






## Conference Program Overview





Tuesday, 2 May 2023		
9:00-10:00		Registration
10:00-10:30		Coffee Break
10:30-10:45		Opening
10:45-12:15	<b>PL 1</b>	<b>J. Duchet, France</b>
12:30-14:00		Lunch
14:00-15:30	<b>PL2</b>	<b>A.F. Sousa, Portugal</b>
15:30-16:00		Coffee Break
16:00-17:30	<b>PL3</b>	<b>T. Budtova, France</b>
20:00-22:00		Welcome Party





Wednesday, 3 May 2023		
9:00-10:30	<b>PL4</b>	<b>H. Benes, Czech Republic</b>
10:30-11:00		Coffee Break
11:00-12:30	<b>PL5</b>	<b>J.-F. Gerard, France</b>
12:30-14:00		Lunch
14:00-15:30	<b>PL6</b>	<b>J. Yuan, Sweden</b>
15:30-16:00		Coffee Break
16:00-17:30		Poster Session

# 11<sup>TH</sup> EPF Summer School 2023

POLYMERS & IONIC LIQUIDS  
BERTINORO (FC, ITALY), 2-5 MAY 2023

## Conference Program Overview (contd.)

Thursday, 4 May 2023		
9:00-10:30	<b>PL7</b>	<b>S. Livi, France</b>
10:30-11:00		Coffee Break
11:00-12:30	<b>PL8</b>	<b>K. Kujawski, Poland</b>
12:30-14:00		Lunch
14:00-15:30	<b>P9</b>	<b>D. Mecerreyes, Spain</b>
15:30-16:00		Coffee Break
16:00-17:30	<b>PL10</b>	<b>S. Lanceros-Mendez, Portugal</b>
20:00-22:00		Social Dinner

Friday, 5 May 2023		
9:00-10:30	<b>PL11</b>	<b>U. Kragl, Germany</b>
10:30-11:00		Coffee Break
11:00-12:30	<b>PL12</b>	<b>D. Grande, France</b>
12:00-12:15		Closing Session
12:30-14:00		Lunch
14:15		<b>Shuttle Departure for Bologna Airport and Bologna Railway Station</b>

## Conference Program

### Tuesday, 2 May 2023

- 09:00-10:00 Registration
- 10:00-10:30 **Coffee Break**
- 10:30-10:45 Opening Session

### General Introduction

- 10:45-12.15 **PL1** **J. Duchet**  
INSA Lyon (France)  
*Ionic liquids: What is it?*
- 12:30-14:00 **Lunch**

### Session ILs & Polymers

Chair: TBA

- 14:00-15:30 **PL2** **A. F. Sousa**  
University of Aveiro (Portugal)  
*ILs as media for polymerization and polymer recycling*  
*Linear rheology of polybutadiene vitrimers*
- 15:30-16:00 **Coffee Break**
- 16:00-17:30 **PL3** **T. Budtova**  
CEMEF (France)  
*IL as polymer solvent*
- 20:00-22:00 **Welcome Party**

Conference Program

Wednesday, 3 May 2023

Session ILs & Polymers

Chair: TBA

- 09:00-10:30 **PL4** **H. Benes**  
Czech Academy of Sciences (Czech Republic)  
*ILs at the interfaces: polymer blends, polymer nanocomposites, fiber interfaces*
- 10:30-11:00 **Coffee Break**
- 11:00-12:30 **PL5** **J.-F. Gerard**  
INSA Lyon (France)  
*Ionic polymers: back to ionomers*
- 12:30-14:00 **Lunch**
- 14:00-15:30 **PL6** **J. Yuan**  
Stockholm University (Sweden)  
*PILs synthesis and characterization*
- 15:30-16:00 **Coffee Break**
- 16:00-17:30 **Poster Session**

## Conference Program

Thursday, 4 May 2023

### Session ILs & Polymers

Chair: TBA

09:00-10:30 **PL7** **S. Livi**  
INSA Lyon (France)  
*PILs networks*

10:30-11:00 **Coffee Break**

### Session IL/Polymer Combination Uses

Chair: TBA

11:00-12:30 **PL8** **W. Kujawski**  
Torun University (Poland)  
*Membranes applications: CO<sub>2</sub> capture and separation*

12:30-14:00 **Lunch**

### Session IL/Polymer Combination Uses

Chair: TBA

14:00-15:30 **PL9** **D. Mecerreyes**  
POLYMAT (Spain)  
*Electrochemistry and energy applications*

15:30-16:00 **Coffee Break**

16:00-17:30 **S. Lanceros-Mendez**  
Xxxxxxx (Portugal)  
*Stimuli-responsive polymers and actuators*

20:00-22:00 **Social Dinner**

**School Program**

**Thursday, 4 May 2023**

**Session ILs & Polymers**

**Chair: TBA**

- 09:00-10:30 **PL10 U. Kragl**  
University of Rostock (Germany)  
*Polymers and ILs in biotechnology*
- 10:30-11:00 **Coffee Break**
- 11:00-12:30 **PL11 D. Grande**  
ICMPE Thiais (France)  
*ILs for designing MIPs and nanoporous polymer materials*
- 12:30-12:45 Closing Session
- 13:00-14:00 **Lunch bag**
- 14:15 **Shuttle Departure for Bologna Airport and Railway Station**

## POSTER SESSION

Wednesday, 3 May 2023

P1-P23

- P1 **S. Alfano**, G. Forcina, L. Ceparano, A. Martinelli  
University of Rome La Sapienza (Italy)  
*Sustainable polyhydroxyalkanoates aminolysis by using choline-taurinate ionic liquid for nanoparticles preparation*
- P2 **G. Bisacari**, Y. Fan, C. Fiorica, M. Malkoch, F. S. Palumbo, G. Pitarresi  
University of Palermo (Italy)  
*Antibacterial broad-spectrum dendritic/gellan gum hybrid hydrogels*
- P3 **S. Buyting**, M. Schönhoff  
University of Münster (Germany)  
*Influence of different additives on ion transport in polymer electrolytes*
- P4 **E. Carena**, L. Mezzomo, S. Mostoni, C. Ferrara, P. Mustarelli, R. Ruffo  
University of Milano-Bicocca (Italy)  
*PVDF-HFP-BASED nanocomposite electrolytes for application in lithium metal batteries*
- P5 **L. Ehrlich**, P. Uhlmann, D. Pospiech, B. Voit  
Leibniz-Institut Für Polymerforschung Dresden E.V. (Germany)  
*Chloride-containing ionic liquid polymer electrolytes for application in polymer-based batteries*
- P6 **C. Farina**, L. Bernard, M. Landa, N. Leconte, L. Picard  
CEA-Grenoble (France)  
*Single-ion copolymer electrolytes for lithium batteries*
- P7 **A. C. Fernandez Rodas**, P. Piluso, H. Mendil-Jakani, B. Ameduri, G. Gebel  
Univ. Grenoble Alpes (France)  
*Recycling of nafion membranes used in proton exchange membrane fuel cells by ionic liquids*
- P8 **A. Gersz**, P. Pietrusiak, A. Witek-Krowiak, J. Feder-Kubi  
Wroclaw University of Science and Technology (Poland)  
*New way of delivering active ingredients to the soil*
- P9 **T. Kösterke**, D. Appelhans, B. Voit  
Leibniz-Institut Für Polymerforschung Dresden E.V. (Germany)  
*Synthesis and characterisation of pseudo-glycodendrimers for biomedical applications*
- P10 **A. Lanfranchi**, H. Megahd, P. Lova, D. Comoretto,  
University of Genoa (Italy)  
*Photonic all-polymer aegises for thermal management*

- P11 **A. Chandresh**, L. Heinke, J. Helfferich, A. Bruno Kanj, C. Li, **M. Liu**, M. Vazquez, R. Verma, W. Wenzel, Z. Zhang  
Karlsruhe Institute of Technology (Germany)  
*Terminal traffic jams in a supercapacitor – regulating the vehicular transport of ionic liquids embedded in metal-organic frameworks*
- P12 **J. Lopez de Lacalle**, D. Mecerreyes  
POLYMAT University of the Basque Country UPV/EHU (Spain)  
*Multifunctional ionic polymers from deep eutectic monomers based on polyphenols*
- P13 I. Tort-Ausina, **L. A. Martins**, C. M. Costa, D. M. Correia, S. Lanceros-Méndez, I. Krakowsky, J. L. Gómez Ribelles  
Universitat Politècnica de València (Spain)  
*Ionic liquid Emimco(SCN)<sub>4</sub> concentration dependant induced electroactive phase crystallization of PVDF*
- P14 **S. Mazzotta**, G. Ferraro, F. Verga, F. Pirri, S. Bocchini  
Center for Sustainable Future Technologies Istituto Italiano di Tecnologia (Italy)  
*Exploring the potential of amino-acid ionic liquids as highly promising absorbents for effective CO<sub>2</sub> capture*
- P15 **D. R. Nosov**, F. L. Lepre, D. F. Schmidt, A. S. Shaplov, E. Drockenmuller, C. Plesse  
Luxembourg Institute of Science and Technology (LIST) (Luxembourg)  
*Dynamic ion gels (DIGs) – the ionic materials of the future*
- P16 **I. C. Pellini**, S. Khalid, R. Ruffo  
University of Milano Bicocca (Italy)  
*Super-concentrated water-based electrolytes for lithium-ion batteries*
- P17 **P. Pietrusiak**, A. Gersz, J. Feder-Kubis  
Wroclaw University of Science and Technology (Poland)  
*The implementation of ionic liquids in cellulose-based hydrogels*
- P18 **S. Romano, B. Brugnoli, G. Sotgiu, S. De Santis, M. Orsini**  
University of Roma Tre (Italy)  
*Starch films plasticized by mono- and dicationic imidazolium-based ionic liquids. A comparative study*
- P19 **G. Scalzo**, E. Novello, C. G. Fortuna, C. Restuccia, L. Parafati, D. C. Carbone, D. C. Zampino  
CNR (Italy)  
*Design e sintesi di liquidi ionici ad attività antibatterica*
- P20 **V. Y. Shevtsov**, A. S. Shaplov, D. F. Schmidt  
Luxembourg Institute of Science and Technology (LIST) (Luxembourg)  
*Design and Synthesis of Ionic Liquid Monomers with Novel Spacers for Improved Conductivity*



- P21 **P. Stiernert**, J.Yuan, A. Debuigne  
Stockholm University (Sweden)  
*Macroporous aminated poly(ionic liquid)s for synergistic promotion of CO<sub>2</sub> capture*
- P22 **E. Vasili**, B. Azimi, P. Cinelli, I. Roy, S. Danti, M. Seggiani  
University of Pisa (Italy)  
*Use of ionic liquids and deep eutectic solvents systems for cellulose and lignin electrospinning*
- P23 **M. Yousfi**, F. Coethals, J. Soulestin, M.-F. Lacrampe  
Université de Lyon (France)  
*Synergistic improvement in fire performances of polyamide 6 using phosphonium ionic liquid and phosphine oxide as flame retardant*