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ISMEC 2016 AND THE 9TH EDITION OF FERNANDO PULIDORI AWARD

The 2016 edition of the International Symposium on Metal Complexes took place in Barcelona (Spain) and it was attended by almost one hundred of delegates from all over the world. The traditional Fernando Pulidori Prize (9th Edition) was awarded this year to Natalia Busto Vázquez, from the University of Burgos.

 The VII edition of the International Symposium on Metal Complexes (ISMEC 2016) (<http://ismec2016.com/index.html>), took place in Barcelona (Spain) from the 7th to 10th of June 2016, organized by the research group of prof. Manuel Valiente (Universitat Autònoma de Barcelona), at the splendid location of Casa Convalescència. ISMEC 2016 is the 43rd edition of a series of Meetings that began in 1974 as the National Congress of the Italian group of “Thermodynamics of Complexes”. More than a decade later, in 1989, the 1st Italian-Spanish Congress on Thermodynamics of Metal Complexes was held in Modena, Italy, opening a series of annual meetings alternatively held in Italy and Spain. Therefore, starting from the 2010 edition of the congress, held in Bilbao (Spain), the participation was widened again and the name was changed to “International Symposium on MEtal Complexes (ISMEC)”. The ISMEC 2016 conference hosted about 80 participants coming from all over the world.

The Meeting has been focused on various aspects of the basic studies and applications of the thermodynamics and kinetics of metal complexes, in particular concerning the following general topics:

- Chemical thermodynamics;

- Solution equilibria and coordination chemistry;
- Metal-complex interactions with biomolecules;
- Metals in diseases: transport, homeostasis and toxicity;
- Metal-based drugs: therapy and diagnosis;
- Analytical methods and sensors based on metal complexes;
- Proteomics and metabolomics;
- Metals in supramolecular chemistry;
- Computational methods for equilibrium analysis.

The Meeting proved a valuable forum for discussion on the latest and most important advances on the above areas, helping to create new collaborations between researchers with different expertise and complementary knowledge.

The program included three plenary lectures:

- “Novel Nanocomposite for High Efficiency Solid Oxide Fuel Cell”, M. Muhammed (Functional Materials Division, The Royal Institute of Technology, Stockholm, Sweden);
- “Redox and Coordination Environment: Controls over Uranium Behavior in Complex Natural Sediments”, J. Bargar (Chemistry and Catalysis Division, Stanford Synchrotron Radiation Lightsource, SLAC National Accelerator Laboratory, USA);



The ceremony of the 9th Edition of Fernando Pulidori Prize, awarded to Natalia Busto Vázquez

- “Metal Imaging at Nanometer Level in Biological Cells by Nano Secondary Ion Mass Spectrometry (NANOSIMS)”, D. Schaumlöffel (Research Director CNRS Université de Pau et des Pays de l’Adour/CNRS IPREM UMR, Pau, France).

In addition, 2 key-note and 25 oral communications were presented, along with 42 posters.

A novelty of this edition was the “BROKERAGE SESSION”, intended to favour the onset of collaborations and research projects, the exchange for personal training in the best specialized centres and the transfer of specific technology between labs.

This session consisted of individual meetings of twenty minutes, where the people had the opportunity to meet other key participant persons to discuss and achieve agreements for their future activity. The topics of these personal meetings were:

- Academic Research

- Industrial Development Research;
- Technical Training Formation in specific topic/technique;
- Start-Up generation from research results.

In addition, one session was devoted to the visit to ALBA, the 3rd generation Synchrotron Light facility located in Cerdanyola del Vallès, (Barcelona).

During ISMEC 2016, the Fernando Pulidori Prize (9th Edition) was awarded to Natalia Busto Vázquez, a Post-Doc student from the University of Burgos, presenting the paper entitled: “Ag₂ and Ag₃ Clusters: Synthesis, Characterization, and Interaction with DNA” (*Angew. Chem. Int. Ed.*, 2015, **54**, 7612). An extended abstract of that paper can be found in the following pages of this journal.

ISMEC 2017 will be held in Dijon, France, on 11th-15th June 2017 (<https://ismec2017.sciencesconf.org/resource/page/id/3>).

