



SCIENTIFIC PROGRAM

Sunday 9th September 2018

9:30	Registration
11:00	Welcome from the organizers
Chairperson: Armand M.	
11:10	PL: Ohno H. Design of Functional Ionic Liquids and their Derivatives for Electrochemical Devices
11:50	O1: Fujita K. Distribution of Cytochrome c in LCST-type Ionic Liquid/ Water Mixtures Controlled by Applied Potential and Temperature
12:05	O2: Zhao C. Miniaturised Ionic Liquid Amperometric Gas Sensors
12:20	O3: Di Noto V. A New Lipophilic Ionic Liquid: Electrical Response and Effect of CO ₂ on the Conductivity Mechanism
12:35	O4: Suo Y. The Influence of the Acidity of Protic Ionic Liquids on the ORR Kinetics on Pt Electrodes
12:50	Lunch

Chairperson: Ohno H.	
14:15	KL1: Zawodzinski T. Using 'old school' room temperature molten salts for batteries
14:45	O5: Caporali S. Electrodeposition of Aluminium from ionic: history and prospective
15:00	O6: Xu X. Induced co-deposition of NdFe-based thin film by pulse plating technique in 1-ethyl-3-methylimidazolium dicyanamide
15:15	O7: Li C. Study of AlCl ₃ -4-ethylpyridine ionic liquid electrolyte for rechargeable aluminum batteries with graphitic cathodes
15:30	O8: Elia G.A. Aluminum Batteries: Sustainable Alternative to Lithium-Ion Systems
15:45	O9: Pagot G. A Boron-based Ionic Liquid Electrolyte for Magnesium Batteries: Structure and Conductivity Mechanism
16:00	Tea break
Chairperson: Innocenti M.	
16:20	KL2: Borodin O. Insight into Salt-in-solvent and Ionic Liquids at Molecular Scale
16:50	IL1: Giaccherini A. Numerical models in electrochemistry: the multiscale approach for ILs and beyond
17:10	O10: Mossa S. Phase behavior and transport properties of an ionic liquid confined in nanopores
17:25	O11: Bodo E. Isomerization patterns and proton transfer in the molecular constituents of protic ionic liquids probed by ab-initio computation.
17:40	O12: Horstmann B. Modeling Bulk and Surface Dynamics of Ionic Liquids in Batteries
17:55	Welcome Cocktail
18:30	Social tour (only who registered)

Monday 10th September 2018

Chairperson: Greenbaum S.	
9:00	KL3: Armand. M. A New Entry Anion for ILs and Polymers
9:30	IL2: Balducci A. Protic Ionic Liquids as Electrolytes for Lithium and Sodium Ion Batteries
9:50	O13: Appetecchi G.B. One-pot synthesis route for hydrophobic ionic liquids
10:05	O14: Phan T.N.T. New derivatives of sulfonyl (trifluoromethanesulfonyl)imide for the design of their (co)polymers
10:20	O15: Gerbaldi C. Towards Solid Batteries Operating at Ambient Temperature Exploiting (Composite) Polymer Electrolytes based on Cross-linked PEO
10:35	O16: Hassoun J. Highly safe electrolytes for lithium battery
10:50	O17: Kakibe T. Design of Modified-Imidazolium Ionic Liquid for Li-ion Secondary Batteries
11:05	Coffee break
Chairperson: Matic A.	
11:30	KL4: Passerini S. Ion Clusters and Li Transport in [Pyr ₁₂₀₁][FTFSI] Ionic Liquid-Based Electrolytes
12:00	IL3: Kerr R. The Next Step Towards High Capacity Li Cycling Using IL Electrolytes; Additives and Blends
12:20	O18: Brutti S. Ionic liquid electrolytes for room temperature sodium battery systems
12:35	O19: Agostini M. New routes towards high energy, low cost and fast-charging energy storage systems
12:50	O20: Di Lecce D. A Lithium-Metal Battery using LiFe _{0.5} Mn _{0.5} PO ₄ Olivine Cathode and Pyrrolidinium-Based Ionic Liquid Electrolyte

13:05	O21: Karpierz E. Ternary mixtures of ionic liquid, lithium salt and glyme as new electrolytes for applications in chemical power sources
13:20	Lunch
Chairperson: Appetecchi G.B.	
14:30	KL5: Matic A. Local coordination and mesoscopic organization in ionic liquid based electrolytes for next generation energy storage devices
15:00	IL4: Martinelli A. Protic ionic liquids inside nanopores: self-assembly and decoupled proton motion
15:20	O22: Motobayashi K. In-situ Spectroscopic Observation of Desolvation Process of Li ⁺ in Ionic Liquids near the Electrodes
15:35	O23: Watanabe H. Raman spectroscopic speciation analysis and liquid structures of <i>N</i> -alkylimidazole and carboxylic acid equimolar mixture
15:50	O24: Paolone A. Understanding ionic liquids by infrared spectroscopy
16:05	O25: Russina O. Nanoscale organization in bis(perfluoroalkylsulfonyl)imide-based ionic liquids
16:20	Tea break at Poster Room
16:30	POSTER SESSION
19:00	Pre-dinner tour (only who registered)
20:00	Social dinner

Tuesday 11th September 2018

Chairperson: Passerini S.	
9:00	KL6: Greenbaum S. Probing local and long-range motion in ionic liquids by nuclear magnetic resonance
9:30	O26: Nozaki E. Li ⁺ conduction mechanism in super-concentrated lithium salt aqueous solutions as electrolyte for aqueous lithium batteries
9:45	O27: Nicotera I. NMR Investigation of [Py ₁₄]PF ₆ – LP30 mixtures and gel electrolytes for lithium-ion batteries
10:00	O28: Arai N. Speciation analysis and thermodynamics of various lithium-glyme solvate ionic liquids
10:15	O29: Nishi N. X-ray reflectometry for the air and water interfaces of ionic liquids
10:30	O30: Morales J. New perspectives on the use of ionic liquids for lithium batteries
10:45	O31: Fantini S. Ionic Liquids and electrolytes for next generation batteries
11:00	Coffee break
Chairperson: Gerbaldi C.	
11:30	KL7: Chen F. Atomistic interrogation of ionic liquid and polymeric electrolytes: the effect of composition, chemistry and structure
12:00	IL5: Yoshizawa-Fujita M. Zwitterion Effect in Rechargeable Batteries Containing Ionic Liquid Electrolytes
12:20	O32: Menkin S. Development of high-energy-density, high-power ionic-liquid-based scalable supercapacitors
12:35	O33: Lindberg S. Novel ionic liquid electrolytes for next-generation hybrid supercapacitors

12:50	O34: Suominen M. Fabrication of conducting polymer-graphene oxide composites in ionic liquids for supercapacitor application
13:05	O35: Oll O. Exploring the Limits of Ionic Liquid based Capacitors
13:20	Lunch
Chairperson: Zawodzinski T.	
14:30	O36: Tsurumaki A. Long Cycle-Life Lithium Batteries based on Bis(fluorosulfonyl)imide-based Ionic Liquid Electrolytes
14:45	O37: Gao X. Alkoxy-functionalized Ionic Liquid Electrolytes: Understanding Ionic Coordination of Magnesium Ion Speciation for the Development of Rechargeable Magnesium Batteries
15:00	O38: Chen R. Aqueous Ionic Liquids as Supporting Electrolytes for Redox Flow Batteries
15:15	O39: Li G. Impedance spectra of ionic liquids
15:30	BEST POSTER PRIZE AND CLOSING REMARKS