Warsaw, 30-09-2015

Report of ISE sponsored meeting:

12th International Symposium on Electrochemical/ Chemical Reactivity of New Materials – „Surface Science – key to understand advanced materials"

Symposium organizers:

- Marcin PISAREK (Chairman), Institute of Physical Chemistry Polish Academy of Sciences, Warsaw, Poland
- Maria JANIK-CZACHOR (Honorary Chairperson), Institute of Physical Chemistry Polish Academy of Sciences, Warsaw, Poland
- Hiroki HABAZAKI (Vice-Chairman), Division of Materials Chemistry, Faculty of Engineering, Hokkaido University, Japan
- Aleksander KRUPSKI (Vice-Chairman), Department of Earth & Environmental Sciences, Faculty of Science, University of Portsmouth, United Kingdom

The 12th International Symposium on Electrochemical/ Chemical Reactivity of New Materials took place from 14th to 18th of September. These cyclic symposium were held already for the third time as a part of the EMRS Fall Meeting conference in Warsaw (the 9th in 2007, the 10th in 2010 and 12th in 2015) in order to extend the necessary collaboration of chemists and physicists with material scientists. The inspiration of organizing these interdisciplinary symposia came from Prof. Koji Hashimoto (Tohoku University), back in 1993.

This year the keynote of our Symposium referred to the general topic "Surface Science – key to understand advanced materials" and promoted various opportunities for interdisciplinary collaboration of scientists from around the world in addition to presentation of new results, ideas and technologies in the field of - new perspective materials for catalysis and electrocatalysis, - chemical and electrochemical methods for surface functionalization: potential applications, - new materials in renewable energy production, - solid state materials characterization - physical methods, - new generation of biomaterials, - new functional nanomaterials, - corrosion protection.

A large number of world-leading scientists, as the speakers, were invited from academia, research institutes, and industry: **Philippe Marcus** (Institut de Recherche de Chimie Paris, CNRS-Chimie Paris Tech, France), **Koji Hashimoto** (Institute for Materials Research, Tohoku University, Sendai, Japan), **Sebastian Fiechter** (Helmholtz-Zentrum Berlin für Materialien und Energie, Berlin, Germany), **Jan Augustyński** (CeNT, University of Warsaw, Poland), **Georg Held** (University of Reading, UK), **Jolanta Światowska** (Institut de Recherche de Chimie Paris, CNRS-Chimie Paris Tech, France), **Pavel Jelinek** (Institute of Physics of Czech Academy of Science, Prague, Czech Republic), **Marek Nowicki** (Institute of Experimental Physics, University of Wroclaw, Poland), **Gediminas Niaura** (Center for Physical Sciences and Technology, Vilnius, Lithuania), **Akkiko Yamamoto** (National Institute for Materials Science, Tsukuba, Japan), **Robert A. Varin** (University of Waterloo, Ontario, Canada), **Torben R. Jensen** (iNANO, Department of Chemistry, Aarhus University, Denmark), **Neil Fox** (University of Bristol, UK), **Andrzej Całka** (University Wollongong, Australia), **Isao Saeki** (Muroran Institute of Technology, Materials Science and Engineering, Muroran, Japan), **Mikito Ueda** (Faculty of Engineering, Hokkaido University, Japan), **Markus Niederberger** (Laboratory for Multifunctional Materials, ETH Zürich, Switzerland), **Grzegorz Sulka** (Faculty of Chemistry, Jagiellonian Univeristy, Krakow, Poland), **Galina Tsirlina** (Department of Electrochemistry, Moscow State University, Moscow, Rusia), **Paweł Kulesza** (Faculty of Chemistry, University of

Warsaw, Warsaw, Poland), **Nazukao Kumagai** (Hitachi Zosen Corporation), **Christine Blanc** (School of Chemical Sciences and Engineering, Toulouse, France), **Ingrid Milosev** (Institut "Jožef Stefan", Ljubljana, Slovenija), **Mohamed Jouini** (University Paris-Diderot Sorbonne-Paris, France).

The number of the attendees was over 100 from 25 countries, from four continents (Asia, North America, Australia, Europe). The Symposium was organized with care to maintain sufficient time for the presentation and the discussions. We also had 37 contributed poster presentations, which promoted further discussion among the attendees. Conference proceedings (full length article) will be published in a special issue of the Applied Surface Science journal. The submission deadline is 31st December 2015.

ISE sponsorship:

- The conference was opened by lecture of Prof. Philippe Marcus "Corrosion Chemistry: a Surface Science Approach", who is a member of ISE Fellows.

- In order to express our sincere gratitude to ISE for the generous sponsorship, the logo of ISE was displayed graphically during the conference with the information regarding the Society.

- Moreover, logo of ISE were printed on all conference documents (announcements, program, book of proceeding, special issue – in progress, web information site http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&Itemid=1662&id=873&PHPSESSID=110bb63ca13ea542e144b38f0dd9270f)

Marcin Pisarek, Symposium Chairman

Co-organizers : Maria Janik-Czachor, Hiroki Habazaki, Aleksander Krupski