

PROGRAM_LIST OF ORAL and POSTER SESSIONS

25.5 Monday morning 9.00 – 12.35

Electroanalytical chemistry. Sensors

Opening procedure

Daniel Mandler, Nanoparticle-Imprinted Matrices: A New World of Nanoconfinement

Luigi Falciola, Advanced hybrid or composite nanomaterials for next-generation (photo)-electroanalytical sensing

Coffee break

Hubert Perrot, Deep Investigation of Various Electrified Interfaces Through Advanced Electrogravimetric Sensors

Svetlozar Ivanov, Determination of phosphorus content from the electrogravimetric response of Ni-P layers during galvanostatic anodic polarization

Lunch 12.35 – 14.05

25.5 Monday afternoon 14.05 – 18.00

Li and Na based batteries

Doron Aurbach, Guide for characterization of polymeric electrolytes in rechargeable solid-state Li and Na batteries

Magdalena Graczyk-Zajac, Enhancing the Electrochemical Performance of Sn-based Anodes for Sodium-Ion Batteries: Impact of Processing and Operational Parameters

Monika Wilamowska-Zawlocka, Sustainable Electrode Active Materials for Lithium- and Sodium-Ion Batteries

Coffee break

Oleg Levin, Regulating the Conductivity Window of Potentiorestrictive Materials for Lithium-Ion Battery Protection

Aishui Yu, From Oxide to Sulfide via Polymer Composites: A Progressive Strategy towards High-Energy-Density Lithium

Dinner from 18.00

Oral Poster Session from 19.30

26.5 Tuesday morning 9.00 – 12.30

Sensors. Bioelectrochemistry

Lital Alfonta, Electrochemical properties of engineered biological nanowires

Marília Goulart, Balancing Life's Currents: Wiring Redox Therapy and Electrochemistry

Coffee break

Bernardo Patella, Nanostructured Electrochemical Sensors for Healthcare Applications

Fabiana Arduini, Printed electrodes modified with cost-effective carbon black nanomaterial for smart electrochemical (bio)sensors

Chiara Zanardi, New Electroactive Materials for the Detection of Glyphosate

Lunch 12.30 – 14.00

26.5 Tuesday afternoon 14.00 – 18.00

Electroactive materials

Olga Kasian, Design of Durable Thin-Film Electrocatalysts with Reduced PGM Content

Marijana Kraljić Roković, WO₃ modified by transition metals for photocatalytic application

Veronika Laurinavichyute, Electrodeposition of Mixed Mo_xW_{1-x}O₃·2H₂O Films: From Solution Speciation to Electrochromic Kinetics and Ionic Transport

Coffee break

Jorge Correia, Coupled Electrochemical–Ellipsometric Investigation of Unique Redox-Induced Swelling in PEDOT:PSS Prepared at Low Temperature

Terry Steele, **Next Generation Designs of Voltage/Current Activated Adhesives**

Zbigniew Stojek, Electrosensitive Gel Microlayers on Electrode Surfaces

Dinner from 18.00

Poster Exposition-1 from 19.30

27.5 Wednesday morning 9.00 – 12.40

Nanoelectrochemistry. Liquid-electrolyte power sources

Vladimir Mirsky, Cyclic voltarefractometry of individual nanoparticles
Theresa Schoetz, Electrochemical Interface Engineering for Mechanistic Insights into Charge Storage

Coffee break

Mikhail Vorotyntsev, Novel mechanism of redox-mediator catalytic electrochemical processes. Implication for chemical power sources of very high energy densities

Lili Zhang, Decoupling the Interfacial Failure Mechanisms of Zn Anodes via Functional Zoning Strategy

Lunch 12.40 – 14.10

Relaxation/Excursion 14.10 – 18:30

Conference Dinner from 19.00

28.5 Thursday morning 9.00 – 12.40

Heterogeneous (photo)electrocatalysis

Magdalena Skompska, Visible Light-driven Z-scheme BiVO₄/Au/g-C₃N₄ Photocatalyst – Synthesis, Properties and Applications
Mariangela Longhi, Effect of Synthesis Parameters on the Morphological and Functional Properties of Nitrogen-Doped Carbon Nanocubes

Kamila Zarebska, Materials for photo(electro)generation of hydrogen - graphitic carbon nitride (g-C₃N₄) doped with cobalt or nickel

Coffee break

Alain Pailleret, Amorphous Carbon Nitride thin films : from the tuning of their surface properties using the deposition parameters to their application in electroanalysis and energy conversion

Valentina Pifferi, Dual-Mode (Photo)Electrochemical Enantiomeric Sensing by chiral conductive polymers

Lunch 12.40 – 14.10

28.5 Thursday afternoon 14.10 – 18:10

Electroactive materials

Laurent Ruhlmann, Photoredox and photo(electro)switchable materials based on porphyrin

Samer Dawoud, Photoelectroactive covalent hybrids based on (iso)porphyrin-polyoxometalate assemblies

Alessandro Silvestri, Water-Processable 2D Covalent Organic Frameworks Based on Porphyrin and Diketopyrrolopyrrole for Advanced Electrochemical Sensing

Coffee break

Martin Sjodin, Immobilization Strategies for Molecular Iron Catalysts: Linking Molecular Electrochemistry to Carbon Electrodes

Peter Rapta, The electrochemical coupling of substituted (pentafluorophenyl)-1,3,4-oxadiazoles via C–F bond cleavage as a new approach for preparation of electron and hole transporters

Dinner from 18.10

Poster Exposition-2 from 19.30

29.5 Friday morning 9.00 – 10.55

Heterogeneous electrocatalysis

Marcin Opallo, Electrocatalysis(?) of O₂ reduction at non-metallated hypercrosslinked polymer modified electrodes

Yao Yao, Oxygen Evolution Reaction and its Competition with Chlorine Oxidation Reaction on Electrode/Electrolyte Interfaces

Andrew Hainer, Improving the sensitivity and versatility of differential electrochemical mass spectrometry for the mechanistic analysis of electrode degradation in water electrolysis

Closing procedure

Lunch 11.00 – 12.30

Departure of WEEM bus 13.20