermoplastics</i>	Matthias Scholpp	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
195	Fibers and Films	Oral	<i>Measurement setup for manometric determination of helium gas permeability through polymer films</i>	David Knobloch	JUMO GmbH & Co. KG	Germany	Wednesday, June 3
196	Additive Manufacturing of Polymers	Oral	<i>Incorporation Of Calcium Stearate In Poly(Lactic Acid) Filaments For 3D Printing</i>	Marina Cosate de Andrade	University of Campinas	Brazil	Monday, June 1
197	Aeronautical and Aerospace applications	Keynote	<i>Carbon fiber reinforced DyNamic Crosslinked recyclable polyMER composites</i>	Hesheng Xia	Sichuan University	China	Wednesday, June 3
201	Machine Learning in Polymer Processing	Oral	<i>Development of an Artificial Intelligence Method for Quality Prediction Across Different Injection-Molded Products</i>	Ting-Yu Cheng	Department of Mechanical Engineering, National Taiwan University	Taiwan	Thursday, June 4
202	Morphology and structural development	Oral	<i>Grading in Thermoplastic Hybrid Structures: Processing Technologies for Locally-Tailored Morphology of LFT</i>	Tibor Fritsch	Institute and Chair for Plastics Processing at RWTH Aachen University	Germany	Monday, June 1
203	Composites, Blends and Alloys	Oral	<i>Machine Learning-Guided Design of Co-Continuous Polymer Blends for Electrically Conductive Composites</i>	Juan Castro-Landinez	University of Bayreuth	Germany	Thursday, June 4
206	Extrusion, Mixing and Compounding	Oral	<i>Rethinking material selection: How processing shapes the performance of polyolefins.</i>	Charmayne Siebers	Maastricht University	Netherlands	Tuesday, June 2
207	Fibers and Films	Oral	<i>Lightweight construction using regional plant fibers from residual material streams</i>	Dominique Maass	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
208	Additive Manufacturing of Polymers	Oral	<i>Printing the Future: Bio-Derived Smart CANs Powering Sustainable Manufacturing</i>	Camilla Noè	Politecnico di Torino	Italy	Tuesday, June 2
212	Foams and Membranes	Keynote	<i>Pellet-Fed Foam 3D-Printing of Highly Filled Lightweight TPU/CNT Nanocomposites</i>	Amir Ameli	UMass Lowell	United States	Monday, June 1
217	Additive Manufacturing of Polymers	Keynote	<i>DLP-type Additive Manufacturing of MWCNT Nanocomposites for Electrically Conductive 3D Microarchitectures</i>	Keun Park	Seoul National University of Science and Technology	Korea, Republic of	Tuesday, June 2
218	Aeronautical and Aerospace applications	Oral	<i>Consolidation of unidirectional CF/PEKK prepregs using continuous ultrasonic welding</i>	Amal Alliyankal Vijayakumar	University of Salento	Italy	Wednesday, June 3

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
219	Machine Learning in Polymer Processing	Oral	<i>Surrogate model of fluid analysis for twin-screw extruder</i>	Yuya Sasai	Shibaura Machine, Extrusion Machine Engineering Department	Japan	Tuesday, June 2
222	Morphology and structural development	Oral	<i>Architecting the Orientation of Carbon Fiber Scaffolds via Magnetic Field assisted Strategy for Efficient Heat Dissipation and Multifunctional Integration</i>	Ning Jia	Sichuan university	China	Tuesday, June 2
223	Additive Manufacturing of Polymers	Keynote	<i>Novel Methods of Advanced Manufacturing for Hybridization of 3D Structured Soft Materials and Aerogels</i>	Milad Kamkar	University of Waterloo	Canada	Tuesday, June 2
227	Composites, Blends and Alloys	Oral	<i>Influence of Compounding Parameters on the Properties of PLA–Starch Composites</i>	Victoria Goetjes	University of Kassel, Institute of Materials Engineering, Plastics Engineering	Germany	Monday, June 1
228	Injection molding, micromolding and molds	Oral	<i>Predictive Modeling and Simulation of Crosslinked EVA Foams</i>	Gianni Marchetti	Versalis	Italy	Tuesday, June 2
229	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Alternative application for cellulose-contaminated recycled textile polyester</i>	Doris Ostner-Kaineder	School of Engineering, University of Applied Sciences Upper Austria	Austria	Wednesday, June 3
230	Additive Manufacturing of Polymers	Oral	<i>Rheological Characterization of PLA–Coffee Husk Composites: Predicting Printability in Fused Filament Fabrication and Creep Behaviour.</i>	Luca Gasperini	Piep	Portugal	Monday, June 1
232	Machine Learning in Polymer Processing	Oral	<i>Physics-informed soft sensing for real-time state estimation in single-screw extrusion using DeepONet surrogate modeling</i>	Wenyu Wu	The Hong Kong University of Science and Technology (Guangzhou)	China	Tuesday, June 2
233	Extrusion, Mixing and Compounding	Oral	<i>Innovative Formulation Strategies for Active and Sustainable Bio-Packaging.</i>	Régis Risani	University of South Brittany	France	Wednesday, June 3
234	Fibers and Films	Oral	<i>Product design based on crystallinity: The case of transparent polyolefin films</i>	Markus Gahleitner	Borealis Polyolefine GmbH	Austria	Tuesday, June 2
235	Modeling and simulation	Oral	<i>Modeling and Simulation of a Novel Pellet Extruder for Additive Manufacturing</i>	Sarah Delia	University of Malta	Malta	Tuesday, June 2
236	Biomedical applications	Oral	<i>Development of high-strength biodegradable stents</i>	yuanyuan chen	Technological University of the Shannon	Ireland	Wednesday, June 3
237	Solid state processing and properties	Oral	<i>Development of hybrid vitrimer encapsulants for recyclable photovoltaic modules</i>	Djamil MARI	Univ. Grenoble Alpes, CEA, Liten, Campus Ines	France	Monday, June 1
240	Injection molding, micromolding and molds	Oral	<i>Reference-Free In-line Determination of the Melt Viscosity of Recycled Thermoplastics During Injection Molding</i>	Matthias Bruchmüller	Technische Universität Ilmenau Fachgebiet Kunststofftechnik	Germany	Tuesday, June 2
242	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Uncertainty in Plastics Recycling, a business (economic) perspective</i>	Nicola Van Camp	Maastricht University	Netherlands	Tuesday, June 2
243	Rheology and characterization	Oral	<i>Estimation of Molecular Weight and Molecular Weight Distribution of Thermoplastic Polyolefins through Real-time Process Monitoring via In-line Rheometry</i>	Kunal Manna	UNIVERSITY OF WARWICK	United Kingdom	Monday, June 1
245	Additive Manufacturing of Polymers	Oral	<i>Fatigue properties and modeling for MatEx AM amorphous polymers</i>	Wilco M.H. Verbeeten	Universidad de Burgos	Spain	Tuesday, June 2

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
246	Extrusion, Mixing and Compounding	Keynote	<i>50 µm thin electrical conductive PP-films for lithium ion battery application</i>	Beate Krause	Leibniz-Institut für Polymerforschung Dresden e.V.,	Germany	Wednesday, June 3
247	Fibers and Films	Oral	<i>Sustainable packaging films – influence of blown film extrusion processing parameters on the seal strength of mono-material biopolymer films</i>	Franziska T. Bauer	Institute for Circular Economy of Bio:Polymers (ibp) at Hof University, Hof University of Applied Sciences	Germany	Wednesday, June 3
248	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Environmental Stress Cracking Resistance in Recycled High-Density Polyethylene</i>	Amir Khaki	Maastricht University	Netherlands	Thursday, June 4
249	Extrusion, Mixing and Compounding	Keynote	<i>In search of the balance between degradation and mixing: The study of twin-screw extrusion coupled with cavity transfer mixer of polylactide with poly(ethylene 2,5-furandicarboxylate)</i>	Mateusz Barczewski	Poznan University of Technology	Poland	Monday, June 1
251	Soft robotics	Oral	<i>Dual-electrode Asymmetric Fiber Triboelectric Nanogenerators for Energy Harvesting and Dynamic Motion Sensing</i>	Maofan Zhou	Centre for Polymer and Material Technologies, Ghent University	Belgium	Monday, June 1
253	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Paramylon-based thermoplastic biomaterials plasticized by ionic liquids</i>	Denis Lourdin	Unité BIA (UR 1268), INRAE	France	Tuesday, June 2
254	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Biobased Phenol/5-HMF Resins</i>	Miroslav Huskić	Pomurje Science and Innovation Centre	Slovenia	Wednesday, June 3
255	Modeling and simulation	Oral	<i>Generalized Regression Models for Predicting the Melt Conveying Characteristics of Curved Screw Channels with Undercut Flights</i>	Daniel Herzog	Johannes Kepler University Linz	Austria	Wednesday, June 3
256	Surfaces and Interfaces	Keynote	<i>Interface design of nanocellulose/polyesters nanocomposites via tailored waterborne copolymer nanoparticles</i>	Giada Lo Re	Chalmers University of Technology	Sweden	Tuesday, June 2
257	Modeling and simulation	Keynote	<i>Process-to-Structure simulation of aged injection-molded components</i>	Camilo Cruz	Clément Ader Institute, IMT Mines Albi	France	Wednesday, June 3
259	Nanotechnology and Nanocomposites	Oral	<i>Advancing Encapsulation for Perovskite Solar Cells with a Room-Temperature Processable and Stable Resin</i>	Lucia Mercurio	Dipartimento di Matematica e Fisica “E. De Giorgi, Università del Salento, Via Per Arnesano	Italy	Wednesday, June 3
261	Smart polymers and special applications	Oral	<i>Application of Electroactive Materials in the Design of Ultrasensitive Electrochemical Biosensors with Hydrogels</i>	Natalia Staniek	Silesian University of Technology	Poland	Wednesday, June 3
263	Extrusion, Mixing and Compounding	Keynote	<i>Tuned extrusion variables for optimal balance of flame retardant and mechanical properties in sustainable polymer materials</i>	Guadalupe Sanchez-Olivares	CIATEC	Mexico	Monday, June 1
264	Composites, Blends and Alloys	Keynote	<i>Engineering Sustainable Biocomposites from Cellulose and Lignocellulose</i>	Sergejs Gaidukovs	Riga	Latvia	Tuesday, June 2
267	Fibers and Films	Oral	<i>Biodegradable and Flexible PLA-PEG/LCNF-OMMT Hybrid Multilayer Films via Forced-Assembly Layer-Multiplication Coextrusion for Improved Mechanical and Barrier Performance</i>	Mohamed Ait Balla	University of Lyon, UMR 5223, Polymer Materials Engineering (IMP), INSA Lyon, F-69621 Villeurbanne, France.	France	Monday, June 1

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
268	Rheology and characterization	Oral	<i>Rheology and Foamability of Linear and Branched Polypropylene Blends</i>	Marcello Ferranti	Università degli Studi di Napoli Federico II	Italy	Monday, June 1
270	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Mitigating Chain Scission in Polypropylene using Water-Admixed Atmospheric Pressure Air Plasma Treatment</i>	Jesna Ashraf Ashraf	The University of Auckland	New Zealand	Tuesday, June 2
272	Morphology and structural development	Oral	<i>Novel Melt-electrospun Fibrillar Microfibers Prepared from Compatibilized Immiscible Polymer blends</i>	Parniyan Talebpour	Polytechnique Montreal	Canada	Monday, June 1
274	Extrusion, Mixing and Compounding	Oral	<i>Study on the dispersion and transparency of PET-based nanocomposites prepared by twin-screw extrusion with elongational flow</i>	Kazuki Onishi	Doshisha University	Japan	Monday, June 1
275	Rheology and characterization	Oral	<i>Gas-Assisted Rheology: Understanding Polyethylene Behavior Under Elevated Pressure</i>	Matthias Walluch	Anton Paar GmbH	Austria	Monday, June 1
278	Composites, Blends and Alloys	Oral	<i>Influence of processing parameters on the porosity of glass fiber polypropylene laminates and non-destructive porosity measurement</i>	Philipp Brandes	Paderborn University	Germany	Tuesday, June 2
279	Morphology and structural development	Oral	<i>Use of Small-angle Scattering Combined with Ridge Regression for Void Structure Analysis of Carbon Fibers</i>	Wataru Takarada	Shinshu University	Japan	Tuesday, June 2
281	Modeling and simulation	Oral	<i>Evaluation of Ring Shear Testing as a Reference Method for DEM Parameterization of Polypropylene Particles</i>	Timm Rempel	Paderborn University	Germany	Wednesday, June 3
283	Solid state processing and properties	Oral	<i>Influences of Processing and Heating Strategies in Twin-Sheet Thermoforming</i>	Lars Schmohl	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
284	Modeling and simulation	Oral	<i>Unraveling the behavior of CO₂ nanofoaming in polycarbonate through coarse-grained molecular dynamics simulations</i>	Isato Harada	Nagoya University	Japan	Tuesday, June 2
285	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Setup and validation of an experimental protocol for assessing the degradation extent of plastic waste</i>	Chiara Gnoffo	Polytechnic of Turin	Italy	Monday, June 1
286	Smart polymers and special applications	Keynote	<i>High-Performance Aerogel-Fibrous Triboelectric Nanogenerator for Self-Powered Energy Harvesting under Harsh Conditions</i>	Hani Naguib	University of Toronto	Canada	Monday, June 1
288	Modeling and simulation	Oral	<i>Micromechanical modeling of the hydrolytic aging of short glass fiber-reinforced polyamide</i>	Mahmoud Ashour	Robert Bosch GmbH / PIMM Laboratory	Germany	Wednesday, June 3
289	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Upcycling of plastic blends from WEEE through polymer processing methods</i>	Agathe Navailles	PIMM laboratory	France	Monday, June 1
291	Fibers and Films	Keynote	<i>Solid-state processing of intractable polymers for unprecedented performance</i>	Sanjay Rastogi	KAUST	Saudi Arabia	Wednesday, June 3
292	Machine Learning in Polymer Processing	Keynote	<i>Data-Driven Prediction and Design of Flame-Retardant Epoxy Materials and Textiles</i>	Aurelio Bifulco	Department of Chemical, Materials and Production Engineering (DICMaPI), University of Naples Federico II, P.le Tecchio 80, 80125 Naples, Italy	Italy	Thursday, June 4

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
293	Modeling and simulation	Oral	<i>A Physics-Informed Digital Twin Framework for Resin Transfer Molding Based on Closed-Loop Integration of Experiment, Simulation, and PINN</i>	Yikai Kao	Department of Chemical Engineering, National Tsing Hua University	Taiwan	Wednesday, June 3
294	Aeronautical and Aerospace applications	Oral	<i>Investigation of the potential use of a MEMS microphone array for the contactless characterization of anisotropic material properties</i>	Timo Mörk	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3
295	Additive Manufacturing of Polymers	Oral	<i>Effects of Light Intensity on the Precision and Surface Roughness of Parts Printed by Volumetric Additive Manufacturing (VAM)</i>	Aminul Islam	Department of Civil and Mechanical Engineering, Technical University of Denmark	Denmark	Wednesday, June 3
297	Injection molding, micromolding and molds	Oral	<i>Self-Reinforcement of Liquid Crystalline Polymers Using 3D-Printed Inserts in the Injection Moulding Process</i>	Stefan Schiewe	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3
300	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Addressing performance gaps in bioplastics: a study on co-extruded PHBV/MaterBi film for barrier food packaging</i>	Similoluwa Oluwaferanmi Orisaya-Taiwo	University of Salerno	Italy	Thursday, June 4
301	Injection molding, micromolding and molds	Oral	<i>Injection molding with post-consumer recycled polypropylene: overcoming processing and performance challenges</i>	Anna Bortoletto	University of Padova	Italy	Tuesday, June 2
303	Composites, Blends and Alloys	Oral	<i>Thermally conductive composites based on low density polyethylene and hexagonal boron nitride, with low environmental impacts</i>	Sacha Beaumel	IMT Mines Ales	France	Thursday, June 4
305	Modeling and simulation	Oral	<i>In silico investigation of the morphology evolution of polymer blends in twin-screw extrusion</i>	Michele Giglio	Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale, Università degli Studi di Napoli Federico II, P.le Tecchio, 80, Napoli 80125, Italy	Italy	Wednesday, June 3
306	Composites, Blends and Alloys	Keynote	<i>Synergistic Hybridization of Carbon Fillers and Its Influence on the Electrical, Thermal, and Mechanical Behaviors of PVDF-Based Composites</i>	Frej Mighri	Laval University	Canada	Wednesday, June 3
307	Nanotechnology and Nanocomposites	Oral	<i>3D printing of titania-based polymer nanocomposites: geometry-dependent photocatalytic performance</i>	Libera Vitiello	Institute for Polymers, Composites and Biomaterials (IPCB) – CNR – Via Paolo Gaifami 18, 95126	Italy	Monday, June 1
312	Composites, Blends and Alloys	Oral	<i>Recycling of glass fiber reinforced thermoplastic composites for reuse in injection molding: Optimization of shredding and investigation of fiber dispersion in the melt</i>	Maurice Wittler	Paderborn University	Germany	Wednesday, June 3
313	Biomedical applications	Oral	<i>Collagen Matrices for Drug Delivery in the Context of Glioblastoma Therapy</i>	Barbara Guzdek	Silesian University of Technology	Poland	Tuesday, June 2
314	Additive Manufacturing of Polymers	Keynote	<i>Development and Characterization of PVDF/ZnO/MWCNT-Based Piezoelectric Nanocomposites for 3D Printing of Energy Sensors</i>	Ana Ares-Pernas	Universidade da Coruña	Spain	Wednesday, June 3
315	Solid state processing and properties	Oral	<i>Solid-State Mixing of Immiscible Polymers: A New Approach to Nanoscale Homogenization Without Compatibilizers</i>	Iurii Vozniak	Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences	Poland	Monday, June 1

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
316	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Impact Resistance of Laminated Composites Reinforced with Recycled Boat Sails</i>	José Baamonde González	Universidade da Coruña	Spain	Thursday, June 4
318	Morphology and structural development	Oral	<i>Long-Term Stability of Flow-Induced Crystallization Precursors in Isotactic Polypropylene</i>	Hamid Seyed Khabbaz	Maastricht University	Netherlands	Wednesday, June 3
319	Rheology and characterization	Oral	<i>Quality control of recycled PE, PP and PET using LED based Hyperspectral Imaging</i>	André Stollberger	SKZ – German Plastics Center	Germany	Thursday, June 4
320	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>The effect of the pre-recycling degradation level on the recyclability of polypropylene</i>	Rachel Stam	Maastricht University	Netherlands	Tuesday, June 2
322	Additive Manufacturing of Polymers	Keynote	<i>Direct Extrusion Additive Manufacturing of Pellet-Based Feedstocks: A Bottom-Up Approach for Process Optimization</i>	Ludwig Cardon	Ghent University	Belgium	Wednesday, June 3
323	Modeling and simulation	Oral	<i>Modeling of the plug assisted thermoforming process with special emphasis on friction and heat transfer</i>	Florian Schwär	Baden-Wuerttemberg Cooperative State University	Germany	Tuesday, June 2
325	Rubber, elastomers and thermosets	Oral	<i>An experimental study of influence of crosslinked components on material recycled fluoroelastomer</i>	Shigenobu Honda	NOK Corporation	Japan	Thursday, June 4
327	Composites, Blends and Alloys	Oral	<i>Characterization And Modeling Of Gas Permeability Of Thermoplastic Matrix Composites</i>	Andrea Dei Sommi	University of Salento	Italy	Wednesday, June 3
329	Morphology and structural development	Oral	<i>Advanced fiber morphology determination in short fiber reinforced plastics using tracer fibers</i>	Mike Kornely	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
330	Injection molding, micromolding and molds	Oral	<i>Injection Moulding Compounders: Integrated Processing Route for Enhanced Thermoplastic Composite Performance and Less Environmental Impact?</i>	Zahra Shahroodi	Technical university of Leoben	Austria	Tuesday, June 2
332	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Turning Marine Waste into Value: Sustainable PLA Biocomposites with Posidonia Oceanica Leaf Waste and Mackerel Residues as Natural Plasticizer</i>	Maria Clara Citarrella	University of Palermo	Italy	Monday, June 1
334	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Label-free PET nanoplastics: Production, Characterization and In Vivo Assessment</i>	Francesca Lionetto	University of Salento	Italy	Tuesday, June 2
336	Machine Learning in Polymer Processing	Oral	<i>Fiber Diameter Prediction of Electrospun Polymers Utilizing Machine Learning Models</i>	Amani Russell	University of Akron	United States	Monday, June 1
341	Fibers and Films	Oral	<i>Scaling Up Electrospinning via Extensional Rheology and Electric-Field Control</i>	Nicole Demarquette	Ecole de Technologie Superieure	Canada	Monday, June 1
342	Foams and Membranes	Keynote	<i>Solving New Problems Using Old Porous Polymer Materials</i>	Sadhan Jana	The University of Akron	United States	Monday, June 1
343	Additive Manufacturing of Polymers	Oral	<i>Waterborne Hierarchical Network Assembly for DIW 3D Printing of Highly Conductive and flexible MWCNT Composites</i>	Hossein Ipakchi	University of Waterloo	Canada	Wednesday, June 3

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
344	Biomedical applications	Oral	<i>Development of Ultrasensitive Electrochemical Biosensors Based on Electroactive Materials and Nanoparticles</i>	Magdalena Stolarczyk	Silesian University of Technology	Poland	Tuesday, June 2
345	Morphology and structural development	Oral	<i>Morphological Evolutions and Strain-induced Micromechanics of Polyhydroxyalkanoate-blend fibers confined with Linezolid</i>	Ramin Hosseinnezhad	Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences	Poland	Tuesday, June 2
346	Foams and Membranes	Oral	<i>The effect of PTFE/CF hybrid nanofibers on the morphology, mechanical and rheological responses of PLA composite foams</i>	Silla George Raju	BioMedChem Doctoral School of University of Lodz and Lodz Institute of the Polish Academy of Sciences	Poland	Monday, June 1
347	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>The effects of mechanical recycling on the properties of an impact PP copolymer by multiple injection molding reprocessing loops</i>	Yves Béreaux	GEPEA	France	Wednesday, June 3
348	Additive Manufacturing of Polymers	Keynote	<i>Additive manufacturing of electroactive polymers: structure-processing-property relationships</i>	Audrey Laventure	Université de Montréal	Canada	Thursday, June 4
349	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Development of recycled film using PP-based mono-material laminated film</i>	Tamotsu Inoue	Toyo College of Food Technology	Japan	Thursday, June 4
354	Modeling and simulation	Keynote	<i>Yield Stress Viscosity Models in Injection Molding Simulation of Highly Filled Polymers</i>	Franco Costa	Autodesk	Australia	Monday, June 1
358	Foams and Membranes	Keynote	<i>Advanced Foaming Technologies for High-performance and Multi-functional Polymer Foams and Parts</i>	Qi Wang	State Key Laboratory of Advanced Polymer Materials, Polymer Research Institute of Sichuan University	China	Tuesday, June 2
360	Fibers and Films	Oral	<i>Localized High-Temperature Heating near the Spinning Nozzle during Melt Spinning of High-Molecular-Weight PET: Enhancement of Fiber Spinnability and Toughness</i>	Wan-Gyu Hahm	Korea Institute of Industrial Technology	Korea, Republic of	Tuesday, June 2
361	Nanotechnology and Nanocomposites	Oral	<i>ZIF-8-Integrated Self-Healing Dynamic Polymer Network for Robust and Flexible Fabric based Supercapacitors</i>	Aparajita Pal	Indian Institute of Technology Kharagpur	India	Wednesday, June 3
363	Composites, Blends and Alloys	Oral	<i>Development of PEO/PVDF Polymer Electrolyte Films for Solid-State Battery Applications</i>	Chengying Liu	Institute of Science Tokyo	Japan	Wednesday, June 3
364	Smart polymers and special applications	Oral	<i>Tunable Polarisation-Driven Enhancement of Piezoelectricity and Triboelectricity in Poly(vinylidene fluoride) Nanocomposites for Flexible Dual-Mode Energy Harvesting</i>	Siju Mishra	IIT BOMBAY	India	Monday, June 1
365	Fibers and Films	Oral	<i>Shaping Barriers: The Role of Thermoforming Conditions in Moisture Barrier Performance of Sustainable Blister Films</i>	Jan Pech	TU Dortmund University	Germany	Monday, June 1
366	Rheology and characterization	Oral	<i>On the Elongational Viscosity of Filled Polymers</i>	Irina Mostovenko	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3
367	Composites, Blends and Alloys	Oral	<i>Optimisation of the mechanical properties of polyhydroxyalkanoates by means of binary blends and regenerated cellulose fibres</i>	Frederik Gutbrod	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3
368	Composites, Blends and Alloys	Oral	<i>Breaking Mechanisms of Bendable Reinforcing Fibers</i>	Michael Seitz	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
369	Machine Learning in Polymer Processing	Oral	<i>BORAG: An AI-Guided Bayesian Optimization Framework for Sustainable Plastic Formulation</i>	Abdulqader Bin Sahl	Maastricht University	Netherlands	Tuesday, June 2
370	Rheology and characterization	Oral	<i>Understanding polymer melt flow dynamics using X-ray-based particle tracking velocimetry</i>	Jia Jie Wang	Institut für Kunststofftechnik, University of Stuttgart	Germany	Thursday, June 4
372	Modeling and simulation	Oral	<i>Simulation-based Optimization of the Thermoforming Process</i>	Marius Reitinger	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
373	Injection molding, micromolding and molds	Oral	<i>Material- and process-induced uncertainties in the mechanical properties of short fiber reinforced thermoplastics</i>	Vanessa Hauschel	Robert Bosch GmbH, Corporate Sector Research and Advance Engineering	Germany	Tuesday, June 2
374	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Degradation Mechanisms and Slow Crack Growth Performance in Recycled and Reprocessed HDPE</i>	Florian Arbeiter	Technical University of Leoben	Austria	Thursday, June 4
375	Modeling and simulation	Keynote	<i>Accurate and Efficient Prediction of Capillary Underfill Flow Behavior via the Hybrid-EBG Model</i>	Sheng-Jye Hwang	Department of Mechanical Engineering, National Cheng Kung University	Taiwan	Wednesday, June 3
377	Smart polymers and special applications	Oral	<i>Sustainable UV-Curable Ionogels for Sensor and Soft Robotic applications</i>	Maksims Jurinovs	Institute of Chemistry and Chemical Technology, Faculty of Natural Sciences and Technology, Riga Technical University	Latvia	Monday, June 1
381	Rheology and characterization	Oral	<i>Effect of strain hardening on the interfacial stress in coextruded bilayers: Experiments and viscoelastic flow simulations</i>	Keiko Takeda	Yamagata University	Japan	Monday, June 1
383	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Thinking Sustainably: Furan-Based Polyesters Made from Renewable Resources</i>	Sandra Paszkiewicz	West Pomeranian University of Technology in Szczecin	Poland	Thursday, June 4
384	Additive Manufacturing of Polymers	Oral	<i>Beyond One-Directional Protection: Multi-Material Mechanical Metamaterials for Adaptive Force Routing</i>	Aamer Nazir	King Fahd University of Petroleum and Minerals	Saudi Arabia	Monday, June 1
385	Injection molding, micromolding and molds	Oral	<i>Analysis of Factors Influencing Filament Stringing at the Injection Point of a Polystyrene Part Caused by an Open Hot Runner Nozzle</i>	Till O. Bay	TH Köln - University of Applied Sciences	Germany	Wednesday, June 3
387	Extrusion, Mixing and Compounding	Oral	<i>Model-based Control Strategy for Targeted Adjustment of the Melt Flow Rate of Polymer Blends</i>	Michael Wenninger	Competence Center Chase GmbH	Austria	Monday, June 1
390	Foams and Membranes	Oral	<i>MOF-Assisted Microcellular Foaming in Thermoplastic Polyurethane: Design Strategies and Mechanistic Understanding</i>	Weitai Yu	The Hong Kong University of Science and Technology (Guangzhou)	China	Monday, June 1
392	Foams and Membranes	Oral	<i>Recyclable Silicone Rubber Foams via Dynamic Covalent Networks</i>	Jun Wang	Hong Kong University of Science and Technology (Guangzhou)	China	Tuesday, June 2
394	Modeling and simulation	Oral	<i>Modeling the Orientation of Liquid Crystal Polymers in Tapered Flow Channels</i>	Gernot Zitzenbacher	University of Applied Sciences Upper Austria, School of Engineering	Austria	Monday, June 1
396	Nanotechnology and Nanocomposites	Oral	<i>Dispersion of cellulose nanocrystals in polyvinyl alcohol : effect of processing routes on rheological and mechanical behaviour</i>	Aurélie Taguet	Polymers, Composites and Hybrids, IMT Mines Ales	France	Monday, June 1

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
397	Foams and Membranes	Oral	<i>Engineering Non-Covalent Interactions for Kinetic Control over Cell Stability in Recyclable Epoxy Foams</i>	Shuang Guo	Advanced Materials Thrust, The Hong Kong University of Science and Technology (Guangzhou)	China	Wednesday, June 3
398	Rubber, elastomers and thermosets	Oral	<i>Quasi-Zero Stiffness in Additively Manufactured Kresling Structures tuned by Silicone Encapsulation and Infill Design for Elastomeric Sealing Concepts</i>	Carina Emminger	Johannes Kepler University Linz	Austria	Thursday, June 4
399	Fibers and Films	Oral	<i>Effect of spin-line heating on drawn fiber properties of Syndiotactic Polystyrene</i>	Shoei Ichimiya	Shinshu University	Japan	Tuesday, June 2
400	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Thermal stability investigation of natural fibers in fossil-based thermoplastics for hot runner injection mold systems</i>	Dennis Müller	TU Ilmenau	Germany	Wednesday, June 3
401	Composites, Blends and Alloys	Oral	<i>Assessing the recyclability of flexible multilayer barrier films based on polypropylene: Strategies, Mechanical and Rheological Performances</i>	Hissein Bechibo Adam	Université de Lyon, CNRS, UMR 5223, Ingénierie des Matériaux Polymères, Université Claude Bernard Lyon 1, INSA Lyon, Université Jean Monnet, F-69621	France	Wednesday, June 3
408	Composites, Blends and Alloys	Oral	<i>Investigation on Testing Fluids for the Visualization of Fiber Impregnation in Pultrusion</i>	Laura Klis	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
409	Foams and Membranes	Oral	<i>Reactive Extrusion for Processing Recycled Polyurethane Foams</i>	Lukas Fritsch	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
412	Biomedical applications	Oral	<i>Magneto-Responsive PEG-CA Hyperbranched Polymer-Ferrite Nanocomposites for Combined Hyperthermia and Controlled Drug Delivery</i>	Sreeja Nath Chowdhury	Indian institute of Technology, Kharagpur	India	Tuesday, June 2
413	Foams and Membranes	Oral	<i>Influence of Mechanical Treatment, Suspension Concentration, and Citric Acid Cross-Linking on the Production of Bacterial Cellulose Aerogel</i>	Edoardo Zonta	University of Trento	Italy	Monday, June 1
414	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Preparation and performance research of reprocessable vanillin-based epoxy resins</i>	Songjie Xu	Zhejiang University of technology	China	Wednesday, June 3
415	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>A Methodological Compatibility Approach to Green Solvent Selection for PLA and PCL Electrospinning to Overcome Solvent Lock-In</i>	Emmanuel Fortunato Gulino	University of Palermo	Italy	Wednesday, June 3
417	Rheology and characterization	Oral	<i>Improving the extrapolation capability of shear viscosity models obtained through in-line rheometry by automated selective weighing</i>	Jakub Kuncak	Institute of Polymer Processing and Digitalization, Johannes Kepler Universitaet	Austria	Monday, June 1
419	Modeling and simulation	Oral	<i>Part Thickness distribution analysis of vacuum forming process with High-Aspect ratio deep draw feature design through FEA simulation study</i>	Ge Chen	Singapore Institution of Manufacturing Technology	Singapore	Wednesday, June 3
422	Modeling and simulation	Oral	<i>Atomistic Insights into PET Degradation containing Phosphorus Flame Retardants: A Combined ReaxFF-MD and Experimental Study</i>	Jiuke Chen	Empa, Swiss Federal Laboratories for Materials Science and Technology, Laboratory of Advanced Fibers	Switzerland	Tuesday, June 2
423	Machine Learning in Polymer Processing	Oral	<i>Data-Driven Prediction of Melt Flow Rate from Process Data in the Extrusion of Virgin and Recyclate Materials</i>	Edim Zdravovic	Competence Center Chase GmbH	Austria	Tuesday, June 2

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424	Aeronautical and Aerospace applications	Keynote	<i>Testing Plastic Components with improved Resolution Using Structural IR-Excitation and Lock-in Thermography</i>	Marc Kreutzbruck	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3
425	Morphology and structural development	Oral	<i>The role of Pressure in Polymorphic Transitions of Polybutene-1: evidence from High-Pressure dilatometry</i>	Federico Olla	Politecnico di Milano	Italy	Tuesday, June 2
427	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Cracking the Code of Recyclates: How AI + DSC Transform Circular Plastics Quality</i>	Sara Simon	NETZSCH	Germany	Tuesday, June 2
430	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Effect of reprocessing on thermal, rheological, mechanical and surface features of polybutylene succinate-based bio-composites</i>	Annamaria Visco	University of Messina, Engineering Department	Italy	Tuesday, June 2
431	Foams and Membranes	Oral	<i>Tailoring TPU Foam Morphology with Nanostructured Silica: High Cell Density Structures for Advanced Engineering Applications</i>	Shu-Kai Yeh	Taiwan Tech	Taiwan	Monday, June 1
432	Composites, Blends and Alloys	Oral	<i>Development of Overcoated Prepreg Filaments for Sustainable Composites</i>	Sithiprumnea Dul	Laboratory for Advanced Fibers, Empa	Switzerland	Monday, June 1
433	Additive Manufacturing of Polymers	Oral	<i>Application-tailored cushioning properties using lattice structures 3D-printed from a 30 Shore A SEBS compound</i>	Paul Dijkstra	Windesheim University of Applied Sciences	Netherlands	Thursday, June 4
434	Solid state processing and properties	Oral	<i>Investigation of a thermoforming process for the direct application of design elements</i>	Dominik Müller	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
435	Foams and Membranes	Oral	<i>Modification of the Biopolymer Polyhydroxyalkanoate (PHA) for Improved Foam Processing and Performance</i>	Ann-Christin Rusko	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
436	Smart polymers and special applications	Oral	<i>Bio-Derived Nanocellulose Photonic Composites: Multifunctional Platforms for Security Encryption, Sensing, and Intelligent Packaging</i>	Pradip Kumar Maji	Indian Institute of Technology Roorkee	India	Tuesday, June 2
437	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Effects of fully organic phosphorus-sulfur flame retardants on the degradation of polypropylene</i>	Roy de Haan	Maastricht University	Netherlands	Tuesday, June 2
439	Machine Learning in Polymer Processing	Oral	<i>Accelerating Plastic Formulations Design with Machine learning: Bayesian Optimization and Compressed Sensing</i>	Wouter Arends	Maastricht University	Netherlands	Monday, June 1
440	Modeling and simulation	Oral	<i>ML-assisted Multi-scale simulation of well-entangled polymer melt flows</i>	Takashi Taniguchi	Kyoto University	Japan	Wednesday, June 3
441	Composites, Blends and Alloys	Oral	<i>Influence of Filler Morphology and Interfacial Bonding on the Fracture Behavior of Polypropylene-Based Composites</i>	Kübra Güzel Trabert	Institute of Materials Engineering, Plastics Engineering, University of Kassel	Germany	Monday, June 1
444	Injection molding, micromolding and molds	Oral	<i>Injection-Molded Plastic-Metal Joints in Electronics Applications in Automotive Mobility</i>	David Armbruster	Institut für Kunststofftechnik, University of Stuttgart	Germany	Tuesday, June 2
445	Rheology and characterization	Oral	<i>Rheological assessments of reprocessed neat and carbon black compound of bimodal high density polyethylene</i>	Gholamreza Pircheraghi	Sharif University of Technology	Iran	Monday, June 1

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
446	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Oral	<i>Advancing Sustainability in Winter Sports: Scalable Recycling of Multi-Material Ski Boots</i>	Nina Krempl	Technical University of Leoben - Institute of Polymer Processing	Austria	Monday, June 1
447	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Biobased Plastics Modified For Technical Applications</i>	Christian Bonten	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3
448	Morphology and structural development	Oral	<i>How Interfacial Tension Governs Laminar-Like Structure Development in Reactive Compatibilized PP/EVOH</i>	Lucas Staffa	Federal University of São Carlos	Brazil	Monday, June 1
449	Nanotechnology and Nanocomposites	Oral	<i>Influence of solvent treatment on the thermoelectric properties of single-walled carbon nanotubes</i>	Marén Gültner	Leibniz-Institut für Polymerforschung Dresden e.V.	Germany	Monday, June 1
451	Extrusion, Mixing and Compounding	Oral	<i>Reactive Processing of P3HB/P3HB4HB Systems via Electron-Irradiation during melt Mixing</i>	David Krieg	Institute for Circular Economy of Bio:Polymers (ibp) at Hof University	Germany	Tuesday, June 2
453	Modeling and simulation	Oral	<i>Investigation of the geometry influence on the screw forces for a co-rotating twin-screw extruder in fully filled melt-dominated regions</i>	Gerald Berger-Weber	Johannes Kepler University	Austria	Wednesday, June 3
454	Composites, Blends and Alloys	Oral	<i>Thermal Stabilization of The Biopolymer PHB for Mechanical Recycling via Reactive Extrusion</i>	Nils Huber	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
455	Additive Manufacturing of Polymers	Oral	<i>Influence of Melt Rheology on the Processability of PLA/PBSA Blends for FDM 3D Printing</i>	Francesco Palmieri	University of Salerno	Italy	Wednesday, June 3
456	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Rheological Insights into Azo Pigment-Induced Degradation and Processability of Recycled HDPE</i>	Annu Pawar	Maastricht University	Netherlands	Tuesday, June 2
457	Smart polymers and special applications	Oral	<i>Development and Characterization of Active Magnetorheological Poroelastic Composites</i>	Stefania Scala	University of Naples Federico II, Department of Neuroscience and Reproductive Sciences and Dentistry	Italy	Tuesday, June 2
458	Rubber, elastomers and thermosets	Oral	<i>Understanding Additive Migration: A Multi-Scale approach of structural and property Evolution</i>	Marica Gallo	Department of Chemical, Materials and Industrial Production Engineering, University of Naples Federico II	Italy	Monday, June 1
459	Foams and Membranes	Oral	<i>Modeling of diffusion and erosion kinetics in graded foams for controlled drug release under acidic conditions</i>	Paolo Trucillo	Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale, University of Naples Federico II, Piazzale Vincenzo Tecchio, 80, 80125	Italy	Tuesday, June 2
462	Foams and Membranes	Oral	<i>Microcellular injection molding of recycled TPU foams: process-induced degradation, cell structure, and mechanical properties</i>	Francesco Maciariello	University of Padova	Italy	Thursday, June 4
464	Injection molding, micromolding and molds	Oral	<i>A Simulation-Driven Methodology for Sensor Placement in Injection Molding Enabling Real-Time Part-Performance Feedback</i>	Jarne Vanherck	KU Leuven, LMSD-Departement of Mechanical Engineering, campus Diepenbeek	Belgium	Tuesday, June 2
465	Modeling and simulation	Oral	<i>Highly dynamic material characterization using digital image correlation</i>	Pascal Winkler	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
466	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Oral	<i>Data-Driven Framework for Additively Manufactured Prosthetic Foot Design</i>	Letizia Rosseti	University of Genoa	Italy	Monday, June 1
467	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Mechanical recycling of PET and PA blended textiles with elastane: Process optimization in pretreatment by improving pellet quality with variable binding agents on a laboratory-scale</i>	Sahra Pogrzeba	IKK - Institute of Plastics and Circular Economy	Germany	Wednesday, June 3
468	Machine Learning in Polymer Processing	Oral	<i>Lightning-Fast Machine Learning Framework for Injection Molding Quality Prediction: Integrating Auto-Annotation Methods with Gradient Boosting for Part Quality Assessment</i>	Bernhard Cäsar	Johannes Kepler Universität	Austria	Thursday, June 4
470	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>The relevance of degradation reactions during PET Mechanical Recycling</i>	Erion Bezeraj	Centre for Polymer and Material Technologies - Ghent University	Belgium	Wednesday, June 3
471	Rheology and characterization	Oral	<i>Modelling and experimental evaluation of epoxy nanocomposites for lightweight hydrogen storage tanks: from processing to gas barrier performance</i>	Giorgia De Piano	University of Salerno	Italy	Wednesday, June 3
473	Foams and Membranes	Oral	<i>Determination of the Aging Behaviour of Polyurethane Foams in District Heating Pipes Using Combined TGA and FT-IR Analysis</i>	Ricardo Bernhardt	Leibniz Institute of Polymer Research Dresden	Germany	Tuesday, June 2
474	Additive Manufacturing of Polymers	Oral	<i>3D Printing of Flexible PVDF-Based Piezoelectric Generator Devices</i>	Yinghong Chen	State Key Laboratory of Advanced Polymer Materials, Polymer Research Institute, Sichuan University	China	Tuesday, June 2
476	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Chemical Recycling of PVC: From Polymer Recovery to Advanced Polymer Reprocessing and Applications</i>	Léo Bon	IFPEN	France	Wednesday, June 3
478	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Impacts of additives in plastics recycling</i>	Ali Gooneie	Circular plastics, Maastricht University	Netherlands	Tuesday, June 2
479	Additive Manufacturing of Polymers	Oral	<i>Enhancing Structural Integrity of SLA Printed Lattices via AI-Based Mechanical Optimization</i>	Marcello Laurenti	University of Rome La Sapienza	Italy	Wednesday, June 3
480	Extrusion, Mixing and Compounding	Oral	<i>Holistic Energy Monitoring and Optimization in Twin-Screw Extrusion: A Data-Driven Approach for Sustainable Pellet Production of HDPE</i>	Stefan Kerkenberg	Institute of Plastics and Circular Economy	Germany	Tuesday, June 2
481	Rubber, elastomers and thermosets	Oral	<i>Tribological Performance of Nitrile Butadiene Rubber as Affected by Vulcanization Conditions</i>	Margarete Hufnagl	Polymer Competence Center Leoben	Austria	Thursday, June 4
483	Composites, Blends and Alloys	Oral	<i>Development of a compatibility index for binary plastic blends – method selection, parameter analysis, and definition of a weighted evaluation scheme</i>	Simon Lowitzki	Institut für Kunststoff- und Kreislauftechnik	Germany	Thursday, June 4
484	Modeling and simulation	Oral	<i>Flow Simulation of In-situ Pultrusion with Variable Porosity: Bridging Experiment and Model</i>	Marcel Ratka	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
486	Injection molding, micromolding and molds	Oral	<i>Influence of compatibilizer on weld line performance of recycled PP materials</i>	Caitlin Vandebuerie	KU Leuven, Structural materials, campus Brugge	Belgium	Tuesday, June 2

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487	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	Exploring the impact of polymeric contaminants in electrostatic discharge properties of recycled polypropylene	Rucha Kakatkar	Maastricht University	Netherlands	Monday, June 1
489	Modeling and simulation	Keynote	Coupled Matrix-Based Monte Carlo Simulations for Detailed Polymer Microstructure Characterization and Material Property Estimation	Freddy L. Figueira	Laboratory for Chemical Technology (LCT), Ghent University	Belgium	Wednesday, June 3
493	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	Predicting Energy Consumption and Carbon Footprint based on process simulation	Armin Kech	Robert Bosch GmbH	Germany	Thursday, June 4
494	Rheology and characterization	Oral	Process limitations and prediction of melt instabilities for polypropylene-low density polyethylene blends in melt spinning	Arthur Henderyckx	KU Leuven, Structural materials, campus Brugge	Belgium	Monday, June 1
495	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	Chemical Recycling Of Viscoelastic Polyurethane Foams Via Acidolysis	Michele Modesti	University of Padova, Dep.t of Industrial Engineering	Italy	Thursday, June 4
496	Nanotechnology and Nanocomposites	Oral	High-Entropy Single-Atom Metals on Polymer Templates for Enhanced Hydrogen Production	Petr Sába	Centre of Polymer Systems, University Institute, Tomas Bata University in Zlín	Czechia	Wednesday, June 3
499	Morphology and structural development	Keynote	The impact of thermal oxidation on the crystalline phase of PA11 powder for SLS process	Bruno Fayolle	PIMM lab	France	Tuesday, June 2
502	Morphology and structural development	Oral	Correlation between Microstructure and Permeability in Polyolefin Packaging Films	Taylor Young	Polymateria	United Kingdom	Wednesday, June 3
503	Additive Manufacturing of Polymers	Oral	Sustainable Recycling of PA12 Waste Powder: Enhancing FGF Processability via Thermo-Mechanical Behavior Optimization	Mahboobeh Shahnooshi	Faculty of Sustainable Engineering, Hamburg University of Applied Sciences	Germany	Wednesday, June 3
504	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	Standardization of Melt Flow and Mechanical Properties in Upcycled Polypropylene from Contaminated Flexible Intermediate Bulk Containers	Nora Catalina Restrepo Zapata	Universidad Autónoma de Chile	Chile	Wednesday, June 3
507	Composites, Blends and Alloys	Keynote	The application of eugenol as a sustainable raw material in the production of epoxy resins and composites	Danuta Matykiewicz	Poznan University of Technology, Faculty of Mechanical Engineering	Poland	Tuesday, June 2
508	Fibers and Films	Oral	Advancing circular packaging: Design-for-recycling strategies for polyethylene multilayer films	Ilke Pelgrims	Centre for Polymer and Material Technologies (CPMT)	Belgium	Monday, June 1
510	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	Investigating Furan-based Polymers for Sustainable Pharmaceutical Blister Packaging	Caitlin Chee	Queen's University Belfast	United Kingdom	Wednesday, June 3
511	Morphology and structural development	Oral	Tuning Crystallinity and Barrier Performance of Cast-Extruded PLA Films through Processing Parameters and Post-Annealing	Silvia Zanatta	University of Padova	Italy	Wednesday, June 3
515	Extrusion, Mixing and Compounding	Oral	Processing and functional properties of multilayer liners for hydrogen storage	Blandine Fichet	CNAM, PIMM laboratory	France	Monday, June 1
518	Modeling and simulation	Oral	Leveraging Hybrid Modelling and Reverse-Engineering for Corrugated Pipe Design	Hanny Albrecht	Pro2Future GmbH	Austria	Tuesday, June 2
519	Additive Manufacturing of Polymers	Oral	3D-Printed TPU Composites with Phase-Change Materials for Sport and Wearable Applications	Daniele Rigotti	University of Trento	Italy	Tuesday, June 2

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520	Extrusion, Mixing and Compounding	Oral	<i>Enhancing Aerospace Component Performance through Next-Generation EMI Shielding Materials</i>	Cristiana Pereira	INEGI	Portugal	Wednesday, June 3
522	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Improving the melt-processability of dialcohol cellulose fibres using low volatility plasticizers and blending with thermoplastic natural polymers</i>	Enrica Pellegrino	Politecnico di Torino	Italy	Monday, June 1
523	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Sustainable Barrier Films for Paper Packaging: Development of Bio-Based Formulations and the Role of PVD Coatings</i>	Américo Cunha	CeNTI - Centre for Nanotechnology and Advanced Materials	Portugal	Tuesday, June 2
524	Composites, Blends and Alloys	Oral	<i>Process Development and Optimisation of Continuous Carbon Fibre/PEEK Filament for Large-Format Additive Manufacturing</i>	Pedro Pedrosa	INEGI	Portugal	Monday, June 1
526	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>AutoPlastic Project: Advancing Plastic Circularity in End-of-Life Vehicles</i>	Sanjay Pal	Circular Plastics, Department of Circular Chemical Engineering, Faculty of Science and Engineering, Maastricht University,	Netherlands	Thursday, June 4
527	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Material quality, circularity, and sustainability in complex products: Learnings and gaps from LCA and MCI</i>	Cris García-Saravia Ortiz-de-Montellano	Maastricht University	Netherlands	Monday, June 1
528	Composites, Blends and Alloys	Oral	<i>Comparative Study on Bio-Calcium Carbonate Reinforcement in Virgin and Post-Consumer High Impact Polystyrene</i>	Michele Buono	DICAM, Department of Civil, Chemical, Environmental and Materials Engineering, University of Bologna	Italy	Wednesday, June 3
529	Solid state processing and properties	Keynote	<i>Fatigue lifetime assessment of short fiber reinforced thermoplastics based on damage accumulation</i>	Gerald Pinter	Technical University of Leoben	Austria	Monday, June 1
532	Modeling and simulation	Oral	<i>Interaction Between the Crack Tip Heating and the Fracture Mechanical Properties of Amorphous Plastics</i>	Johannes Kaiser	Institut für Kunststofftechnik, University of Stuttgart	Germany	Wednesday, June 3
533	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Mushroom Mycelium based Leather: An Eco-friendly Material for Shoe Uppers</i>	Adhir Chandra Paul	Center of Polymer Systems, University Institute, Tomas Bata University in Zlin, Trida Tomase Bati 5678, 76001	Czechia	Tuesday, June 2
537	Composites, Blends and Alloys	Oral	<i>Reactive processing of polyamide6-based syntactic foams containing phase change materials for sandwich composites with simultaneous structural and thermal performance</i>	Giulia Fredi	University of Trento, Department of Industrial Engineering and INSTM research unit	Italy	Tuesday, June 2
538	Rheology and characterization	Keynote	<i>Investigation of shear rheology in highly viscous polypropylene with a processing aid</i>	Frederik Desplentere	KU Leuven, Structural materials, campus Brugge	Belgium	Monday, June 1
541	Rheology and characterization	Keynote	<i>Interfacial Shear and Elongational Rheology of Immiscible Multi-Micro-nanolayered Polymers: Effect of Highly Mismatched Viscoelastic Properties and Modelling of Interfacial Tension Properties</i>	Khalid Lamnawar	INSA Lyon	France	Monday, June 1
542	Rheology and characterization	Oral	<i>Analytical study of the blood electroosmotic pulsatile flow using the Burgers rheological model. Effect of the slip and cholesterol content in the mass transport mechanisms</i>	Fausto Calderas	Universidad Nacional Autónoma de México	Mexico	Monday, June 1

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543	Extrusion, Mixing and Compounding	Oral	<i>Assessment of polysulfon, polyaramid 6 and high density polyethylen for high temperature intrinsic polymer–aluminium co-extrusion</i>	Enno Henn	Leibniz-Institute of Polymer Research	Germany	Monday, June 1
545	Machine Learning in Polymer Processing	Oral	<i>Investigation of dispersion models and classification algorithms for sorting plastics in the recycling process</i>	Timo Reindl	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
546	Composites, Blends and Alloys	Keynote	<i>Rotomolded hybrid composites filled with Arundo donax L. and ignimbrite dust</i>	Zaida Ortega	Universidad de Las Palmas de Gran Canaria	Spain	Monday, June 1
547	Injection molding, micromolding and molds	Oral	<i>Measurement strategy supported by numerical simulation to assess cycle time reduction in foam-assisted injection moulding</i>	Ward Vandaele	KU Leuven, , Structural materials, campus Brugge	Belgium	Tuesday, June 2
549	Injection molding, micromolding and molds	Oral	<i>When Speed Heats Up: How Viscous Dissipation Links Polymer Stability and Tool Wear in Injection Molding</i>	David Zidar	Montuniversität Leoben, Institute of Polymer Processing	Austria	Tuesday, June 2
550	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Experimental study on the influence of PCR-like material on the mechanical properties and long-term performance in polypropylene.</i>	Daniel Zach	Christian Doppler Laboratory ImReMat	Austria	Tuesday, June 2
552	Morphology and structural development	Oral	<i>Processing-structure-property relations of emulsion vs. mass polymerized ABS: effect of flow induced orientation</i>	Ellen Fernandez	Centre for Polymer and Material Technologies, Department of Materials, Textile and Chemical Engineering, Ghent University	Belgium	Monday, June 1
553	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Influence of melt polycondensation reaction conditions on the properties of furan-based polyesters</i>	Izabela Irska	West Pomeranian University of Technology in Szczecin	Poland	Wednesday, June 3
547	Injection molding, micromolding and molds	Oral	<i>Measurement strategy supported by numerical simulation to assess cycle time reduction in foam-assisted injection moulding</i>	Vandaele W.	KU Leuven	Belgium	
554	Rheology and characterization	Keynote	<i>Unraveling Flow-Induced Crystallization under Pressure: The Case of Isotactic Polypropylene</i>	Alicyn Rhoades	Penn State Behrend	United States	Thursday, June 4
555	Fibers and Films	Keynote	<i>Processing Natural Polymer Nanoyarns</i>	Caroline Schauer	Drexel University	United States	Monday, June 1
556	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>A Reactive Extrusion Approach for Chemomechanical Recycling of Polyethylene</i>	Margaret Sobkowicz	UMass Lowell	United States	Tuesday, June 2
558	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Upcycling End-of-Life Styrene–Acrylonitrile by Regaining and Matching the Properties of Virgin ABS: A Route to Greener and High-Performance Automotive Materials</i>	Sumaiya Farzana	University of Toronto	Canada	Tuesday, June 2
561	Machine Learning in Polymer Processing	Keynote	<i>Machine Learning-driven real-time quality control of blown film of recycled polyolefins</i>	Joao Maia	Case Western Reserve University	United States	Tuesday, June 2
562	Extrusion, Mixing and Compounding	Oral	<i>Rheological and Interfacial Behavior of Ceramic-Filled EAA in Multilayer Co-Extruded Films</i>	Mandy Zheng	Case Western Reserve University	United States	Monday, June 1
565	Rheology and characterization	Oral	<i>Rheological behavior of glass fiber-reinforced polyamide and recycled polyvinyl butyral blends compatibilized with SEBS-g-MA.</i>	Jorge Alberto Medina	Universidad de los Andes, Colombia	Colombia	Monday, June 1

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
569	Foams and Membranes	Oral	<i>Barrier Behavior of Single-Layer and Multilayer Polymer Films Compared with Glass Prefilled Syringe Structures</i>	Solmaz Karamikamkar	Toronto Metropolitan University	Canada	Tuesday, June 2
571	Fibers and Films	Oral	<i>Extrusion and Characterization of Biodegradable Agricultural Mulch Films with Controlled Nutrient Release</i>	Halka Inagaki	The University of Massachusetts Lowell	United States	Wednesday, June 3
573	Rheology and characterization	Keynote	<i>Melt rheology under shear and elongational flows of PA6/EVOH/modified ETFE reactive blends</i>	Masataka Sugimoto	Yamagata University	Japan	Wednesday, June 3
574	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Induction Heating-Assisted Debonding Process for Sustainable Recycling of Polymer-Metal Hybrid Joints</i>	Jiaxing Ren	The University of Tokyo	Japan	Thursday, June 4
579	Smart polymers and special applications	Oral	<i>High-Performance Hybrid 2D Nanomaterial Incorporated Poly(vinylidene fluoride) Nanocomposites for Sustainable Remediation and Efficient Energy Harvesting</i>	Abhishek Naskar	IIT Bombay	India	Wednesday, June 3
580	Additive Manufacturing of Polymers	Oral	<i>Highly Loaded Lignocellulose-Waste Bio-Composites Produced Using Fused Granulate Fabrication</i>	Oskars Platnieks	Riga Technical University	Latvia	Monday, June 1
585	Composites, Blends and Alloys	Oral	<i>A New Forced-Conveying Approach for Consistent Spreading of Carbon-Fiber Rovings</i>	Christian Marschik	Competence Center CHASE GmbH	Austria	Monday, June 1
587	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Novel Processing of Natural Fiber-Biopolymer Composites into Bio-LFTs</i>	Nursel Karakaya	Xplore Instruments	Netherlands	Wednesday, June 3
588	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Eco-Design of High-Performance PA11 Bio-Composites: The Role of hybride nanoparticles and Hemp Fibers</i>	Mehmet Kodal	Kocaeli University	Turkey	Wednesday, June 3
594	Biomedical applications	Oral	<i>Bioactive PLA/Collagen-Based Biocomposites: Design, Processing, and Biomedical Performance: Use Case - "bone screw"</i>	Guralp Ozkoc	Xplore Instruments	Netherlands	Wednesday, June 3
595	Rheology and characterization	Oral	<i>New Polymer Processing Additives for Extrusion</i>	Julia Resch	Institut für Kunststofftechnik, University of Stuttgart	Germany	Monday, June 1
596	Additive Manufacturing of Polymers	Keynote	<i>Additive Manufacturing with Shaping, Debinding and Sintering of Oxygen-Reactive Metals</i>	Clemens Holzer	Montanuniversitaet Leoben	Austria	Monday, June 1
597	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Raman in Motion: Challenging the Limits of Inline Spectroscopy in Polymer Recycling</i>	Matthias Frühwirth	Montanuniversitaet Leoben	Austria	Tuesday, June 2
599	Additive Manufacturing of Polymers	Oral	<i>Development and Characterization of Electrically Conductive Hot-Melt Adhesives for Additive Manufacturing</i>	Paulina Latko-Duratek	Faculty of Materials Science and Engineering, Warsaw University of Technology	Poland	Tuesday, June 2
601	Modeling and simulation	Oral	<i>Multi-Mode DIC-Based Calibration for Digital Twin Simulation of Complex ABS Thermoforming</i>	Seyed Rasoul Varedi	Department of Materials Engineering, KU Leuven, Bruges Campus	Belgium	Tuesday, June 2
606	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Assessing the quality of recycled polyolefins during extrusion via in-line gas analysis</i>	Rudinei Fiorio	Maastricht University	Netherlands	Tuesday, June 2

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607	Foams and Membranes	Oral	<i>Rheological Behaviors, Supercritical Foaming and Fatigue Behaviors of Poly(ether-b-amide) Elastomers</i>	Ping Zhu	CAS Key Laboratory of Engineering Plastics, Institute of Chemistry, Chinese Academy of Sciences	China	Wednesday, June 3
609	Fibers and Films	Oral	<i>Biomimetic Functional Polyimide-based Aerogel Fibers with Tunable Core-Shell Architecture</i>	Aliakbar Isari	School of Engineering, The University of British Columbia	Canada	Wednesday, June 3
610	Fibers and Films	Oral	<i>Ferroelectric Bacterial Cellulose from Renewable Carbon Sources for Next-Generation Wearable Electronics Devices.</i>	Hathaikarn Manuspiya	The Petroleum and Petrochemical College, Chulalongkorn University	Thailand	Wednesday, June 3
611	Additive Manufacturing of Polymers	Oral	<i>Immersion precipitation 3D printing of thermoplastic polyurethane hollow fiber structures for innovative extracorporeal membrane oxygenators</i>	Riccardo Onesti	Department of Civil, Chemical, Environmental and Materials Engineering (DICAM), Alma Mater Studiorum - University of Bologna	Italy	Monday, June 1
612	Nanotechnology and Nanocomposites	Oral	<i>Toward Next-Generation Hybrid Composites: Integrating Bio-Inspired Architecture and Green Nanomanufacturing</i>	Patrick Lee	University of Toronto	Canada	Wednesday, June 3
619	Machine Learning in Polymer Processing	Oral	<i>A Cognitive Digital Twin Framework for Optimizing Injection Molding Setup: From Tacit Knowledge to Data-Driven Efficiency</i>	Andrea Pieressa	Università degli Studi di Padova	Italy	Tuesday, June 2
620	Modeling and simulation	Keynote	<i>Development and Assessment of an Integrated Modelling Approach for the Extrusion Blow Modelling Process</i>	J. Miguel Nóbrega	Institute for Polymers and Composites, University of Minho, Campus de Azurém, 4800-058 Guimarães	Portugal	Tuesday, June 2
625	Composites, Blends and Alloys	Oral	<i>Improving the Interface and Flame-Retardant Performance of Polypropylene/Hemp Composites through Fiber Surface Modification</i>	Hande Celebi	Eskisehir Technical University	Turkey	Tuesday, June 2
628	Rheology and characterization	Oral	<i>Rapid Rheological Characterization of Polymers Using Optimally Windowed Chirps</i>	Shona Marsh	NETZSCH	United Kingdom	Wednesday, June 3
629	Solid state processing and properties	Oral	<i>Evaluating the Influence of Processing on the Fatigue Behaviour of Short Fiber-Reinforced Plastics at the Microscale</i>	Dario Kaylani	Technical University Leoben, Materials Science and Testing of Polymers	Austria	Monday, June 1
630	Rheology and characterization	Oral	<i>Pluronic rheology as a platform for advanced material design</i>	Angela Cerulo	DICMaPI, Università degli Studi di Napoli Federico II	Italy	Thursday, June 4
633	Biomedical applications	Oral	<i>Persian gum-Carboxymethyl Chitosan Complex Coacervates for Ibuprofen Encapsulation: Formulation and Characterisation</i>	Amirhossein Karimi	Technological University of the Shannon	Ireland	Monday, June 1
635	Modeling and simulation	Oral	<i>Accelerated Characterization of Polymer Responses in Bulk and Film Forms via High-Fidelity Virtualization of Standards</i>	Pei Hao	Department of Materials, Textiles and Chemical Engineering (MaTCh), Mechanics of Materials and Structures (MMS), Ghent University	Belgium	Wednesday, June 3
636	Foams and Membranes	Keynote	<i>Gas Transport Behavior and Selectivity Enhancement in Biochar-Modified Poly(butylene succinate) (PBSu) Membranes</i>	Maria Grazia De Angelis	University of Edinburgh	United Kingdom	Tuesday, June 2
637	Fibers and Films	Oral	<i>Engineering PBS-Vinyl Polymer Blends for High-Barrier Biodegradable Films: Structure, Processing, and Performance</i>	Annalisa Apicella	Department of Industrial Engineering, University of Salerno	Italy	Monday, June 1

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639	Additive Manufacturing of Polymers	Oral	<i>Rheological and Mechanical Optimization of Cellulose Nanofibril (CNF)-Reinforced Dual-Network Hydrogels for 3D Printing</i>	Chuanchom Aumnate	The Petroleum and Petrochemical College, Chulalongkorn University	Thailand	Tuesday, June 2
640	Morphology and structural development	Oral	<i>Raman Spectroscopic Analysis of Spatially Inhomogeneous Morphological Changes under Thermal Degradation Process of Polyethylene</i>	Takumitsu Kida	The University of Shiga Prefecture	Japan	Monday, June 1
641	Surfaces and Interfaces	Oral	<i>Oil sorption and oil-water separation using sorbents manufactured with fused filament fabrication</i>	József Kántor	Sapientia Hungarian University of Transylvania	Romania	Tuesday, June 2
642	Nanotechnology and Nanocomposites	Keynote	<i>Electric-field alignment of interpenetrated polymer network nanocomposites</i>	Danilo Carastan	Federal University of ABC	Brazil	Wednesday, June 3
643	Composites, Blends and Alloys	Oral	<i>Reprocessable Elastomer–Polyester Thermoplastic Blends via Multinetworked Covalent and Non-Covalent Networks</i>	Arjun Satheesh	Leibniz Institute of Polymer Research Dresden	Germany	Tuesday, June 2
646	Additive Manufacturing of Polymers	Keynote	<i>Unleashing the Intrinsic Material Potential of Plastics in Extrusion-Based 3D Printing</i>	Alois Schlarb	RPTU Kaiserslautern-Landau	Germany	Monday, June 1
647	Modeling and simulation	Oral	<i>Manufacturing-informed performance prediction for fiber-reinforced injection moulded parts in an industrial context.</i>	Tim Flipkens	KU Leuven (Department of Mechanical Engineering)	Belgium	Monday, June 1
648	Nanotechnology and Nanocomposites	Oral	<i>Halloyphe: A Halloysite–Graphene Hybrid Core-Sheath Enabling Exceptional Conductivity in Polymer Nanocomposites</i>	Rafaela Aguiar	University of Toronto	Canada	Wednesday, June 3
649	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Nitrate release from biodegradable polymer composites in aqueous simulated neutral and alkaline environments.</i>	Yina Ortega Santiago	Universidad Popular del Cesar	Colombia	Wednesday, June 3
651	Machine Learning in Polymer Processing	Oral	<i>A Comparison of Predictive and Generative AI Algorithms for Developing an Injection Molding Process Assistant</i>	Enrico Bovo	Università degli Studi di Padova	Italy	Monday, June 1
652	Smart polymers and special applications	Oral	<i>Dielectric and piezoelectric response of high β-phase PVDF copolymer nanocomposites for energy harvesting</i>	Lorenzo Broggio	Department of Industrial Engineering, University of Trento, Via Sommarive 9, 38123	Italy	Monday, June 1
656	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Pectin–Graphene Oxide Hybrid Aerogels Crosslinked with Calcium Ions for Sustainable Functional Applications</i>	Ehsan Behzadfar	Toronto Metropolitan University	Canada	Monday, June 1
661	Morphology and structural development	Keynote	<i>The use of in-line rheo-optical techniques to understand the polymer chain orientation process.</i>	Sebastião V. Canevarolo	Federal University of São Carlos	Brazil	Monday, June 1
663	Rheology and characterization	Oral	<i>Thermo-Rheological Response of Nanostructured Xanthan Gum: Effects of Graphene Oxide on Polymer Structure</i>	Nathália M M Fernandes	MackGraphe- Mackenzie Institute for Research in Graphene and Nanotechnologies	Brazil	Monday, June 1
664	Composites, Blends and Alloys	Oral	<i>High-Temperature Pine Biochar as an Efficient Conductive Filler for Polypropylene Composites with Enhanced Electrical and EMI Shielding Performance</i>	Sirine Taktak	IMT Mines Alès	France	Tuesday, June 2
666	Modeling and simulation	Keynote	<i>Unlocking polymer circularity via digital models: use-cases and experiences</i>	Kim Ragaert	Maastricht University	Netherlands	Tuesday, June 2

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668	Machine Learning in Polymer Processing	Oral	<i>Neural Network-Based Prediction of Product Weights in Polymer Injection Moulding</i>	Lorenzo Seghesio	KU Leuven, Department of Mechanical Engineering, Celestijnenlaan 300, BOX 2420, 3001	Belgium	Monday, June 1
670	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>ELV Fan Modules for Closed-Loop Recycling: Aging Resistance of PA66-GF</i>	Tobias Baeyens	Robert Bosch GmbH	Germany	Wednesday, June 3
673	Modeling and simulation	Oral	<i>Improving the realism of polymeric and compositionally heterogenous systems in simulation</i>	Jasmine Lightfoot	STFC Hartree Centre	United Kingdom	Tuesday, June 2
675	Nanotechnology and Nanocomposites	Keynote	<i>Synthesis of chitosan nanocomposites through ionic gelation method for environmental applications</i>	Larissa Nardini Carli	Federal University of Santa Catarina	Brazil	Monday, June 1
676	Additive Manufacturing of Polymers	Oral	<i>Production of conductive polymer electrodes functionalized with reduced graphene oxide (rGO) for the hydrogen production in alkaline electrolysis process</i>	Cristiano da Silva Teixeira	Federal University of Santa Catarina	Brazil	Wednesday, June 3
683	Nanotechnology and Nanocomposites	Oral	<i>Redefining Chitosan Bioplastics: High-Loading Modified Lignin and Lignin Nanoparticles for Advanced Food Packaging</i>	Fatemeh Hassan Pour	Lakehead University	Canada	Tuesday, June 2
684	Modeling and simulation	Oral	<i>Artificial Neural Network for Bi-Directional Correlational Prediction of Thermal History and Calorimetric Heat Flow Data for 3D Printed PEEK</i>	Troy (To Yu) Su	University of Toronto	Canada	Tuesday, June 2
686	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>From waste to function: carbon-enhanced recycles as functional composites for fused deposition modeling in thermal management applications.</i>	Pawel Duratek	Faculty of Advanced Technologies and Chemistry, Military University of Technology	Poland	Monday, June 1
687	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Polycannabinoids: Scalable, Hydrophobic Engineering Thermoplastics with Exceptional Processability</i>	Henry Davis	Purdue University	United States	Wednesday, June 3
689	Nanotechnology and Nanocomposites	Oral	<i>Bio-Inspired Hierarchical Hybrid Composites for Multifunctional Lightweight Structures: Synergy through Physio-Geometric and Structural Architecture Design</i>	Nello Sansone	University of Toronto	Canada	Wednesday, June 3
690	Additive Manufacturing of Polymers	Oral	<i>Stronger together: How processing unlocks adhesion in FFF-printed polypropylene</i>	Paul van Heugten	Eindhoven University of Technology	Netherlands	Tuesday, June 2
691	Rheology and characterization	Oral	<i>Oscillating Elongational Deformation Dynamometry (ELODY): A New Path to Nonlinear Viscoelasticity of Vulcanized Rubber Compounds</i>	Dario Nichetti	RHEONIC	Italy	Wednesday, June 3
692	Smart polymers and special applications	Keynote	<i>When Design of 2.5D Surfaces is guided from Nature, it paves a Way for a new 'step-process in 3D-Printing'</i>	Severine A.E. Boyer	CNRS MINES Paris PSL	France	Tuesday, June 2
693	Morphology and structural development	Oral	<i>Influence of Electron Irradiation on the Crystallization of Polylactide (PLA)</i>	Michael Müller	Leibniz-Institute for Polymer Research Dresden e.V.	Germany	Tuesday, June 2

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694	Nanotechnology and Nanocomposites	Oral	<i>Tailored Bio-inspired Hybrid Hierarchical Architecture for Mechanically Robust Composites for High Performance Applications</i>	Nichole Cheung	Department of Mechanical and Industrial Engineering, University of Toronto	Canada	Tuesday, June 2
697	Composites, Blends and Alloys	Oral	<i>Mediated Hydrogen Bonding Interaction to form Self-Assembled Nanostructure of Block Copolymer Mixtures</i>	Shiao-Wei Kuo	National Sun Yat-Sen University	Taiwan	Wednesday, June 3
699	Rheology and characterization	Oral	<i>Plastic Recycling & Life Cycle Management: Use of Melt Rheology to Track the Molar Mass Distribution of Isotactic Polypropylene</i>	Harald Kaspar	University of Applied Science Rosenheim	Germany	Wednesday, June 3
700	Biomedical applications	Keynote	<i>Multifunctional nanofiber membranes for Guided Bone Tissue Regeneration (GBTR) applications</i>	Khalil El Mabrouk	Euromed University of Fez	Morocco	Wednesday, June 3
701	Foams and Membranes	Oral	<i>Condition Assessment of PUR industrially aged plastic-jacket pipes using Thermogravimetry</i>	Andreas Leuteritz	Leibniz-institut fuer Polymerforschung	Germany	Wednesday, June 3
702	Nanotechnology and Nanocomposites	Oral	<i>Design and Synthesis of New Family of Poly(amidoamine) Dendrimers and Dendrons for Magnetic Resonance Imaging (MRI) Application</i>	Saïd El Kazzouli	Euromed University of Fes	Morocco	Wednesday, June 3
703	Foams and Membranes	Oral	<i>Nanoporous Polymeric Aerogel Materials with Tailored Electromagnetic Wave Transmission and Absorption Properties</i>	Haoyu Ma	Sichuan University	China	Monday, June 1
704	Rheology and characterization	Oral	<i>Rheology and dynamics of soft suspensions encompassing rigid particulates</i>	Rakan Alrashdan	The University of Akron	United States	Thursday, June 4
705	Machine Learning in Polymer Processing	Oral	<i>Building Structure-Based Models to Predict Dynamic Viscosity of Complex Fluids</i>	Patrick Cuddihy	University of Akron	United States	Thursday, June 4
709	Injection molding, micromolding and molds	Keynote	<i>Insert Injection Molding for Easy Recyclable Single-Polymer Composites</i>	Jian Wang	Beijing University of Chemical Technology	China	Tuesday, June 2
710	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Closing the Loop on Automotive PA6/PA66: A Stakeholder-Driven Pilot</i>	Carina Barbara Antonin	University of Innsbruck	Austria	Wednesday, June 3
711	Extrusion, Mixing and Compounding	Oral	<i>“Design and Analysis of Highly Streamlined Extruder Screw to Minimize Formation of Gels and Black Specks”</i>	Chris Rauwendaal	REE, Inc.	United States	Wednesday, June 3
716	Smart polymers and special applications	Oral	<i>Encapsulation of electrochromic multilayer systems on polycarbonate substrates using back injection molding and the effect on their aging behavior</i>	Miriam Meyer	Institute of Materials Engineering- Plastics Engineering, University of Kassel	Germany	Wednesday, June 3
718	Foams and Membranes	Oral	<i>Supercritical Foaming Technology Empowers the Innovation of Green Materials</i>	Solomon Xu	Hailex Materials	China	Thursday, June 4
720	Additive Manufacturing of Polymers	Oral	<i>G-Code2STEP-Converter for accurate representation of geometries created by material extrusion</i>	Mathias Fleisch	Polymer Competence Center Leoben GmbH	Austria	Tuesday, June 2
722	Aeronautical and Aerospace applications	Oral	<i>Epoxy composites containing hybrid TiO2 with enhanced hydrophobicity and fire resistance</i>	Claudio Imparato	University of Naples Federico II	Italy	Wednesday, June 3
724	Additive Manufacturing of Polymers	Oral	<i>Design and Wettability of 3D-Printed Microstructured Hydrophobic PLA Surfaces</i>	Loredana Tammaro	ENEA	Italy	Wednesday, June 3

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725	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Newly Developed Multicomponent Polycondensation Involving Sulfur for Successful Synthesis of Biobased Polythioureas</i>	Thi-Thanh-Tam Nguyen	Institut de Chimie et des Matériaux Paris-Est	France	Tuesday, June 2
727	Rheology and characterization	Oral	<i>Forced Assembly Layer Multiplication Coextrusion of Multilayer Films Based on Biodegradable Biopolymer Blends and Green Solvents for Enhanced Anaerobic Degradation</i>	Lucia Pastena	INSA Lyon	France	Wednesday, June 3
728	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Turning Waste into Performance: Compatibilised PLA, PBAT, and PBS Biocomposites Reinforced with Upcycled Spent Grain</i>	Golnoosh Abdeali	Technological university of the Shannon	Ireland	Monday, June 1
730	Rubber, elastomers and thermosets	Oral	<i>Functional Liquid Isoprene Rubber - From Network Formation towards Soft Actuators</i>	Sven Wiessner	Leibniz Insitute of Polymer Research Dresden	Germany	Monday, June 1
731	Biomedical applications	Oral	<i>Hydrogels in biomedical engineering</i>	Gaetano Lamberti	DIIn - UniSA	Italy	Monday, June 1
732	Foams and Membranes	Oral	<i>Interconnectivity of Microcellular Foams Produced via High Internal Phase Emulsion Templating</i>	Reza Foudazi	School of Sustainable Chemical, Biological and Materials Engineering, University of Oklahoma	United States	Wednesday, June 3
733	Additive Manufacturing of Polymers	Oral	<i>Fabrication and Characterization of Charred Wood-Enhanced PLA Filaments for FDM 3D Printing</i>	Elnaz Erfanian	UBC	Canada	Tuesday, June 2
736	Foams and Membranes	Keynote	<i>Layered mono-material parts</i>	Ernesto Di Maio	University of Naples Federico II	Italy	Wednesday, June 3
737	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Tuning processability and functional properties of Ethylene-Modified PVOH Coatings for paper-based food packaging</i>	Antonio Barbato	University of Salerno	Italy	Wednesday, June 3
739	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>A Low-Temperature Approach for Chemical Recycling of Epoxy Composites through the use of green solvents.</i>	Lorenzo Bonadies	University of Salerno	Italy	Wednesday, June 3
745	Foams and Membranes	Oral	<i>Transitioning to Renewable Polyols: Producing Greener Polyurethane Insulation Foams</i>	António Abreu	CIETI – LabRISE, ISEP, Polytechnic of Porto, Rua Dr. António Bernardino de Almeida, 431, 4249-015	Portugal	Thursday, June 4
755	Foams and Membranes	Oral	<i>Enhancing Foaming Performance of Linear Propylene-based Elastomer Foams Through Ionic Crosslinking</i>	Nathan Chang	University of Toronto	Canada	Monday, June 1
760	Foams and Membranes	Oral	<i>Foam-Assisted Interfacial Delamination of Metal–Polymer Composites for Efficient Material Recycling</i>	Rajesh Kumar Sharma	Kanazawa University	Japan	Tuesday, June 2
761	Composites, Blends and Alloys	Oral	<i>Mechanical performance of post-industrial and post-consumer glass fibre waste (from wind turbine blades) in epoxy resin bulk moulding compounds</i>	Bianca Purgleitner	Transfercenter für Kunststofftechnik GmbH	Austria	Tuesday, June 2
763	Injection molding, micromolding and molds	Oral	<i>Automatic Design of Conformal Cooling in Injection Molding</i>	António Cunha	IPC- Institute for Polymers and Composites, University of Minho	Portugal	Tuesday, June 2
768	Foams and Membranes	Oral	<i>Real-time x-ray microtomography of bubble dynamics in dough during physical foaming</i>	Emilia Di Lorenzo	University of Naples Federico II	Italy	Tuesday, June 2
769	Biomedical applications	Oral	<i>Dendrimer-GO Composites: Toward New Smart Nanomaterials for Vectorization</i>	Nabil El Brahmi	University Euromed of Fez	Morocco	Monday, June 1

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770	Nanotechnology and Nanocomposites	Oral	<i>On the segregation of graphene and carbon nanotube to develop electrically conductive sustainable inks</i>	Gennaro Rollo	Institute of Polymers, Composites and Biomaterials	Italy	Wednesday, June 3
771	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Boosting PLA Recyclability via Phenol-Rich Fractions from Fast Pyrolysis of Logging Residues</i>	Mattia Di Maro	Istituto di Scienze e Tecnologie per L'Energia e La Mobilità Sostenibili CNR Sede Secondaria Strada Delle Cacce, 73 10135	Italy	Tuesday, June 2
774	Composites, Blends and Alloys	Oral	<i>Unveiling the Toughening and Anti-Hydrolysis Mechanisms of Reactive- Compatibilized PGA/PBAT/PBS Ternary Blends</i>	Chongkai Zhao	University of Warwick	United Kingdom	Tuesday, June 2
775	Additive Manufacturing of Polymers	Keynote	<i>Predicting the Dynamic Response of 4D Printed Thermoplastics: Integrating Crystallization, Temperature, and Physical Aging Effects</i>	Victor Neto	University of Aveiro	Portugal	Tuesday, June 2
776	Fibers and Films	Keynote	<i>Generating Aerogel Fibers with an Unprecedented Stiffness–Density Scaling Exponent via Inclusion of Engineered TPU Nanofibrils</i>	Chul Park	University of Toronto	Canada	Tuesday, June 2
777	Composites, Blends and Alloys	Oral	<i>Sacrificial Chain-Engineered Interfacial Bonding in PTFE Composite Films for Mechanical Performance Enhancement</i>	Rong Chen	State Key Laboratory of Advanced Polymer Materials, Polymer Research Institute of Sichuan University, Sichuan Provincial Engineering Laboratory of Plastic/Rubber Complex Processing Technology	China	Wednesday, June 3
778	Composites, Blends and Alloys	Oral	<i>Interfacial Molecular bridging in PTFE Composites: A Synergistic Strategy for Entanglement Regulation and Mechanical Reinforcement</i>	Hanyu Guo	State Key Laboratory of Advanced Polymer Materials, Polymer Research Institute of Sichuan University, Sichuan Provincial Engineering Laboratory of Plastic/Rubber Complex Processing Technology	China	Wednesday, June 3
779	Additive Manufacturing of Polymers	Oral	<i>Effect of Mesoscale Helicoidal Filament Orientation on Mode-I Fracture Resistance in FFF-Printed PLA</i>	Md Abdullah Al Bari	King Fahd University of Petroleum and Minerals	Saudi Arabia	Monday, June 1
782	Foams and Membranes	Oral	<i>TPU foaming with air as the blowing agent</i>	Lorenzo Miele	University of Naples Federico II	Italy	Monday, June 1
784	Aeronautical and Aerospace applications	Oral	<i>Product Engineering of a Novel Rotor Blade Production with Thermoplastic Composite: Advanced Polymer Processing Simulation and Fiber Breakage Modelling</i>	Umut Cakmak	Johannes Kepler University Linz, Institute of Polymer Product Engineering	Austria	Wednesday, June 3
785	Modeling and simulation	Oral	<i>Interface Effects Between Fluid and Melt in Fluid-Assisted Injection Moulding: Case Study of a Thermoplastic Cockpit</i>	Markus Wimmer	Plastic Innovation GmbH	Austria	Tuesday, June 2
786	Extrusion, Mixing and Compounding	Oral	<i>Investigation of the influence of particle size and Shore hardness on the melt filtration of polyethylene</i>	Thomas Höftberger	Transfercenter für Kunststofftechnik	Austria	Wednesday, June 3
790	Rubber, elastomers and thermosets	Oral	<i>The effects of repeated mechanical recycling on the properties of silicone rubber</i>	Barbara Liedl	University of Applied Sciences Upper Austria	Austria	Thursday, June 4

ID	SYMPOSIUM	PRESENTATION TYPE	TITLE	NAME	AFFILIATION	COUNTRY	DAY
792	Morphology and structural development	Oral	<i>Tracking the Biaxial Stretching: In-situ Structural Evolution Research on PP and PE films</i>	Jianhe Zhu	University of Science and Technology of China	China	Monday, June 1
793	Rheology and characterization	Keynote	<i>Highly Processable Mastic-like Electrolytes for Lithium Batteries</i>	Jieqing Shen	Hangzhou Normal University	China	Wednesday, June 3
794	Surfaces and Interfaces	Oral	<i>Novel multi-functional powder coatings for powder-coated Mg-structures able to be deformed at room temperature</i>	Michaela Gedan-Smolka	Leibniz-Institut für Polymerforschung Dresden	Germany	Tuesday, June 2
795	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Environmental Assessment of Recycled Plastic Composites and Telecommunication Poles</i>	Catarina Basto-Silva	PIEP	Portugal	Monday, June 1
797	Extrusion, Mixing and Compounding	Oral	<i>Study on the Dispersion Process of Hollow Particles Using Extensional Flow in Thermosetting Resins</i>	Soushi Kannaka	Doshisha University	Japan	Monday, June 1
798	Injection molding, micromolding and molds	Oral	<i>Structure formation in injection molded PEEK and its influence on fatigue</i>	Moritz Kurkowski	Leibniz Institute of Polymer Research Dresden	Germany	Tuesday, June 2
802	Composites, Blends and Alloys	Oral	<i>Arraying calcium carbonate core-shell nanoparticles densely on carbon fibers by coordination effect for interfacial enhancement of polydicyclopentadiene/carbon fiber felt (PDCPD/CFF) composites</i>	Xin Yang	hangzhou normal university	China	Thursday, June 4
803	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Impact of weathering on sorting and processing recycled plastics</i>	Megan Clement	WMG, University of Warwick	United Kingdom	Tuesday, June 2
810	Surfaces and Interfaces	Keynote	<i>Fracture behavior and toughness of PA11/EVOH multilayer films</i>	Cyrille Sollogoub	Laboratoire PIMM, Arts et Métiers Institute of Technology, CNAM, CNRS, UMR 8006	France	Tuesday, June 2
811	Machine Learning in Polymer Processing	Oral	<i>Optimizing Industrial Recycled Polymer Blends: A Physics-Informed Machine Learning Approach for Property Prediction.</i>	Oumayma Tajir	University of Sherbrooke	Canada	Monday, June 1
814	Rubber, elastomers and thermosets	Oral	<i>Graphene oxide/synthesized unsaturated butyl rubber composite with high gas barrier properties</i>	Shipeng Wen	Beijing University of Chemical Technology	China	Monday, June 1
817	Solid state processing and properties	Oral	<i>Correlation of solid state processing parameters with reversion effects in die drawn Poly(ethylene terephthalate).</i>	Davide Nocita	University of Bradford	United Kingdom	Monday, June 1
818	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Sustainability-Driven Product Development of Coffee Cups: A Life Cycle Assessment</i>	Catarina Faria	PIEP	Portugal	Tuesday, June 2
821	Composites, Blends and Alloys	Keynote	<i>Polymer Blends and Composites for developing Plant-Based and Circular Packaging for plant Products</i>	Maria-Beatrice Coltelli	Department of Civil and Industrial EngineeringUniversity of Pisa	Italy	Thursday, June 4
822	Composites, Blends and Alloys	Oral	<i>Optimisation of processing parameters for enhancing the mechanical properties of continuous natural fibre-reinforced green composites</i>	Giulia Ronconi	University of Ferrara	Italy	Monday, June 1

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823	Modeling and simulation	Oral	<i>Theoretical Investigation of Heat Transfer for Optimal Structure Design of Particulate Silica Aerogels and Reticulated Organic Aerogels</i>	Peter-Ebuka Okafor	University of Toronto	Canada	Wednesday, June 3
830	Special Session: Advances in Polymer Processing and Digital Manufacturing for Prosthetic Devices	Oral	<i>Numerical analysis of a 3D printed foot prosthesis: from design to performance assessment and testing</i>	Andrea Bernasconi	Politecnico di Milano	Italy	Monday, June 1
831	Biomedical applications	Keynote	<i>Polymer Engineering for Biomedical Applications - Material development for implants</i>	Ines Kuehnert	Leibniz-Institut fuer Polymerforschung Dresden e.V.	Germany	Monday, June 1
835	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Influence of Multiple Large Scale Recycling on Wood-Polymer Composites</i>	Andreas Mautner	BOKU University	Austria	Wednesday, June 3
836	Surfaces and Interfaces	Oral	<i>Surface grafting of polymer substrates as a tool for fabrication of functional coatings</i>	Elizabeth Amir	Shenkar	Israel	Tuesday, June 2
838	Rubber, elastomers and thermosets	Keynote	<i>Design of Dielectric Elastomer Materials and Microgenerator Device</i>	Nanying Ning	State Key Laboratory of Organic-Inorganic Composites, Beijing University of Chemical Technology	China	Monday, June 1
840	Surfaces and Interfaces	Oral	<i>Novel thermoset-metal layer system and sustainable processing chain for powder-coated Mg alloy able to be deformed at room temperature</i>	Jose Victoria-Hernandez	Helmholtz-Zentrum Hereon	Germany	Tuesday, June 2
841	Rheology and characterization	Oral	<i>“Effects of a Time-Dependent Pressure Gradient and Electric Field on the Electroosmotic Flow of Human Blood in a Concentric Annular Microchannel: Linear and Non-Linear Cases.”</i>	Edtson Herrera-Valencia	FESZ-UNAM	Mexico	Monday, June 1
842	Rubber, elastomers and thermosets	Oral	<i>Surface modification of UHMWPE fibers to enhance their interfacial adhesion with rubber</i>	Wencai Wang	State Key Laboratory of Organic-Inorganic Composites, Beijing University of Chemical Technology	China	Monday, June 1
843	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Accelerated Degradation of Crystalline Polymers in Marine Environments</i>	Hisao Matsuno	Yamagata University	Japan	Monday, June 1
844	Extrusion, Mixing and Compounding	Oral	<i>Development of rheo-optical tools to predict mixing and extrusion processability of rubber compounds</i>	Andrea Causa	Pirelli Tyre S.p.A.	Italy	Wednesday, June 3
845	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Technological Advances to Reduce the Environmental Impact and Improve the Sustainability of Rotational Moulding</i>	Peter Martin	Queen's University	United Kingdom	Tuesday, June 2
847	Composites, Blends and Alloys	Oral	<i>The Influence of SiO₂ and iron oxalate dihydrate pigments in polyamide 11/PVP composite</i>	Mohor Mihelčič	University of Ljubljana, Faculty of Mechanical Engineering, Aškerčeva ulica 6,	Slovenia	Monday, June 1
853	Additive Manufacturing of Polymers	Oral	<i>Foam Additive Manufacturing of Architected Polymer Lattices: From Process Maps to Load-Distributing Metamaterials</i>	Andrea Lorenzo Henri Sergio Detry	University of Milano, Department of Physics, Center for Complexity and Biosystems	Italy	Thursday, June 4
855	Rubber, elastomers and thermosets	Oral	<i>Failure from Within: Volatiles from Polymer Aging Trigger Electronic Corrosion</i>	Yadong Lv	Sichuan University	China	Thursday, June 4

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858	Fibers and Films	Oral	<i>Conditions for the Formation of Multiple Jets to Produce Fibers of Fine Diameter in Laser-Heated Melt Electrospinning Process</i>	Midori Takasaki	Yokohama National University	Japan	Monday, June 1
859	Fibers and Films	Oral	<i>Uniaxial hot tensile test to evaluate material behaviour during thermoforming for In-Mould Electronics (IME)</i>	Fernando Duarte	University of Minho	Portugal	Wednesday, June 3
860	Additive Manufacturing of Polymers	Oral	<i>Warpage evaluation and material characterization of 3D printed post-consumer HDPE/LLDPE blends</i>	Nicola Pritoni	Department of Engineering, University of Ferrara	Italy	Monday, June 1
861	Injection molding, micromolding and molds	Keynote	<i>Injection Molding of PLA/Bioglass Composites with Mixing Screw for Improving Mechanical Properties of Micro Tensile Bars</i>	Chao-Chang A. Chen	National Taiwan University of Science and Technology	Taiwan	Tuesday, June 2
862	Morphology and structural development	Oral	<i>How Heterogeneous Nucleation and Self-Seeding Affect Crystallization and End-Use Properties in Linear and Long-Chain Branched Polypropylenes</i>	Roman Cermak	Faculty of Technology, Tomas Bata University in Zlin	Czechia	Monday, June 1
863	Smart polymers and special applications	Oral	<i>CO₂-Responsive Colloidal Gels for Sustainable Subsurface Sequestration: Synthesis, Characterization, and Pore-Scale Evaluation</i>	Marjan Ashrafizadeh	Institute for Geosciences, Friedrich Schiller University Jena	Germany	Wednesday, June 3
865	Additive Manufacturing of Polymers	Oral	<i>Surface engineering of soft tools for injection molding produced via vat photopolymerization for lifetime extension</i>	Marina Artemeva	Technical University of Denmark	Denmark	Thursday, June 4
866	Additive Manufacturing of Polymers	Oral	<i>Optimisation of a motorcycle component using advanced mass optimisation techniques: Simulation and experimental validation</i>	António Pontes	IPC – Institute for Polymers and Composites, University of Minho,	Portugal	Tuesday, June 2
868	Aeronautical and Aerospace applications	Oral	<i>Optimising a polymeric aerospace component through computational tools and additive manufacturing</i>	Carina Lopes	IPC – Institute for Polymers and Composites, University of Minho	Portugal	Wednesday, June 3
869	Surfaces and Interfaces	Oral	<i>Structure-Property Relationships in Functionalized Polypropylenes.</i>	Anton Ginzburg	KU Leuven	Belgium	Tuesday, June 2
871	Nanotechnology and Nanocomposites	Oral	<i>A Computational–Experimental Approach for Designing High-Performance Graphene Nanocomposites</i>	Guilhermino Fechine	Mackenzie Presbyterian University	Brazil	Monday, June 1
872	Additive Manufacturing of Polymers	Oral	<i>Tuning Composite Performance Through Rotational Nozzle 3D Printing</i>	Allen Roman	University of Minnesota	United States	Monday, June 1
873	Additive Manufacturing of Polymers	Oral	<i>Customization of Mechanical Response and Flexibility in Additively Manufactured Disc Springs</i>	Eliza Truskiewicz	Polymer Competence Center Leoben GmbH	Austria	Monday, June 1
875	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Structural Changes in Polypropylene for Reusable Food Packaging Applications</i>	Ana Vera Machado	University of Minho	Portugal	Tuesday, June 2
876	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Processing–Structure–Property Relationships in Biodegradable Polymers</i>	Pedro Veiga Rodrigues	Institute for Polymers and Composites - University of Minho	Portugal	Monday, June 1
877	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Enhancing Essential Oil Stability and Release Through Emulsion Encapsulation in PHBV Matrices</i>	M. Cidalia R. Castro	Minho University	Portugal	Monday, June 1

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878	Biomedical applications	Oral	<i>Advanced Processing of Nanoparticle-Functionalized Methacrylated Hydrogels for Bioengineered 3D Musculoskeletal Models</i>	Erwin Pavel Lamparelli	University of Salerno. Department of Medicine, Surgery and Dentistry "Scuola Medica Salernitana"	Italy	Tuesday, June 2
879	Foams and Membranes	Oral	<i>Advanced Absorbent Materials</i>	Uday Shankar	School of Materials Science and Technology, IIT (BHU)	India	Monday, June 1
883	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Oral	<i>Circular Thermoplastic Composites Enabled by Upcycled Graphene and Recycled Carbon Fibers for Lightweight Automotive and Aerospace Applications</i>	Burcu Saner Okan	Sabanci University	Turkey	Wednesday, June 3
884	Foams and Membranes	Oral	<i>Bio-Based Polyurethane/Graphene Oxide Nanocomposites for Functional Coating Membranes</i>	Ricardo Andrade	Engineering School of Mackenzie Presbyterian University	Brazil	Tuesday, June 2
888	Composites, Blends and Alloys	Keynote	<i>Processing-Based Valorization of Incompatible Polyethylene-Polypropylene Blends Without Compatibilization</i>	Gary Wnek	Case Western Reserve University	United States	Thursday, June 4
890	Biomedical applications	Oral	<i>Electrospun Multi-Layer Wound Dressing: Biodegradable Coaxial Fibers for Controlled Wound Healing</i>	Aleksandra Ivanoska-Dacicj	Research Centre for Environment and Materials, Macedonian Academy of Sciences and Arts	North Macedonia	Tuesday, June 2
891	Rheology and characterization	Keynote	<i>Rheological Performance of Chelating Agent-Modified ATBS Copolymers for Polymer Flooding under Harsh Reservoir Conditions</i>	Muhammad Shahzad Kamal	King Fahd University of Petroleum & Minerals	Saudi Arabia	Monday, June 1
892	Fibers and Films	Oral	<i>Melt Spinning of Recyclable Elastic Yarns from Thermoplastic Copolyester Elastomers</i>	Ricarda Wissel	ITA Institut für Textiltechnik of RWTH Aachen University	Germany	Wednesday, June 3
897	Additive Manufacturing of Polymers	Oral	<i>Thermally-Treated Silica Aerogels as a Superflexible, Hydrophobic, and Thermostable Sorbent for Practical Oil Spill Recovery in Extreme Temperature Environments</i>	Zeineb Ben Rejeb	University of Toronto	Canada	Wednesday, June 3
898	Modeling and simulation	Oral	<i>Modeling the Electrical Conductivity of Carbon-Filled Polymer Composites Using Molding Simulation Data</i>	Alireza Mohseni	University of Western Ontario	Canada	Monday, June 1
899	Rheology and characterization	Oral	<i>Discovery of viscoelastic stress wave signatures in polymeric solids under slow and loaded sliding contacts.</i>	Padmanabhan Krishnan	VIT UNIVERSITY	India	Thursday, June 4
900	Surfaces and Interfaces	Oral	<i>Impact of polymer composition on formation damage in post-hydraulic fracturing operation</i>	Muhammad Shahzad Kamal	King Fahd University of Petroleum & Minerals	Saudi Arabia	Tuesday, June 2
903	Fibers and Films	Oral	<i>Alternative Precursors and Reprocessable Polymers for Sustainable Polymer Fibre Composites</i>	Minoo Naebe	Deakin University	Australia	Monday, June 1
904	Machine Learning in Polymer Processing	Keynote	<i>Process-Integrated NIR Spectroscopy for Monitoring Material Properties Along the Polymer Value Chain</i>	Gernot Oreski	Polymer Competence Center Leoben	Austria	Monday, June 1
905	Morphology and structural development	Keynote	<i>Measurement and analysis of elastic, plastic and fracture properties of planar oriented HDPE</i>	John Sweeney	University of Bradford	United Kingdom	Tuesday, June 2

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907	Foams and Membranes	Oral	<i>Fully bio-based and reprocessable self-blowing composite Non Isocyanate PolyUrethane (NIPU) foams from sustainable cyclic carbonate blend</i>	Giuseppe Cesare Lama	Institute for Polymers, Composite and Biomaterials, National Research Council of Italy (IPCB-CNR)	Italy	Tuesday, June 2
909	Foams and Membranes	Keynote	<i>Cellular structure and acoustic properties of bi-layered diatomite-based inorganic foams</i>	Luigi Sorrentino	Institute of Polymers, Composites and Biomaterials, National Research Council	Italy	Thursday, June 4
919	Fibers and Films	Oral	<i>Carboxymethyl Cellulose-Based Films Incorporating Green Barley Extracts as Potential Active Packaging Materials</i>	Ewa Olewnik-Kruszkowska	Nicolaus Copernicus University in Toruń	Poland	Wednesday, June 3
920	Smart polymers and special applications	Keynote	<i>Biodegradable Films Incorporating Encapsulated Anthocyanins for Smart Food Packaging</i>	Fugen Daver	RMIT University	Australia	Wednesday, June 3
926	Rubber, elastomers and thermosets	Keynote	<i>Designing Elastomeric Vitrimer: A Sustainable Approach in Polymer Processing</i>	Nikhil Singha	Indian Institute of Technology Kharagpur	India	Thursday, June 4
929	Sustainability (recycling, LCA, environmental impact, biodegradable polymers)	Keynote	<i>Advancing the Mass and Heat Transport of Polymers</i>	Zagho Moustafa	University of South Alabama	United States	Thursday, June 4
933	Extrusion, Mixing and Compounding	Poster	<i>Processing and Characterization of Bio-based Nanocomposite for High-Barrier Paper Packaging via Extrusion Coating</i>	Renato Reis	PIEP - Innovation Polymer Engineering	Portugal	Wednesday, June 3
934	Rubber, elastomers and thermosets	Oral	<i>Development of High-Performance Flame-Retardant Sealants for Fire-Resistant Glazing Systems</i>	Joao Ribeiro	PIEP	Portugal	Thursday, June 4