

5th Satellite Student Regional
 Symposium on Electrochemistry South - East Europe
 June 7-11, 2015 | RIU Pravets | Pravets, Bulgaria

PROGRAM

Venue: Institute of Electrochemistry and Energy Systems at the Bulgarian Academy of Sciences (IEES-BAS), bl. 10, Acad. G. Bonchev Str., 1113 Sofia, Bulgaria

Date and Time: June 7, 2015 from 09:00

09:00 – 09:10	Opening - Institute of Electrochemistry and Energy Systems at the Bulgarian Academy of Sciences (IEES-BAS)
	Session 1 Chair: Marin Pandev
09:10 – 09:50 SS-KN-01	<i>Keynote Lecture</i> Oleksandr Vasylyev , Ye. Brodnikovskiy and M. Brychevskiy Frantcevykh Institute for Problems of Materials Science, Ukraine Structural optimization of solid oxide fuel cells
09:50 – 10:05 SS-O-01	Marius Pelmuș ^{1,2} , Michaela Dina Stănescu ¹ , Eleonora-Mihaela Ungureanu ¹ , Georgiana-Luiza Arnold ¹ , Laszlo Tarko ² ¹ Faculty of Applied Chemistry and Materials Science, Politehnica University of Bucharest, Romania ² Center for Organic Chemistry "C.D. Nenitzescu" of the Romanian Academy, Romania Electrochemical and QSPR investigations of some phenols and aromatic amines
10:05 – 10:20 SS-O-02	Gavriilo Šekularac ^{1*} , Aleksandar Dekanski ¹ , Milica Košević ¹ and Vladimir Panić ¹ ¹ Institute of Chemistry, Technology and Metallurgy - Department of Electrochemistry, University of Belgrade, Serbia Microwave synthesis of crystalline RuO₂ supercapacitor materials
10:20 – 10:35 SS-O-03	Athanasios Papaderakis ^{1,2} , S. Sotiropoulos ¹ , S. Balomenou ² and D. Tsiplakides ^{1,2} ¹ Department of Chemistry, Aristotle University of Thessaloniki, Greece ² Chemical Process & Energy Resources Institute, Centre for Research and Technology Hellas, Greece Electrochemical impedance studies of IrO₂ catalysts for oxygen evolution
10:35 – 10:50	Coffee Break

	<p>Session 2 Chair: Athanasios Papaderakis</p>
10:50 – 11:05 SS-O-04	<p>Elitsa. Chorbadzhiyska^{1*}, Y. Hubenova², M. Mitov¹</p> <p>¹Department of Chemistry, South-West University "Neofit Rilski, Bulgaria mailto:mitovmario@swu.bg</p> <p>²Department of Biochemistry and Microbiology, Plovdiv University "Paisii Hilendarski", Bulgaria</p> <p>New electrocatalysts for bioelectrochemical hydrogen production</p>
11:05 – 11:20 SS-O-05	<p>Ivo Bardarov^{1*}, Yolina Hubenova² and Mitov Mario¹</p> <p>¹ South – West University "Neofit Rilski", Blagoevgrad, Bulgaria</p> <p>² Plovdiv University "Paisii Hilendarski", Plovdiv, Bulgaria</p> <p>Freshwater Sediment Microbial Fuel Cells as remote area power sources</p>
11:20 – 11:35 SS-O-06	<p>Georgiana-Luiza Arnold¹, Catalina Negut (Cioates)^{1,2}, Eleonora-Mihaela Ungureanu^{1*}</p> <p>¹Faculty of Applied Chemistry and Materials Science, Politehnica University of Bucharest, Romania</p> <p>²National Institute for Chemical–Pharmaceutical Research and Development ICCF, 112 Vitan Av., 031299, Bucharest, Romania</p> <p>On the electrochemical behaviour of oleamides</p>
11:35 – 11:50 SS-O-07	<p>Ivana Jevremović^{1*}, Marc Singer², Srđan Nešić², Vesna Mišković-Stanković¹</p> <p>¹University of Belgrade, Faculty of Technology and Metallurgy, Serbia, ²Institute for Corrosion and Multiphase Technology, Ohio University, USA</p> <p>Talmoil diethylenetriamine imidazoline as corrosion inhibitor for mild steel for both continual immersion and top of the line conditions</p>
11:50 – 12:50	<p>Lunch</p>
	<p>Session 3 Chair: Mykola Brychevskyi</p>
12:50 – 13:30 SS-KN-02	<p><i>Keynote Lecture</i></p> <p>Tsvetina Dobrovolska</p> <p>Institute of Physical Chemistry at the Bulgarian Academy of Sciences</p> <p>Electrochemical methods of analysis. Phase identification by anodic linear sweep voltammetry</p>
13:30 – 13:45 SS-O-08	<p>Denis Sačer, Marijana Kraljić Roković</p> <p>University of Zagreb, Faculty of chemical engineering and technology, Croatia</p> <p>Materials based on reduced graphene oxides for supercapacitor devices</p>

13:45 – 14:00 SS-O-09	Alice Giuliano ¹ , M. P. Carpanese ¹ and A. Barbucci ¹ ¹ Department of chemical, civil and environmental engineering (DICCA), University of Genoa, Genoa Characterization and electrochemical measurements of impregnated cathodes for solid oxide fuel cells
14:00 – 14:15	Coffee Break
	Session 4 Chair: Alice Giuliano
14:15 – 14:30 SS-O-10	Barbara Volarič , Ingrid Milošev Jožef Stefan Institute, Department of Physical and Organic Chemistry, Slovenia Conversion coatings based on lanthanide salts and their mixtures as a corrosion protection of 7075-T6 aluminium alloy in chloride solution
14:30 – 14:45 SS-O-11	Katja Fröhlich ^{1*} , Atanaska Trifonova ¹ and Peter Blaha ² ¹ <i>Electric Drive Technologies, Mobility Department, Austrian Institute of Technology, Austria</i> ² <i>Institute of Materials Chemistry, Vienna University of Technology, Austria</i> Understanding of electrochemical processes in lithium nickel manganese cobalt oxide using density functional theory
14:45 – 15:00 SS-O-12	Marin Pandev Institute of Electrochemistry and Energy Systems – BAS Opportunities and Services for Researchers and Research Units. Technology Transfer. Enterprise Europe Network.
15:00 – 15:15 SS-O-13	Yegor Brodnikovskiy
15:15 – 15:30 SS-O-14	Mykola Brychevski
15:00 – 15:10	Conclusions – Closing