CONFERENCES TOURS

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	Prof. Khalil Amine	
(Keynote speech)	Title: Advanced lithium-ion and beyond for electric vehicle applications	
10:45 am – 11:30 am	Prof. Kristina Edström	
(Keynote speech)	Title: Some insights paving the way for new battery chemistries	
11:30 am – 11:45 am	Dr. John Abou-Rjeily	
(Oral presentation)	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.	
11:45 am – 12: 00 pm	Seongkoo Kang	
(Oral presentation)	Title: Evidence for protons stabilized in layered-type structure: Application to aqueous proton batteries	
12:00 pm – 1:30 pm	Lunch	
1:30 pm – 2:10 pm	Prof. Laure Monconduit	
(Keynote speech)	Title: The ways to make Si an effective electrode material for Li-ion batteries	
2:10 pm - 2:30 pm	Ms. Jianhan Xiong,	
(Oral presentation)	Title: Optimization of Si/Gr based anode formulation for high energy density Li-ion batteries	
2:30 pm – 3:10 pm	Dr. Alexandre Ponrouch	
(Keynote speech)	Title: Ca metal anode-based battery: On the impact of passivation layer and cation solvation structure	
3:10 pm - 3:30 pm	Mr. Antonio Scafuri	
(Oral presentation)	Title: A non-nucleophilic fluorinated alkoxyborate based electrolyte for rechargeable Ca batteries.	
3:30 pm - 3:50 pm	Prof. Mouad Dahbi	
(Oral presentation)	Title: Facile Synthesis of Nanoparticles Titanium Oxide as High-Capacity and High-Capability Electrode for Lithium-ion Batteries	

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3:50 pm - 4:15 pm	Coffee Break + Poster session
4:15 pm - 4:35 pm (Invited talk)	Prof. Ismael Saadoune Title: Electrochemical behavior of Na2/3Co1-yMyO2 (M: Ti, Ni, Mn) electrode materials for sodium-ion batteries.
4:35 pm to 4:55 pm (Oral presentation)	Ms. Laura Caggiu Title: Na-based systems as potential candidates Na-Ion-Conductors for Sodium secondary batteries
4:55 pm - 5:15 pm (Oral presentation)	Dr. Alexey Koposov Title: Microscaled crystalline silicon: the challenge for Li-ion batteries
5:15 pm - 5:30 pm (Oral presentation)	Mr. Abdelwahed CHARI Title: A High Energy Density New Phosphate-Based Material for Sodium Ion Batteries
5:30 pm - 6:10 pm (Keynote speech)	Prof. Teófilo Rojo Title: Developments in Na technologies: pathways to progress
6:30 pm – 7:30 pm	Prof. Dominique Guyomard, Public lecture (in French) Le stockage de l'énergie électrique. Applications, technologies et challenges
8:00 pm – 10:00 pm	Wine & cheese cocktail – Tours City Hall

DAY 2: Thursday, 23 rd January 2020		
08:15 am – 8:30 am	Welcome coffee	
8:30 am - 9:10 am (Keynote speech)	Prof. Petr Novak Title: In Situ and Operando Techniques for Characterization of Interfaces and Interphases in Lithium-Ion Batteries	
9:10 am - 9:50 am (Keynote speech)	Dr Gwenaëlle Rousse Title: Li-ion batteries materials: the use of powder diffraction	
9:50 am - 10:05 am (Oral presentation)	Ms. Ludivine Afonso de Araujo; Title: Lithium plating in Li-ion batteries by operando ⁷ Li Nuclear Magnetic Resonance	
10:05 am - 10:45 am (Keynote speech)	Dr. Bernard Lestriez Title: Binder based on coordination chemistry to improve the electrochemical performance of Si electrodes	
10:45 am - 11:05 am	Coffee Break	
11:05 am - 11:45pm (Keynote speech)	Prof. Shinichi Komaba Title: High-energy design of Na- and K-ion batteries as "Beyond Li-ion"	
11:45 am - 12:00 pm	Mr. Gabriele Lingua	

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(Oral presentation)	Title: Innovative single-ion conducting solid electrolytes for safe, high
	performing energy storage devices
12:00 pm - 12:15 pm	Dr. Pierre Alexandre Martin
(Oral presentation)	Title: Structure and interactions in localized highly concentrated
(Oral presentation)	electrolytes for rechargeable calcium batteries
12:15 pm - 1:30 pm	Lunch
1:30 pm - 2:10 pm	Prof. François Béguin
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(Keynote speech)	Title: Internal hybridization of electrodes: an elegant way to enhance
	the energy stored in electrochemical capacitors
2:10 pm - 2:25 pm	Mr. Guillaume Ah-lung
(Oral presentation)	Title: Optimization and synthesis of manganese dioxide with different
	morphologies and structures for aqueous supercapacitors operating at
	high voltage
2:25 pm - 2:45 pm	Dr. Alain Pénicaud;
(Invited talk)	Title: From Food Waste to Supercapacitors and Non Precious Metal
	Electrocatalysts for the Oxygen Reduction & Evolution Reactions.
2:45 pm - 3:00 pm	Mr. Mathieu Deschanels
(Oral presentation)	Title: Electrochemical evidence of the modification of carbon materials
	with anthraquinone moiety by a Diels Alder process.
3:00 pm - 3:40 pm	Prof. Patrik Johanson
(Keynote speech)	Title: Pure, Hybrid and Polymerized Ionic Liquid Based Electrolytes:
, , ,	From Fundamentals to Application
3:40 pm - 4:20 pm	Coffee Break + Poster session
4:20 pm - 5:00 pm	Prof. Robert Dominko
(Keynote speech)	Title: Multivalent organic batteries
5:00 pm - 5:40 pm	Dr. Rongying Lin
(Keynote speech)	Title: Ionic liquids-based electrolytes for next generation energy
	storage devices
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
	Departure by bus from the Municipal Library (André Malraux Avenue)
	Please make sure you have registered
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DAY 3: Friday, 24 th January 2020		
08:15 am – 8:30 am	Welcome coffee	
8:30 am - 9:10 am	Prof. Elżbieta Frąckowiak	
(Keynote speech)	Title: Key role of electrolyte in electrochemical capacitors	
9:10 am - 9:35 am	Prof. Thierry Brousse	
(Invited talk)	Title: Pseudocapacitive multicationic oxides	
9:35 am - 10:00 am	Dr. Camélia Ghimbeu	
(Invited talk)	Title: Any match between the carbon pore size induced by salt	
	template and the electrolyte size in electrochemical capacitors?	
10:00 am - 10:30 am	Coffee Break	
10:30 am - 10:45 am	Dr. Ma Ångeles Moreno Fernández	
(Oral presentation)	Title: Flat-shaped carbon-graphene microcomposites for high energy	
	supercapacitors.	
10:45 am - 11:00 am	Dr. Ahed Abouserie	
(Oral presentation)	Title: Hybrid Electrolyte for all Solid-State Fluoride-Ion Batteries	
11:00 am - 11:15 am	Dr. Chandra Sekhar Bongu;	
(Oral presentation)	Title: A new class of Organic Solvent-in-Salt Electrolyte for	
	electrochemical energy storage applications	
11:00 am – 11:40 am	Prof. Claudio Gerbaldi	
(Keynote speech)	Title: Hybrid polymer electrolytes based on UV cross-linked polymer	
	matrixes for solid-state batteries operating at ambient temperature	
11:40 am – 12:20 am	Dr. Philippe Azais	
(Keynote speech)	Title: A Critical Overview of electrochemical energy storage for	
	automotive industry: state of the art to main future trends	
12:20 am	Poster award and conclusive remarks	
	Lunch box distribution (please make sur you have order one)	