

**11<sup>th</sup> ECNP CONFERENCE, 28-31. 08. 2023 Lodz, Poland**

MONDAY, August 28 <sup>th</sup>	
11:00 – 14:00	<b>Registration</b>
14:00 – 14:15	<b>Opening ceremony</b> <span style="float: right;"><b>Chairperson: Beata Łuszczynska</b></span>
<b>Session 1: Progress in synthesis of advanced polymer nanocomposites</b> <b>Dedicated to the memory of Professor Marian Kryszewski</b> <b>Chairperson: Jacek Ulański</b>	
14:15 – 14:55	<b>PL1: Krzysztof Matyjaszewski</b> , CMU, Pittsburgh, USA and DMP, TUL, Lodz, Poland <i>Nanostructured polymers and nanocomposites by ATRP</i>
14:55 – 15:25	<b>KL1: Rebeca Hernandez</b> , Institute of Polymer Science and Technology, Spanish. CSIC, Madrid, Spain <i>Tuning the structural and rheological properties of polymer hydrogels for 3D extrusion bioprinting and injectable biomaterials</i>
15:25 – 15:50	<b>IL1: Jens Gaitzsch</b> , IPF, Dresden, Germany <i>Functional polyesters from radical ring-opening polymerization by structural understanding and additional monomers</i>
15:50 – 16:10	<b>OR1: Piotr Ślęczkowski</b> , ICRI-BioM, TUL, Lodz, Poland <i>Triphenylene-tricarboxamide based supramolecular polymers: from solution to surface studies</i>
16:10 – 16:40	<b>COFFEE BREAK + Poster Placement</b>
<b>Session 2: Advanced processing of polymer nanocomposites</b> <b>Dedicated to the memory of Professor Jean-Pierre Pascault</b> <b>Chairperson: Cristina Elizetxea Ezeiza</b>	
16:40 – 17:10	<b>KL2: Jean-François Gerard</b> , INSA, Lyon, France <i>Combining sol-gel chemistry, metal-oxo clusters, and ionic liquids for nanostructured polymer network</i>
17:10 – 17:35	<b>IL2: Andrzej Gałęski</b> , CMMS PAS, Lodz, Poland, <i>Nanomechanisms of plastic deformations of polymers, the role of amorphous phase and entanglements of macromolecules.</i>
17:35 – 17:55	<b>OR2: Cezary Makarewicz</b> , CMMS PAS, Lodz, Poland <i>Micromechanisms of plastic deformation of semicrystalline polymers studied by positron annihilation lifetime spectroscopy (PALS)</i>
17:55 – 18:15	<b>OR3: Mario Bragaglia</b> , University of Rome "Tor Vergata", Rome, Italy <i>Additive manufacturing of self-monitoring biobased SWCNT loaded resin</i>
18:30 – 21:00	<b>POSTER SESSION/Get together party</b>

TUESDAY, August 29 <sup>th</sup>	
<b>Session 3: Design, synthesis and properties of 2D materials</b> <b>Chairperson: Jiří Pflieger</b>	
09:00 – 09:40	<b>PL2: Klaus Müllen</b> , MPI-P, Mainz, Germany <i>Carbon nanostructures by design</i>
09:40 – 10:05	<b>IL3: Paweł Krukowski</b> , UNILODZ, Lodz, Poland <i>Two-dimensional heterostructures of graphene and transition metal oxides for applications in optoelectronics</i>
10:05 – 10:30	<b>IL4: Adam Proń</b> , WUT, Warsaw, Poland <i>New electroactive inorganic/organic hybrids: synthesis, spectroscopic properties and application in visible light photocatalysis</i>
10:30 – 10:50	<b>OR4: Guillermo Martinez-Denegri</b> , ICRI-BioM, TUL, Lodz, Poland <i>Understanding the role of molecular interactions in the emission of two ESIPT isomers for thin film applications</i>
10:50 – 11:20	<b>COFFEE BREAK</b>

<b>Session 4: Polymers for biological and biomedical applications</b>	
<b>Chairperson: Carmen Mijangos</b>	
11:20 – 11:50	<b>KL3: Brigitte Voit</b> , IPF, Dresden, Germany <i>Multiresponsive hydrogels as smart materials for actuator and sensor functions in microfluidic application</i>
11:50 – 12:15	<b>IL5: Ileana Rău</b> , University POLITEHNICA of Bucharest, Bucharest, Romania <i>DNA – based materials – intriguing materials for nonlinear and lasing applications</i>
12:15 – 12:35	<b>OR5: Joanna Pietrasik</b> , IPTB, TUL, Lodz, Poland <i>Oligo(ethylene glycol) methyl ether methacrylate based hydrogel with intrinsic antimicrobial activity against Pseudomonas aeruginosa as a model of a major wound infecting human pathogen</i>
12:35 – 12:55	<b>OR6: Viviana Jehová González</b> , IRICA, Universidad de Castilla-La Mancha, Ciudad Real, Spain <i>Application of hydrogels for wine acidity control</i>
12:55 – 14:30	LUNCH BREAK
<b>Session 5: Polymers and environmental protection</b>	
<b>Chairperson: Francesca Nanni</b>	
14:30 – 15:00	<b>KL4: Cristina Elizetxea Ezeiza</b> , TECNALIA, BRTA, Donostia-San Sebastián, Spain <i><math>\epsilon</math>-caprolactam “in situ” polymerization process for continuous fibre polyamide 6 composite parts-CAPROCAST technology</i>
15:00 – 15:25	<b>IL6: Agata Blacha-Grzechnik</b> , Silesian University of Technology, Gliwice, Poland <i>Electrochemically deposited organic layers as light-activated antimicrobial coatings</i>
15:25 – 15:45	<b>OR7: Maciek Kopeć</b> , University of Bath, Bath, UK <i>Understanding degradability of vinyl polymer networks with cleavable strands or crosslinks.</i>
15:45 – 16:05	<b>OR8: Teresa Basińska</b> , CMMS PAS, Lodz, Poland <i>Spherical and spheroidal poly(D,L-lactide-co-glycolide) particles: preparation and studies of degradation in vitro</i>
16:05 – 16:40	COFFEE BREAK
<b>Session 6: Simulation and modelling of polymer synthesis and processing</b>	
<b>Dedicated to the memory of Professor Tadeusz Pakuła</b>	
<b>Chairperson: Marcin Kozanecki</b>	
16:40 – 17:10	<b>KL5: Michał Banaszak</b> , Adam Mickiewicz University, Poznan, Poland <i>Double polymer brushes studied by molecular simulations</i>
17:10 – 17:30	<b>OR9: Sébastien Livi</b> , INSA, Lyon, France <i>New epoxy-ionic liquids networks as matrices of carbon fiber-based composites of type IV hydrogen pressure vessel</i>
17:30 – 17:45	<b>OR10: Szymon Stolarek</b> , Xenocs SAS, Grenoble, France <i>SAXS/WAXS mapping of nanostructured polymers: from image to nanostructure</i>
17:45 – 18:00	<b>OR11: Peter Schön</b> , Bruker UK, Coventry, UK <i>Latest developments in atomic force microscopy for polymer research</i>
18:00 – 18:20	<b>OR12: Piotr Polanowski</b> , DMP, TUL, Lodz, Poland <i>The DLL (Dynamic Lattice Liquid) model. How it works?</i>
18:20 – 18:45	<b>IL7: Andrzej Sikorski</b> , University of Warsaw, Warsaw, Poland <i>Studies of the polymerization process of branched polymers based on Monte Carlo simulations</i>
19:00 – 22:00	ECNP Advisory Board Meeting

<b>WEDNESDAY, August 30<sup>th</sup></b>	
<b>Session 7: Molecular Physics</b> <b>Chairperson: Krzysztof Matyjaszewski</b>	
09:25 – 09:55	<b>KL6: Marcin Kozanecki</b> , DMP, TUL, Lodz, Poland <i>Hydration and molecular dynamics in thermo-responsive POEGMAs-based hydrogels</i>
09:55 – 10:15	OR13: <b>Beata Łuszczynska</b> , DMP, TUL, Lodz, Poland <i>Approach to fully solution-processed organic electronics - role of interlayers</i>
10:15 – 10:35	OR14: <b>Tomasz Marszałek</b> , MPI-P, Mainz, Germany and DMP, TUL, Lodz, Poland <i>Optimized charge transport in molecular semiconductors by control of fluid dynamics and crystallization in meniscus-guided coating</i>
10:35 – 11:00	IL9: <b>Andrzej Rybak</b> , ABB Corporate Technology Center, Krakow, Poland <i>Polymer nanocomposites for industrial applications: challenges and opportunities</i>
11:00 – 11:20	COFFEE BREAK
<b>Session 8: Industrial applications of multifunctional polymeric materials; ADL materials</b> <b>Chairperson: Jean-François Gerard</b>	
11:20 – 11:50	<b>KL7: Francesca Nanni</b> , University of Rome "Tor Vergata", Rome, Italy <i>Polymeric and composite multifunctional materials in advanced industrial applications</i>
11:50 – 12:15	IL10: <b>Jannick Duchet-Rumeau</b> , INSA, Lyon, France <i>How thermosetting based materials could contribute to circular economy?</i>
12:15 – 12:40	IL11: <b>Debora Puglia</b> , University of Perugia, Terni, Italy <i>Multifunctional bionanocomposites based on lignin and its hybrids: use in packaging, biomedical and agriculture sectors</i>
12:40 – 13:00	OR15: <b>Francesco Piana</b> , IMC, CAS, Prague, Czech Republic <i>Conductive polymer composites for heating and sensor applications in vehicle structural components</i>
13:00 – 13:20	<b>Award ceremony + group photo</b>
13:20 – 14:30	LUNCH BREAK
<b>16:30 – 20:00</b>	<b>EXCURSION</b>
<b>20:00 – 23:00</b>	<b>CONFERENCE DINNER</b>

<b>THURSDAY, August 31<sup>st</sup></b>	
<b>Session 9: Polymers for organic electronics</b> <b>Dedicated to the memory of Professor Karel Dušek</b> <b>Chairperson: Brigitte Voit</b>	
09:00 – 09:30	<b>KL8: Jiří Pflieger</b> , IMC, CAS, Prague, Czech Republic <i>Electronic memory phenomena in polymers</i>
09:30 – 09:55	IL12: <b>Ken Albrecht</b> , Kyushu University, Fukuoka, Japan <i>Carbazole dendrimers as efficient thermally activated delayed fluorescence and luminescent radical materials</i>
09:55 – 10:15	OR16: <b>Przemysław Data</b> , DMP, TUL, Lodz, Poland <i>Electrochemically tailored conjugated polymers as materials for electrochromic windows and OLED emitters</i>
10:15 – 10:35	OR17: <b>Jiyong Kim</b> , Fraunhofer Institute for Applied Polymer Research, Potsdam, Germany <i>InP-based Quantum Dots in light emitting diodes: connectivity of device performance and surface chemistry</i>
10:35 – 11:00	COFFEE BREAK

**Session 10: Printed and wearable electronics**

**Chairperson: Beata Łuszczynska**

11:00 – 11:25	IL13: <b>Argiris Laskarakis</b> , Aristotle University of Thessaloniki and Center of Organic & Printed Electronics-Hellas, Thessaloniki, Greece <i>Automated roll-to-roll manufacturing of printed Organic Photovoltaics through In-line Metrology</i>
11:25 – 11:50	IL14: <b>Gert-Jan Wetzelaer</b> , MPI-P, Mainz, Germany <i>Efficient single-layer blue organic light-emitting diodes</i>
11:50 – 12:10	OR18: <b>Petra Pötschke</b> , IPF, Dresden, Germany <i>PMMA as blend partner in PA6/carbon nanotube composite: Effect on morphology, rheology, and thermoelectric properties</i>
12:10 – 12:30	OR19: <b>Jacek Ulański</b> , DMP, TUL, Lodz, Poland <i>Controlling the morphology of thin layers of crystalline organic semiconductors</i>
12:30 – 12:50	<b>Closing of the conference</b>