

Towards Futuristic Energy Storage; paving its way through Supercapacitors, Li-ion batteries and beyond

PROGRAMME

DAY 1: Wednesday, 22 nd January 2020	
9:00 am – 9:45 am	Welcome coffee & registration
9:45 am – 10:00 am	Official opening
10:00 am – 10:45 am (Keynote speech)	Prof. Khalil Amine <i>Title: Advanced lithium-ion and beyond for electric vehicle applications</i>
10:45 am – 11:30 am (Keynote speech)	Prof. Kristina Edström <i>Title: Some insights paving the way for new battery chemistries</i>
11:30 am – 11:45 am (Oral presentation)	Dr. John Abou-Rjeily <i>Title: Facile solid-state synthesis technique using natural manganese dioxide (β-MnO₂) as a precursor for several cathode materials synthesis implemented in LIBs and NIBs.</i>
11:45 am – 12: 00 pm (Oral presentation)	Seongkoo Kang <i>Title: Evidence for protons stabilized in layered-type structure: Application to aqueous proton batteries</i>
12:00 pm – 1:30 pm	Lunch
1:30 pm – 2:10 pm (Keynote speech)	Prof. Laure Monconduit <i>Title: The ways to make Si an effective electrode material for Li-ion batteries</i>
2:10 pm - 2:30 pm (Oral presentation)	Ms. Jianhan Xiong, <i>Title: Optimization of Si/Gr based anode formulation for high energy density Li-ion batteries</i>
2:30 pm – 3:10 pm (Keynote speech)	Dr. Alexandre Ponrouch <i>Title: Ca metal anode-based battery: On the impact of passivation layer and cation solvation structure</i>
3:10 pm - 3:30 pm (Oral presentation)	Mr. Antonio Scafuri <i>Title: A non-nucleophilic fluorinated alkoxyborate based electrolyte for rechargeable Ca batteries.</i>
3:30 pm - 3:50 pm (Oral presentation)	Prof. Mouad Dahbi <i>Title: Facile Synthesis of Nanoparticles Titanium Oxide as High-Capacity and High-Capability Electrode for Lithium-ion Batteries</i>

3:50 pm - 4:15 pm	Coffee Break + Poster session
4:15 pm - 4:35 pm (Invited talk)	Prof. Ismael Saadoune <i>Title: Electrochemical behavior of Na_{2/3}Co_{1-y}MyO₂ (M: Ti, Ni, Mn) electrode materials for sodium-ion batteries.</i>
4:35 pm to 4:55 pm (Oral presentation)	Ms. Laura Caggiu <i>Title: Na-based systems as potential candidates Na-Ion-Conductors for Sodium secondary batteries</i>
4:55 pm - 5:15 pm (Oral presentation)	Dr. Alexey Kopusov <i>Title: Microscaled crystalline silicon: the challenge for Li-ion batteries</i>
5:15 pm - 5:30 pm (Oral presentation)	Mr. Abdelwahed CHARI <i>Title: A High Energy Density New Phosphate-Based Material for Sodium Ion Batteries</i>
5:30 pm - 6:10 pm (Keynote speech)	Prof. Teófilo Rojo <i>Title: Developments in Na technologies: pathways to progress</i>
6:30 pm – 7:30 pm	Prof. Dominique Guyomard, Public lecture (in French) <i>Le stockage de l'énergie électrique. Applications, technologies et challenges</i>
8:00 pm – 10:00 pm	Wine & cheese cocktail – Tours City Hall

DAY 2: Thursday, 23rd January 2020

08:15 am – 8:30 am	Welcome coffee
8:30 am - 9:10 am (Keynote speech)	Prof. Petr Novak <i>Title: In Situ and Operando Techniques for Characterization of Interfaces and Interphases in Lithium-Ion Batteries</i>
9:10 am - 9:50 am (Keynote speech)	Dr Gwenaëlle Rouse <i>Title: Li-ion batteries materials: the use of powder diffraction</i>
9:50 am - 10:05 am (Oral presentation)	Ms. Ludivine Afonso de Araujo; <i>Title: Lithium plating in Li-ion batteries by operando ⁷Li Nuclear Magnetic Resonance</i>
10:05 am - 10:45 am (Keynote speech)	Dr. Bernard Lestriez <i>Title: Binder based on coordination chemistry to improve the electrochemical performance of Si electrodes</i>
10:45 am - 11:05 am	Coffee Break
11:05 am - 11:45pm (Keynote speech)	Prof. Shinichi Komaba <i>Title: High-energy design of Na- and K-ion batteries as “Beyond Li-ion”</i>
11:45 am – 12:00 pm	Mr. Gabriele Lingua

(Oral presentation)	<i>Title: Innovative single-ion conducting solid electrolytes for safe, high performing energy storage devices</i>
12:00 pm - 12:15 pm (Oral presentation)	Dr. Pierre Alexandre Martin <i>Title: Structure and interactions in localized highly concentrated electrolytes for rechargeable calcium batteries</i>
12:15 pm - 1:30 pm	Lunch
1:30 pm - 2:10 pm (Keynote speech)	Prof. François Béguin <i>Title: Internal hybridization of electrodes: an elegant way to enhance the energy stored in electrochemical capacitors</i>
2:10 pm - 2:25 pm (Oral presentation)	Mr. Guillaume Ah-lung <i>Title: Optimization and synthesis of manganese dioxide with different morphologies and structures for aqueous supercapacitors operating at high voltage</i>
2:25 pm - 2:45 pm (Invited talk)	Dr. Alain Pénicaud; <i>Title: From Food Waste to Supercapacitors and Non Precious Metal Electrocatalysts for the Oxygen Reduction & Evolution Reactions.</i>
2:45 pm - 3:00 pm (Oral presentation)	Mr. Mathieu Deschanel <i>Title: Electrochemical evidence of the modification of carbon materials with anthraquinone moiety by a Diels Alder process.</i>
3:00 pm - 3:40 pm (Keynote speech)	Prof. Patrik Johanson <i>Title: Pure, Hybrid and Polymerized Ionic Liquid Based Electrolytes: From Fundamentals to Application</i>
3:40 pm - 4:20 pm	Coffee Break + Poster session
4:20 pm - 5:00 pm (Keynote speech)	Prof. Robert Dominko <i>Title: Multivalent organic batteries</i>
5:00 pm - 5:40 pm (Keynote speech)	Dr. Rongying Lin <i>Title: Ionic liquids-based electrolytes for next generation energy storage devices</i>
6:00 pm – 7:30 pm	Guided visit of the city centre – Departure from the City Hall
7:30 pm	Social dinner – Restaurant La Cave <i>Departure by bus from the Municipal Library (André Malraux Avenue)</i> <i>Please make sure you have registered</i>

DAY 3: Friday, 24th January 2020

08:15 am – 8:30 am	Welcome coffee
8:30 am - 9:10 am (Keynote speech)	Prof. Elżbieta Frąckowiak <i>Title: Key role of electrolyte in electrochemical capacitors</i>
9:10 am – 9:35 am (Invited talk)	Prof. Thierry Brousse <i>Title: Pseudocapacitive multicationic oxides</i>
9:35 am - 10:00 am (Invited talk)	Dr. Camélia Ghimbeu <i>Title: Any match between the carbon pore size induced by salt template and the electrolyte size in electrochemical capacitors?</i>
10:00 am - 10:30 am	Coffee Break
10:30 am - 10:45 am (Oral presentation)	Dr. M^a Ángeles Moreno Fernández <i>Title: Flat-shaped carbon-graphene microcomposites for high energy supercapacitors.</i>
10:45 am - 11:00 am (Oral presentation)	Dr. Ahed Abouserie <i>Title: Hybrid Electrolyte for all Solid-State Fluoride-Ion Batteries</i>
11:00 am - 11:15 am (Oral presentation)	Dr. Chandra Sekhar Bongu; <i>Title: A new class of Organic Solvent-in-Salt Electrolyte for electrochemical energy storage applications</i>
11:00 am – 11:40 am (Keynote speech)	Prof. Claudio Gerbaldi <i>Title: Hybrid polymer electrolytes based on UV cross-linked polymer matrixes for solid-state batteries operating at ambient temperature</i>
11:40 am – 12:20 am (Keynote speech)	Dr. Philippe Azais <i>Title: A Critical Overview of electrochemical energy storage for automotive industry: state of the art to main future trends</i>
12:20 am	Poster award and conclusive remarks
	Lunch box distribution (please make sur you have order one)