

- s1 Stéphane Arbault, Developing Spectro-Electrochemical Methods to Study Sub-Cellular Biological Entities - [U], **Abstract.**
- s1 Samo Hocevar, Screen-Printed Electrode-Based Sensors: From Trace Metal Analysis and Gas Detection to Immunosensing - [U], **Abstract.**
- s1 Nako Nakatsuka, Aptamer-Modified Nanopipettes for Small-Molecule Biosensing - [U], **Abstract.**
- s1 Karolina Schwarzova-Peckova, Perspectives of Boron Doped Diamond Electrodes in Electroanalysis of Organic Compounds - [U], **Abstract.**
- s1 Anne de Poulpiquet, Visualization of the electrode/electrolyte interface by in situ fluorescence microscopy: characterization of the local electrochemical & electro-enzymatic reactivity - [U], **Abstract.**
- s1 Wojciech Nogala, Redox Activity Mapping: Recent Progress and Prospects - [U], **Abstract.**
- s1 Patrizia Romana Mussini, Enantioselective Voltammetry & Electronic Chiroptical Spectroscopy: Exploring Intriguing Analogies and Connections - [U], **Abstract.**
- s1 Christine Kranz, Scanning Electrochemical Probe Microscopy: From Sensing Molecules to Sensing Forces - [U], **Abstract.**
- s1 Frank Marken, Heterogenisation of Photo- and Electrocatalysts into Polymers of Intrinsic Microporosity (PIMs) - [U], **Abstract.**
- s1 Rasa Pauliukaite, Alternative pH determination using conducting polymer modified electrodes - [U], **Abstract.**
- s1 Maria Jesus Lobo-Castañón, Bioelectrochemical Platforms for the Detection of Long Non-Coding RNAs Upregulated in Cancer - [U], **Abstract.**
- s2 Keisei Sowa, Structural and Bioelectrochemical Study of Direct Electron Transfer-type Membrane-bound Fructose Dehydrogenase - [U], **Abstract.**
- s2 Jenny Zhang, Electrochemically tapping into the photosynthetic electron transport chain - [U], **Abstract.**
- s2 Benjamin Erable, Exploring structuration, heterogeneity and chemistry gradients in multi-species electroactive biofilms using microfluidic bioelectrochemical chips - [U], **Abstract.**
- s2 Marcos Pita, Electro-enzymatic ATP Regeneration System for Phosphorylation Reactions and Biosensing Based on Co-immobilization of Membrane Enzymes on a Floating Phospholipid Bilayer - [U], **Abstract.**
- s2 Marcello Gennari, A tale of a family of Hydrogenase mimics: [NiFe] vs [FeFe] bio-inspired molecular electrocatalysts, solution studies and heterogenization. - [U], **Abstract.**

- s2 Felipe Conzuelo, Interfacing Photosynthetic Biomolecules with Electrodes for Solar Energy Harnessing: Detailed Evaluation and Progress in Performance - [U], **Abstract.**
- s3 Federico Calle-Vallejo, Oxygen evolution reaction: beyond heuristic screening models - [U], **Abstract.**
- s3 Ruediger Eichel, Hydrogen – Hope, Help or Hype? - [U], **Abstract.**
- s3 Plamen Atanassov, Atomically Dispersed Transition Metal-Nitrogen-Carbon Catalysts for Oxygen, Carbon Dioxide or Nitrogen Electro-reduction - [U], **Abstract.**
- s3 Sanjeev Mukerjee, Enabling Hydrogen at Scale using Low-Temperature Electrolysis with Sustainable Materials - [U], **Abstract.**
- s3 Mark Symes, Decoupled Electrolysis with Soluble Redox Mediators for Energy Storage and Conversion - [U], **Abstract.**
- s3 Alexis Grimaud, From materials- to interfacial-descriptors for the oxygen evolution reaction - [U], **Abstract.**
- s3 Rebecca Pittkowski, Novel strategies for oxygen evolution catalysts: from multi metallic to high entropy oxides. - [U], **Abstract.**
- s3a Francois Beguin, Revisiting the performance of electrical double-layer capacitors using the sodium perchlorate water-in-salt electrolyte - [U], **Abstract.**
- s3a Ivana Hasa, Sodium-ion Batteries: The Journey from Materials to Cell Development - [U], **Abstract.**
- s3a Krzysztof Fic, Hybrid Li-ion Capacitor With Redox-Active Electrolyte - [U], **Abstract.**
- s3a Megan Sassin, Generating Anion-Conducting Solid-State Electrolytes via Initiated Chemical Vapor Deposition for Macroscale 3D All Solid-State Batteries - [U], **Abstract.**
- s3a Agnieszka Chojnacka, Key parameters for the realization of high performance Na-ion capacitors - [U], **Abstract.**
- s3a Steen Schougaard, Unraveling the Processes and Structures That Limit Li-ion Batteries - [U], **Abstract.**
- s3a Volker Presser, Permselectivity of Sub-Nanometer Carbon Pores: From Prediction to Experimental Verification - [U], **Abstract.**
- s3a Erik Berg, Towards Mechanistic Understanding of Solid Electrolyte Interphases in Li-ion Batteries - [U], **Abstract.**
- s3a Dominic Bresser, Single-Ion Polymer Electrolytes for High-Energy Li-Metal Batteries - [U], **Abstract.**
- s4 Mikhail Zheludkevich, Boosting Primary Mg Cells via Optimization of Anode Self-Corrosion - [U], **Abstract.**
- s4 Robert Dryfe, Electrowetting on Conductors - [U], **Abstract.**

- s4 Mark Bissett, Electrochemical Exfoliation and Chemical Functionalization of 2D Materials - [U], **Abstract.**
- s4 Elzbieta Frackowiak, Green and Cheap Supercapacitor Based on Reline DES Electrolyte - [U], **Abstract.**
- s4 Jiri Cervenka, High-Voltage Aqueous Dual-Ion Batteries Based on Water-In-Salt Electrolytes - [U], **Abstract.**
- s4 Mercedes Sanchez Moreno, Layered Double Hydroxides as additives for improving corrosion protection of steel rebars in concrete - [U], **Abstract.**
- s4 Junsoo Han, AESEC-EIS: Elementally resolved dissolution kinetics of a NiCrFeMn(Mo)Co system - [U], **Abstract.**
- s4 Tom Hauffman, Unravelling the effect of hybrid interfaces on the durability of hybrid systems in situ: a combined spectro-electrochemical approach - [U], **Abstract.**
- s4 Ladislav Kavan, Conduction Band Minimum in Titania Electrodes: Fundamentals and Applications - [U], **Abstract.**
- s4b Alexandre Bastos, EIS Characterization of Mechanically Formed Coil-Coatings - [U], **Abstract.**
- s5 Jan Vaes, Upscaling CO<sub>2</sub> Electroreduction - [U], **Abstract.**
- s5 Claudia Weidlich, Monitoring the State of Charge at Vanadium Redox Flow Battery Half-Cells to identify Crossover of Electrolyte - [U], **Abstract.**
- s5 Ann Cornell, Electrolysis of Black Liquor for Green Hydrogen Generation - [U], **Abstract.**
- s5 Michele Mascia, Modelling bio-electrochemical systems for the removal of pollutants from soil and water - [U], **Abstract.**
- s5 Thomas Turek, Coupling Alkaline Water Electrolysis with Fluctuating Renewable Energies - [U], **Abstract.**
- s5 Xochitl Dominguez Benetton, Gas-Diffusion Electrocrystallization - [U], **Abstract.**
- s5 Francois Lopicque, Direct hybridization of membrane fuel cells by supercapacitors for low resource demand in personal (sub)urban transport - [U], **Abstract.**
- s6 Frantisek Hartl, Redox-Controlled Photoswitching in Triethynyl Terthiophene Complexes - [U], **Abstract.**
- s6 José H. Zagal, 3D Modulation of the electrocatalytic activity of Fe phthalocyanine via axial ligation to carbon nanotubes: electrochemistry of aminoacids l-cysteine and l-cystine and the O<sub>2</sub> reduction reaction - [U], **Abstract.**
- s6 Cédric Tard, Molecular Electrochemistry: The Avant-Garde Contribution of Jean-Michel Savant - [U], **Abstract.**

- s6 Daniel Little, Ongoing Interest, Thoughts, and Realizations into the Behavior and Use of Redox Mediators - [U], **Abstract.**
- s6 Robert Francke, The Synergistic Interplay between Catalysis and Electrosynthesis - [U], **Abstract.**
- s6 Jeanet Conradie, Redox Chemistry of Benzophenones - [U], **Abstract.**
- s6 Ismael Diez-Perez, Bio-inspired Electrochemical Tunnelling Junctions - [U], **Abstract.**
- s6 Christian Amatore, Molecular Electrochemistry: Is the Absence of Any Evidence of Surface Reactions an Evidence of their Absence? - [U], **Abstract.**
- s7 Harry Hoster, Ordered and disordered host-guest-patterns in electrodes: thermodynamic models and operando measurements - [U], **Abstract.**
- s7 R. Kramer Campen, Probing the Birth of the Solvated Electron and Vibrationally Mediated Charge Transfer at the Gold/Water Interface in Real Time - [U], **Abstract.**
- s7 Albert C. Aragonès, Plasmonics & (bio)molecular transport: optical trapping and hot carriers - [U], **Abstract.**
- s7 Eduardo Laborda, Insights into multi-electron homogeneous molecular catalysis via UV-vis spectroelectrochemistry - [U], **Abstract.**
- s7 Stijn Mertens, Electrochemistry beyond Redox Processes: from Collective to Single Molecule Switching - [U], **Abstract.**
- s7 Tobias Binninger, Electrochemical Interfaces: Where Electronics meet Ionics - [U], **Abstract.**
- s7 Katharina Doblhoff-Dier, Electric Double Layers: Unknown knowns and why they are relevant - [U], **Abstract.**
- s7 Mariana Monteiro, Metal Cations in the Electrolyte: Uncovering Heroes and Villains - [U], **Abstract.**
- s7 Marta Costa Figueiredo, Electrocatalytic synthesis of ammonia and urea - [U], **Abstract.**