



Institute of Physical Chemistry "Ilie Murgulescu"  
of the Romanian Academy



Executive Agency for Higher Education, Research,  
Development and Innovation Funding

## WORKSHOP

***"Substrate effect, a key factor in controlling performances of supported electrocatalysts. Materials and approaches."***

**June16, 2016**

Organized within the frame of the national research project "*Interactional and functional effects of the substrate on the electrochemical behavior of micro and nanostructured metallic and oxidic deposits*", project no. PN-II-ID-PCE-2011-3-0272, director Dr. Nicolae SPATARU.

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June16, 2016, Conference Room, Institute of Physical Chemistry "Ilie Murgulescu", 202 Spl. Independentei, Bucharest.

Hour	Authors / Affiliation	Title of the contribution
9:00 9:30	<b>Registration of participants</b>	
9:30	<b>Nicolae Spătaru*, Petre Osiceanu, Cornel Munteanu, Tanța Spătaru, Maria Marcu</b> Institute of Physical Chemistry "IlieMurgulescu" of the Romanian Academy	<b>Opening Key Note Lecture:</b>  <i>Effect of the substrate on the electrochemical features of supported electrocatalysts – dissemination of scientific results</i>
10:00	<b>Nita Dragoe*, David Bérardan, Sylvain Franger, Diana Dragoe, Arun-Kumar Meena</b> Université Paris Sud, ICMMO, UMR8182 CNRS Synthèse, Propriétés et Modélisation des MatériauxOrsay, France	<b>Key Note Lecture:</b>  <i>High entropy oxides: a new family of functional materials</i>
10:30	<b>Stelian Lupu<sup>1*</sup>, Cecilia Lete<sup>2</sup>, Paul Catalin Balaure<sup>1</sup>, Dan Ion Caval<sup>1</sup></b> <sup>1</sup> University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science, Department of Analytical Chemistry and Environmental Engineering <sup>2</sup> Institute of Physical Chemistry "IlieMurgulescu" of the Romanian Academy	<b>Key Note Lecture:</b>  <i>Development of bio-composite materials modified microelectrodes arrays using sinusoidal voltages method</i>



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11:00	<b>Ana-Maria Popescu<sup>1*</sup>, Virgil Constantin<sup>1</sup>, Elena Ionela Neacșu<sup>1</sup>, Kazimir Yanuskevich<sup>2</sup>, Olga Demidenko<sup>2</sup>, M.Burada<sup>3</sup>, Vasile Soare<sup>3</sup></b> <sup>1</sup> Institute of Physical Chemistry "IlieMurgulescu" of the Romanian Academy <sup>2</sup> Scientific – Practical Materials Research Centre NAS, Minsk, Belarus <sup>3</sup> Institute of Non-ferrous and Rare Metals-IMNR, New Materials and Technologies Laboratory	<b>Key Note Lecture:</b>  <i>Effects of the substrate on the morphology and corrosion behavior of the metallic deposits of ZnNiP</i>
11:30	<b>Coffee break</b>	
12:00	<b>Cristian Pirvu*, Simona Popescu, Mihaela Mindroiu, Camelia Ungureanu, Claudiu Manole,</b> University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science	<b>Key Note Lecture:</b>  <i>Titanium surface modification for a better interaction with biological environment</i>
12:30	<b>Mihai Gîrțu*, Cornel Oprea</b> Ovidius University, Constanța	<b>Key Note Lecture:</b>  <i>Electron structure effects in light harvesting and catalytic activity of TiO<sub>2</sub>-based systems</i>
13:00	<b>Crina Anastasescu<sup>1</sup>, Ioan Balint<sup>1*</sup>, Nicolae Spătaru<sup>1</sup>, Maria Zaharescu<sup>1</sup>, Daniel Angelescu<sup>1</sup>, Cornel Munteanu<sup>1</sup>, Veronica Bratan<sup>1</sup>, Tanța Spătaru<sup>1</sup>, Cătălin Negrilă<sup>2</sup></b> <sup>1</sup> Institute of Physical Chemistry "IlieMurgulescu" of the Romanian Academy <sup>2</sup> National Institute of Material Physics, Măgurele, Romania	<b>Key Note Lecture:</b>  <i>Light adsorption and photocatalytic properties of highly defected SiO<sub>2</sub> with tubular morphology</i>
13:30	<b>Fănică Cimpoeșu*, Anca Toader</b> Institute of Physical Chemistry "IlieMurgulescu" of the Romanian Academy	<b>Key Note Lecture:</b>  <i>Mechanisms of charge transport and spin catalysis in carbon-based materials</i>
14:00	<b>Lunch</b>	
15:00 - 17:00	<b>Round Table Discussion on Future Cooperation Directions</b>	