ISPAC 2022 PROGRAM

Sunday, June 5th		
10:00 – 11:00	Registration Foyer U6/9	
11:00 – 12:30	Short Course #1: "Separation Techniques" Albena LEDERER, Leibniz Institute of Polymer Research Dresden, Germany U6/9	
12:30 – 14:00	Lunch Foyer U6/9	
14:00 – 15:30	Short Course #2 - REMOTE: "Electron Microscopy" Hiroshi JINNAI, Tohoku University, Japan U6/9	
15:30 – 17:00	Short Course #3: "AFM and Quantitative Nanomechanics" G. Julius VANCSO, University of Twente, Netherlands U6/9	
17:00 – 17:30	Break	
17:30 – 19:00	Short Course #4: "LAM, SAXS and WAXS" Yeng Ming LAM, Nanyang Technological University, Singapore U6/9	
19:00 – 19:30	Free Time	
19:30 – 21:00	Welcome Buffet	

Session 1: SMART - Characterization of smart polymers and hybrid natural-biobased polymers

Session 2: NETWORKS - Molecular characterization of network polymers

Session 3: FUTURE - Future trends

Foyer U6/9

Session 4: CIRCULAR - Characterization challenges posed by the advancement of circular economy

Session 5: TURN-KEY - Opportunities and challenges in using turn-key instruments

Monday, June 6th

8:30 – 9:00	Opening		
	Invited Talks, Session 1: SMART. Chair: C. SCHWARZINGER U6/9		
9:00 – 9:30	Invited Talk #1: "How electrostatic effects effect the wetting dynamics of polymers" Hans-Jürgen BUTT, Max Planck Institute for Polymer Research, Germany		
9:30 - 10:00	Crystalline and Nanoporous-Crystallin	Invited Talk #2: "Preparation, Characterization and Applications of Co- Crystalline and Nanoporous-Crystalline Polymers" Gaetano GUERRA, University of Salerno, Italy	
10:00 – 10:30	Invited Talk #3: "Marine biofouling: The surface characterization challenge and some lessons to learn" G. Julius VANCSO, University of Twente, Netherlands		
10:30 - 11:00	Panel Discussion #1		
11:00 – 11:30	Break		
	Contributed Talks: SMART and FUTURE		
	Chair: G. GUERRA U6/9	Chair: H.J. BUTT U6/1c	
11:30 – 11:50	C1.1: "Development of a MALDI- TOF method for the quantification of molecular weight discrimination in grafting to reactions" Viviana Maria OSPINA GUARIN, University of Eastern Piedmont, Italy	C2.1: "Impact of thermal shock and short-time thermal conditioning environment on shear strength properties of nanoparticle embedded CF/EP composite" Ruchir SHRIVASTAVA, Indian Institute of Technology, India	
11:50 – 12:10	C1.2: "Lacquer coatings of Neolithic lacquerware found in Zhejiang Province of China" Yoshimi KAMIYA, Kanazawa University, Japan	C2.2: "3D Printing: Crystallization Kinetics of Polyamide 12 during Selective Laser Sintering" Elena MOUKHINA, Netszch, Germany	
12:10 – 12:30	C1.3: "Synthesis and Characterization of Carbene Based Hybrid Polymer Network for Biomedical Applications" Ivan DJORDJEVIC, Nanyang Technological University, Singapore	C2.3: "The advanced methods Rheo-NMR, Rheo-IR and Rheo-Dielectric combine rheology with molecular methods, allowing in-situ correlations between molecular information and mechanical properties" Manfred WILHELM, Karlsruhe Institute of Technology, Germany	

Monday, June 6th

12:30 – 14:00	Lunch-time Seminar WATERS™		
	U6/9		
	Invited Talks, Session 2: NETWORKS	. Chair: G.J. VANCSO U6/9	
14:00 – 14:30	Invited Talk #4: "Polymeric hydrogels for water retention and delivery of agrochemicals" Yeng Ming LAM, Nanyang Technological University, Singapore		
14:30 – 15:00	Invited Talk #5: "Dynamics and Relaxation of Supramolecular Polymer-Network Gels in View of their Microstructure" Sebastian SEIFFERT, Johannes Gutenberg University Mainz, Germany		
15:00 – 15:30	Invited Talk #6: "Molecular models of polymer networks and adhesives: balancing complexity and simplicity" Guido RAOS, Politecnico di Milano, Italy		
15:30 – 16:00	Panel Discussion #2		
16:00 – 16:30	Break		
	Contributed Talks: SMART, NETWORKS and CIRCULAR		
	Chair: S. SEIFFERT U6/9	Chair: M. WILHELM U6/1c	
16:30 – 16:50	C3.1: "Multimethod approach for the analysis and development of novel water-dispersible polyester systems" Klara SALLER, Johannes Kepler University Linz, Germany	C4.1: "X-ray and QM studies of M12L8 poly-[n]-catenanes" Antonino FAMULARI, Politecnico di Milano, Italy	
16:50 – 17:10	C3.2: "Shear-induced crystal nucleation of poly (I-lactic acid)" Mengxue DU, Martin Luther University Halle-Wittenberg, Germany "	C4.2: "Quantitatively distinguishing crosslink densities in rubber-containing blends by solid-state NMR spectroscopy" Akshay KAREKAR, Martin Luther University Halle-Wittenberg, Germany	

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17:10 – 17:30	C3.3: "Sophisticated conformation studies of polymer-protein hybrids using asymmetrical flow field-flow fractionation with multidetection" Susanne BOYE, Leibniz Institute of Polymer Research Dresden, Germany	C4.3: "Cross-linked polyethylene copolymers by reactive extrusion using vitrimers chemistry" Diego CIARDI, ESPCI Paris, France
17:30 – 17:50	C3.4: "Aqueous phosphoric acid: A powerful solvent for natural polymers" Xiaofeng SUI, Donghua University, China	C4.4: "NMR-based molecular rheology: a study on complex polymer systems" Farhad SHAHSAVAN, Martin Luther University Halle-Wittenberg, Germany
17:50 – 19:00	Free Time	
19:00 – 21:00	Wine and Cheese	
	Poster Sessions	
	Foyer U6/9 and U6/1d	

Tuesday, June 7th

and (self)remediation routes" Valter CASTELVETRO, University of Pisa, Italy 11:50 – 12:10 C5.2: "Design and characterization of hemp fibers based green composites as high-performance hydrophobic and flame retardant multi-layered materials" Gianluca VISCUSI, University of Salerno, Italy 12:10 – 12:30 C5.3: "Tunable transparency and superhydrophobicity of chitosanbased fluorine-free coatings" Irene TAGLIARO, University of Milano-Bicocca, Italy and (self)remediation routes" Valter CASTELVETRO, University of Environmental Microplastics Originated from Polyolefins" Atsushi TAKAHARA, Kyushu University, Japan C6.3: "Organoleptic Evaluation of Polymers Using Hybrid Characterization Techniques- A Trending Research Field" Umesh B. GAGDOLI, Borouge, United Arab Emirates	raesaay, same 7 m		
9:30 – 10:00 Invited Talk #8: "Topology and Dispersity: Additional Parameters Regulating the Properties of Bioinert and Functional Polymer Interfaces" Edmondo M. BENETTI, University of Padova, Italy 10:00 – 10:30 Invited Talk #9: "Lignin Nano- and Microcarriers for Sustainable Plant Protection" Frederik R. WURM, University of Twente, Netherlands 10:30 – 11:00 Panel Discussion #3 11:00 – 11:30 Chair: F.R. WURM U6/9 Chair: F.R. WURM U6/9 11:30 – 11:50 C5.1: "Cellulose derivatives from Passerini three component reaction: Study of their adsorption on amorphous cellulose" Etienne FLEURY, INSA Lyon, France Etienne Fleury, Insa Lyon, France Pisa, Italy 11:50 – 12:10 C5.2: "Design and characterization of hemp fibers based green composites as high-performance hydrophobic and flame retardant multi-layered materials" Gianluca VISCUSI, University of Salerno, Italy 12:10 – 12:30 C5.3: "Tunable transparency and superhydrophobicity of chitosanbased fluorine-free coatings" Irene TAGLIARO, University of Milano-Bicocca, Italy 12:30 – 14:00 Lunch		Invited Talks, Session 3: FUTURE. Chair: N. HADJICHRISTIDIS U6/9	
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14:00 16:00 Fron Time	12:30 - 14:00	Lunch	
14.00 – 10.00 Free Time	14:00 – 16:00	Free Time	

Tuesday, June 7th

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	Invited Talks, Session 3: FUTURE. Chair: Y.M. LAM U6/9	
16:00 – 16:30	Invited Talk #10: "Short vs Long Chains Competition During the "Grafting to" Process"	
	Michele LAUS, University of Eastern Piedmont, Italy	
16:30 – 17:00	Invited Talk #11: "Controlling crystallization and properties of polyolefins based crystalline block copolymers through design of the molecular structure"	
	Claudio DE ROSA, University of Naples Federico II, Italy	
17:00 – 17:30	Invited Talk #12 - REMOTE: "3D Imaging of Defects in Block Copolymers"	
	Edwin L. THOMAS, Texas A&M University, USA	
17:30 – 18:00	Panel Discussion #4	
18:00 – 18:30	Break	
18:30 - 19:00	Special Keynote Presentation. Chair: R. SIMONUTTI	
	Kay SAALWAECHTER, Martin Luther University Halle-Wittenberg, Germany	
	U6/9	
19:00 – 20:00	Free Time	
20:00	Social Dinner	

Wednesday, June 8th

	Invited Talks, Session 4: CIRCULAR and Session 5: TURN-KEY.	
	Chair: M. LAUS U6/9	
9:00 – 9:30	Invited Talk #13: "Characterization challenges posed by the advancement of circular economy: biopolymers" Béla PUKÁNSZKY, Budapest University of Technology and Economics, Hungary	
9:30 - 10:00	·	cular and complex polymer materials" Polymer Research Dresden, Germany
10:00 – 10:30	Invited Talk #15: "Formulation and solid state rheology of high-T _g vitrimers with accelerated relaxation" François TOURNILHAC, ESPCI Paris, France	
10:30 - 11:00	Panel Discussion #5	
11:00 – 11:30	Break	
	Contributed Talks: SMART, CIRCULAR and TURN-KEY	
	Chair: B. PUKÁNSZKY U6/9	Chair: A. LEDERER U6/1c
11:30 – 11:50	C7.1: "Multimodal Rheometry of Light, Voltage, and Magnetic Sensitive Smart Polymers and Materials" Terry W.J. STEELE, Nanyang Technological University, Singapore	C8.1 : "Applications of a new IR detector with extended spectral range coupled to high temperature gel permeation chromatography" Esther LÓPEZ , <i>Polymer Char</i>
11:50 – 12:10	C7.2: "Characterization of Amphiphilic Cobaltocenium Copolymers" Nasrollah HAMIDI, Southern Connecticut State University, USA	C8.2: "Characterization of selectively cross-linked blend with different morphology" Mariele STOCKER, Braskem
12:10 – 12:30	C7.3: "Characterization of crystal structure in thin films of functional semiconducting polymers by X-ray scattering and AFM" Oleksandr DOLYNCHUK, Martin Luther University Halle-Wittenberg, Germany	C8.3 : "Advanced microstructure analysis of tire polymer materials using cutting edge multi scale electron microscopy technologies" Min WU , Thermofisher

Wednesday, June 8th		
12:30 – 12:50		C8.4: "Investigation of Thermal Stability of BDNPA/F Nitroplasticizer" Dali YANG, Los Alamos National Laboratoy, USA
12:50 – 14:00	Farewell Lunch	
	Foyer U6/9	