

Monday Oct-08 Room - CCB - Pequeno Auditório - Level 0

8:00 – 20:00	Registration	
8:30 – 8:45	Opening Session	
8:45 – 9:20	Plenary Lecture Commercial Applications of Ionic Liquids , <u>Mark Shiflett</u> , University of Kansas, USA Chair: Peter Wasserscheid, Germany	
9:20 – 9:45	Invited Lecture Molten Salts as High Temperature Fluids Carrier for Concentrated Solar Power Exploitation , <u>Maurizio Grigiante</u> , University of Trento, Italy Chair: George Papatheodorou, Greece	
9:45 – 10:45	Properties I Chairs: Mireille Turmine, France and Manuel Matos Lopes, Portugal	
9:45 – 10:00	Dual Phase Molten Salt-Ceramic Membranes: Probing the Molten Salt, <u>Greg Mutch</u> , UK	
10:00 – 10:15	Ionic liquids-based on imidazolium tetrafluoroborate and hexafluorophosphate for desulfurization of diesel fuel, <u>Magdy Zaky</u> , Egypt	
10:15 – 10:30	The Ionic Liquid / Vacuum and Ionic Liquid / Solid Interface probed by ARXPS, <u>Florian Maier</u> , Germany	
10:30 – 10:45	Structural and Thermodynamic features of Transition Metal Ions in Room Temperature Ionic liquids (RTILs), <u>Andrea Melchior</u> , Italy	
10:45 – 11:15	Coffee Break	
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11:15 – 13:15	Separations Chairs: Isabel Marrucho, Portugal e Mara Freire, Portugal	Modelling Chairs: Luís Varela, Spain e Karina Shimizu, Portugal
11:15 – 11:30	Correlated Ion Drift in Lithium Salt-Glyme Mixtures, <u>Florian Schmidt</u> , Germany	Polymerizable Ionic Liquids as Precursors of Nanoscale Polymeric Structures, <u>Adrian Zajac</u> , Poland
11:30 – 11:45	Solving the mass transport issues of ionic liquids in CO ₂ chemical absorption with Encapsulated Ionic Liquids, <u>Jesús Lemus</u> , Spain	Monoethanolamine based DESs and their Applications in CO ₂ Absorption: Insights from Molecular Dynamics Simulations, <u>Dina Kussainova</u> , Kazakhstan
11:45 – 12:00	Ionic-liquid-based acidic aqueous biphasic system: a promising alternative for value recovery from electronic waste, <u>João Coutinho</u> , Portugal	Mechanistic Aspects of La-Perovskites Molten Salt Synthesis, <u>Yonatan Yevilevich</u> , Israel
12:00 – 12:15	Diffusion Behaviour of Metal Ions at Ionic Liquid/Electrode Interface and Its Effect on Electrodeposits, <u>Akihito Imanishi</u> , Japan	Structural and Capacitive Properties of Graphene-Based Supercapacitors Combined with Ionic Liquid Electrolytes, <u>Trinidad Méndez-Morales</u> , France
12:15 – 12:30	Multi stabilized Pd-SILCA with nitrogen rich ionic liquids as a recyclable catalyst for Heck reaction, <u>Nemanja Vucetic</u> , Finland	Effect of some cholinium amino acid ionic liquids on the thermal and the conformational stability of insulin, <u>Paula Ossowicz</u> , Poland

12:30 - 12:45	Switchable Aqueous Biphasic Systems formed by Ionic Liquids and their Potential as Integrated Production-Separation Platforms, <u>Mara Freire</u> , Portugal	Use of ionic liquids for polymer degradation chemistry, <u>Akio Kamimura</u> , Japan
12:45 - 13:00	Ion Solvation in ionic liquids for rare earth elements recycling, <u>Guillaume Mériquet</u> , France	Choline-based ionic liquids to deliver poorly soluble drugs in topical delivery systems, <u>Rita Caparica</u> , Portugal
13:00 - 13:15	Recovery of Rare Earth Elements from Secondary Sources: A Purpose for the Future, <u>João Paulo Leal</u> , Portugal	Combining experimental and theoretical approaches of molten salt chemistry for aluminium production, <u>Kelly Machado</u> , France
13:15 - 14:30	Lunch, Level 1	
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14:30 - 15:05	Plenary Lecture Ionic liquids in whole-cell biocatalysis a compromise between toxicity and efficiency , <u>Valentine Ananikov</u> , Russian Academy of Sciences, Russia Chair: Yuroyuki Ohno	
15:05 - 15:30	Invited Lecture Membrane partitioning of ionic liquid cations, anions and ion Pairs. Estimating the bioconcentration potential of ILs , <u>Marta Markiewicz</u> , Technical University of Dresden, Germany Chair: Valentine Ananikov	
15:30 - 17:30	Properties II Chairs: José Nuno Canongia Lopes, Portugal e José Esperança, Portugal	
15:30 - 15:45	Thermodynamic Properties for Vapor + Liquid Equilibrium States of 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide, <u>Joseph Magee</u> , USA	
15:45 - 16:00	LiF-ThF4 and LiF-UF4 local structure in molten salt reactors: the point of view of EXAFS, NMR and MD at high temperature, <u>Catherine Bessada</u> , France	
16:00 - 16:15	Studies of motions and interactions of molecules in ionic liquid electrolytes by nuclear magnetic resonance, <u>Pierre Martin</u> , France	
16:15 - 16:30	Thermal stability, decomposition mechanism and maximum operating temperature of imidazolium-based ionic liquids, <u>Anastasia Efimova</u> , Germany	
16:30 - 16:45	Physicochemical Properties of Fluorinated Anion based Ionic Liquids: Comparison between protic and aprotic Ionic Liquids, <u>Ramesh Gardas</u> , India	
16:45 - 17:00	Ionic Liquid - Water Mixtures: A Photoelectron Spectroscopy Study, <u>Claudia Kolbeck</u> , Germany	
17:00 - 17:15	Scandium Electrodeposition on Aluminum cathodes in the ionic liquid BMPTFSI, <u>Dimitrios Panias</u> , Greece	
17:15 - 17:30	New and efficient separators based on ionic liquid/poly(vinylidene fluoride) for lithium-ion battery applications, <u>Carlos Costa</u> , Portugal	
17:30 - 18:00	Coffee Break	
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18:00 - 20:00	Music Concert	