

Science@CERIC 2020

22nd- 24th of March 2020, Hermagor-Presegger See (Austria)

Draft Program

Sunday 22nd of March

Start	End	Presenter	Institution	Title
14:00	14:15	CERIC speaker	CERIC	Welcome Ceric
14:15	14:45	Robert Kun	Hungarian Academy of Sciences – Centre for Energy Research	Challenges of the solid-state Li-ion battery research - investigation of the electro-chemo-mechanical aging of all-solid-state Li-ion batteries
14:45	15:15	Stefan Freunberg	Graz University of Technology	Li-batteries (TBC)
15:15	15:45	Giuliana Aquilanti	Elettra Sincrotrone Trieste	Operando characterization of batteries using x-ray absorption spectroscopy: advances at the beamline XAFS
15:45	16:15	-----		Break
16:15	16:45	Jasper Plaisier	Elettra Sincrotrone Trieste	Operando X-ray diffraction: Looking inside working batteries at MCX@Elettra
16:45	17:15	Robert Dominko	National Institute of Chemistry (SLO)	Long term battery research roadmap at EU level
17:15	17:45	Benedetto Bozzini	Politecnico di Milano	In situ spectroscopies and imaging for the study of Zn-air batteries
17:45	18:15	Antonella Iadecola	RS2E	Advanced characterization of energy storage materials at SOLEIL
18:15	18:45	Lorenzo Stievano	Institut Charles Gerhardt Montpellier	Operando synchrotron methods for the study of batteries: application to alloy and conversion reactions
18:45	19:00	Q&A		
20:30	22:00	Poster Session		

Monday 23rd of March

Start	End	Presenter	Institution	Title
08:30	09:00	Levente Tapaszto	Hungarian Academy of Sciences – Centre for Energy Research	2D materials as efficient active platforms for catalyzing the hydrogen evolution reaction
09:00	09:30	Peter Kus	Charles University Prague	Regenerative fuel cell catalysts and electrolyzers (TBC)
09:30	10:00	Thomas Rath	Graz University of Technology	Photovoltaic materials (TBC)
10:00	10:30	-----		Break
10:30	11:00	Jacek Szade	Solaris	Materials for the energy studies (TBC)
11:00	11:30	Mihaela Florea	National Institute of Material Physics (ROM)	Perovskite Solar Cells- status and challenges
11:30	12:00	Gregor Mali	National Institute of Chemistry (SLO)	Solid-state NMR spectroscopy of energy-storage materials
12:00	12:30	TBD		CEROP – Deciphering single-atom catalysis in Pt/ceria systems via advancing the CERIC operando methods (TBC)
14:00	14:30	Sebastian Glatt	Solaris	Molecular structure- behind the cryomicroscopy facility @ Solaris (TBC)
14:30	15:00	Peter Podbevšek	National Institute of Chemistry (SLO)	Oxidative stress and G-rich genomic regions
15:00	15:30	Marko Trajkovski	National Institute of Chemistry (SLO)	NMR-based characterization of G-quadruplex interactions with (poly)ethylene glycols
15:30	16:00	Primož Šket	National Institute of Chemistry (SLO)	DNA & RNA from biological and nanotechnological point of view
16:00	16:30	-----		Break
16:30	17:00	Wojciech Kwiatek	Solaris	Biomedical application of X-rays and FT-IR at synchrotron facilities (TBC)
17:00	17:30	Giovanni Birarda	Elettra Sincrotrone Trieste	Chemistry and Biology at the nanoscale: the new nano-spectroscopy and nano-imaging end-station at SISSI beamline + Renewals (TBC)
17:30	18:00	Zdravko Siketic	Ruđer Bošković Institute	MeV TOF-SIMS analysis of biological materials
18:00	18:30	Aden Hodzic	CERIC-ERIC	Nanoanalytics in pharmaceuticals (TBC)
18:30	19:00	Q&A		
20:30	22:00	Poster Session		

Tuesday 24th of March

Start	End	Presenter	Institution	Title
08:30	09:00	Paolo Falcaro	Graz University of Technology	MOF Synthesis (TBC)
09:00	09:30	Luca Gregoratti	Elettra Sincrotrone Trieste	Insights on properties of morphologically complex functional materials using advanced synchrotron methods (TBC)
09:30	10:00	Milko Jaksic	Ruđer Bošković Institute	Diamond as detectors operating at high temperatures: perspectives for high power electronic (TBC)
10:00	10:30	-----		Break
10:30	11:00	Andrea Locatelli	Elettra Sincrotrone Trieste	MAG-ALCHEMI – Magnetic Anisotropy Grafting by means of Atomic Level CHEMical engineering at film Interfaces (TBC)
11:00	11:30	Kevin Prince	Elettra Sincrotrone Trieste	Dyna Chiro – Spectroscopy and Dynamics of Chiral Systems (TBC)
11:30	11:45	Heinz Amenitsch	Graz University of Technology	Integra Project (TBC)
11:45	12:00	Closing		