Program of Symposium 17

All submitted presentations will be exposed for the whole duration of the meeting (**from Sunday, August 30, till Friday, Sept 4**) at the symposium site:

http://ise-2020-symposium17.fkit.hr/

password to access presentations and other documents: **2020sym17**

- At the symposium website there is a possibility for the ISE meeting participants to pose questions and/or to give comments addressed to authors of the corresponding presentation. Comments will appear on web site right after the presentation content, along with the commenter's name, the date, and time they left the comment. There will be possibility for authors of the corresponding presentation to reply to a comment in the written form. Then, the reply will appear just under that comment. The organisers will collect all comments and questions without answer in order to allow the lecturer to give orally replies to them (as well as to add further comments on any other point) during discussion session.
- Discussion sessions will take place online by using Zoom application; the authors will not repeat their presentations, they will use their slots for replying questions and comments on the presentation. The number of participants will be limited to 500 people. Invitation to Zoom Meeting will be announced at symposium web site.
- All documents will be protected by the same password.

DISCUSSION SESSION OF SYMPOSIUM 17

September 2, SESSION 1 (conjugated and redox polymers)

Zoom Meeting 1

10:00-10:10 Opening

10:10-10:30 **Jadranka Travas-Sejdic**, Conducting Polymer Biointerfaces (**keynote**)

10:30 10-40 **Gyozo G. Lang**, Electrochemical Impedance Spectroscopy for the Characterization of Conductive Polymer Films - The Non-stationary Case (**invited**)

10:40-10:50 **Csaba Visy**, How Can Details of Processes of Conducting Polymers Be Uncovered by Means of In-situ Combined Electrochemical Techniques

10:50-11:00 **Alexander Nekrasov**, Raman spectroelectrochemistry of conducting polymer films on reflective electrode: role of double excitation of the solution layer

11:00-11:10 **Mikhail Vorotyntsev**, Combined Spectroelectrochemical and EQCM Study of Magnesium Porphine Electropolymerization Process

11:10-11:20 **Laurent Ruhlmann**, Hybrid (iso)porphyrin – polyoxometalate copolymer for photo(electro)chemical applications: from flat to mesoporous ITO electrodes

Zoom Meeting 2

11:40-11:50 **Martin Sjödin**, Designing Quinone-based Conducting Redox Polymers specifically for Aqueous Proton Batteries and for Lithium Ion Battery Cathodes

11:50-12:00 **Adriana Ribeiro**, Multielectrochromic Conjugated Polymers Based on 2,5-Di(thienyl)pyrrole Derivatives

12:00-12:10 **Sara Grecchi**, New Families of Inherently Chiral Monomers with Different Atropisomeric Cores for Applications as Oligomeric Films in Chiral Electrochemistry

12:10-12:20 **Wahid Ullah**, Preparation of Covalently Attached and Robust PANI Nanorod Arrays Using an Oriented Mesoporous Silica Film as Hard Template

12:20-12:30 **Federica Mariani**, Design of an electrochemically gated organic semiconductor for pH sensing

12:30-12-40 **Luis Almeida**, Electropolymerization of Catechol and Bio-inspired Analogues - Performance of Thin Films as Biosensing Interfaces

September 2, SESSION 2 (inorganic systems: intercalation, mixed valence and nanostructured)

Zoom Meeting 3

14:20-14:30 Opening

14:30-14:40 **Mario Ferreira**, Multifunction Nanostructured Coatings for Corrosion Protection. Contribution to a Sustainable Technology (**invited**)

14:40-14:50 **Aleksandr Ivanishchev**, Structural and Electrochemical Characterization of Lithium and Transition Metals Polyanionic Compounds

14:50-15:00 **Jürgen Schoiber,** $H_2V_3O_8$ as model system for ion insertion

15:00-15:10 **Ivana Zrinski,** Influence of electrolyte selection on anodic memristors behavior

15:10-15:20 **Ponart Aroonratsameruang**, Surface Modification of Metal-Insulator-Semiconductor (MIS) Photoanodes with Prussian Blue Analogs

15:20-15:30 **Verónica de Zea Bermudez**, Smart Electrochromic/Thermotropic Windows of Energy-Efficient Buildings based on Different Electrolytes

Zoom Meeting 4

15:50-16:00 **Daniel Mandler**, Electrochemical Deposition of Composite and Hybrid Materials (**invited**)

16:00-16:10 **Pawel J Kulesza**, Enhancement of Electrooxidation of Simple Organic Fuels at Noble Metal Nanoparticles Supported onto Mixed-Metal-Oxides

16:10-16:20 **Erhan Karaca,** An enzyme-free H_2O_2 sensor based on poly(2_aminophenylbenzimidazole)/gold nanoparticles coated pencil graphite electrode

16:20-16:30 **Pauline E. Desroches**, Lubricin, an Antifouling Coating for Electroactive Surfaces

16:30-16:40 **Patricia Santiago**, Perovskites as electrocatalyst for glycerol oxidation: reaction pathway

16:40-16:50 **Sheng-Mu You**, Bimetallic Organic Framework Deposited on Anodized TiO_2 Nanotube Arrays with Enhanced Photoelectrochemical Activity for Water Oxidation

September 3, SESSION 3 (electroactive composites)

Zoom Meeting 5

14:00-14:10 Opening

14:10-14:30 **Robert Hillman**, Deposition, Wetting and Ion-exchange of Polyaniline and Polyaniline Composite Films in Deep Eutectic Solvents (**keynote**)

14:30-14:40 **Mirko Magni**, Spectrally Selective PANI/ITO Nanocomposite Electrodes for Dual Band Dynamic Windows

14:40-14:50 **Gisella Liliana Lucero Lucas**, Electrochemical nitrite sensor based on PEDOT and hollow AuPt nanoparticles

14:50-15:00 **Wenhai Wang**, Porous Carbons Derived from Alcohol-Treated Bacterial Cellulose for Li-O_2 Batteries

15:00-15:10 **Aldo J.G. Zarbin**, Liquid/liquid interfaces: a new platform to prepare and process thin films of complexes and multi-component electroactive materials

15:10-15:20 **Evgeniy Makagon**, Electro-chemo-mechanical coupling: a novel approach to micro actuation

Zoom Meeting 6

15:40-15:50 **Omolola Esther Fayemi**, Electrochemical and spectroscopic properties of Green Synthesized Gold Nanoparticles Doped in Polyacrylonitrile Nanofibers

15:50-16:00 **Theophilus Kobina Sarpey**, Nanostructured PtxM/C (M = Cu, Co, Ni, Ir, Y) Alloy Electrocatalysts Synthesized via a Novel Top-Down Route Towards the Enhancement of the ORR Activity

16:00-16:10 **Elisa Musella**, Electrochemical Synthesis of Ni/Al Layered Double Hydroxide and Reduced Graphene Oxide Composites for eco-friendly Energy Storage

16 10-16:20 **Rodrigo Muñoz**, Electrochemical synthesis of Prussian blue from iron impurities in 3D-printed graphene electrodes: Amperometric detection of H_2O_2

16:20-16:30 **Laifa Shen**, Reaction Confinement Enables High-Capacity and Stable Anodes for Alkali-Ion Batteries