

ISE Division 6: MOLECULAR ELECTROCHEMISTRY

2016 Annual Activity Report

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News

Marilia Goulart, former Chair of our Division, has been elected **Vice President for term 2017-2019**. Many congratulations!

Olivier Buriez will be our **new Chair for the 2017-2019 term**. Good luck with the new job, Olivier!

Election of the New Division Officer. The elections of the new Chair Elect (for the 2017-2019 term) took place from October 4 to October 18. Candidatures for new Chair Elect are **Carlos Frontana** (Mexico), **Magdalena Hromadova** (Czech Republic) and **Patrizia Mussini** (Italy).

Activities in 2016

a) Jaroslav Heyrovsky Prize for Molecular Electrochemistry

The newly introduced Prize, supported by Division 6, is awarded annually to a scientist who has made an important contribution to the field of molecular electrochemistry in the last 5 years. First winner was Prof. Flavio Maran who received the prize at the ISE AM in Taipei and delivered his JHP lecture "Molecular Electrochemistry: from Protons to Electrons, from Molecules to Molecular Nanoclusters" on Thursday October 8, 2015.

The 2015 JHP was awarded to R. Daniel Little (Department of Chemistry and Biochemistry University of California, Santa Barbara USA) at the ISE AM in Den Haag. Dan delivered his JHP lecture "Recent Advances in Electroorganic Synthesis: Redox Mediators; Reusable Electrolytic Reaction Media; Redox Reactions Using a Simple Flow Apparatus" on Monday 22 August 2016.

The decision concerning the winner for the 2016 edition was made by the Jaroslav Heyrovsky Prize committee, composed by Marilia Goulart, Dan Little, Justin Gooding, Olivier Buriez and Francesco Paolucci, that received 7 nominations (all eligible). The committee converged on the final winner in the person of **Ismael Diez Perez** (University of Barcelona, Spain) for his "**outstanding contributions to the field of molecular electron transfer obtained through electrochemically controlled single-molecule approaches, also demonstrating novel nanoscale molecular device functionalities**" Dr. Diez Perez will receive the Prize and will deliver his JHP lecture at the 2017 AM in Providence.

All members of Division 6 are invited to **advance nominations for 2017** to this prestigious prize (nominations cannot be done by candidates themselves) as soon as possible and

anyway by the deadline of **1 May, 2017** (instructions at <http://www.ise-online.org/awards/Heyrovsky.php>).

b) 2016 Annual Meeting in Den Haag

Our Division was involved in the organization or co-organization of the following 3 Symposia:

Symposium 4 (with D2): Electrochemical Approaches in Diseases and Human Health (Marilia O. F. Goulart)

Symposium 10 (with D4): Electroactive, Functionalized and Nanostructured Materials and Composites: Modern Trends in Synthesis and Applications (Marilia O.F. Goulart, Francesco Paolucci)

Symposium 15 (Divisional symposium): New Molecules - Synthesis, Fundamental Electron Transfer Properties and their Relationship with Molecular Action (Carlos Frontana – Coordinator)

c) Young Members

The Division wish to attract young members and make them more and more involved in the Division activity. Following the positive experience in Taipei, also this year young colleagues have been co-chairing some sessions (together with a "senior" colleague) at the AM in Den Haag.

d) Travel grants for PhD students

Division 6 introduced in occasion of the 2016 AM, travel grants for PhD students, 250 euros to support attendance of Annual Meeting. Evaluation Committee consisted of Division 6 Chairs (Chair, Past Chair and Chair Elect) and received 18 applications from 13 different Countries. Winners for the 2016 edition were: Mark BURGESS (USA), Joel DONKENG DAZIE (Czech Rep), Francesca LORANDI (Italy) and Jessica MÁRQUEZ LEÓN (Mexico) who received their prize directly in Den Haag.

e) Poster prizes

The following 3 posters were selected to be awarded a poster prize at the Den Haag Meeting Symposium 15: s15-037 Elena Villani (Italy)

Symposium 4: s14-026 Saustin Dongmo (Germany)

Symposium 10: s16-030 Hao Huang (China)

Due to the limited number of eligible candidates in S4, only two prizes were supported by the Division.

f) Sponsored meetings

Division 6 sponsored the following two meetings in 2015:

- **Symposium Honoring Prof. Petr Zuman (June 29 – 30, 2016 Lake Placid, New York).**

Symposium Organizers: *Jim Rusling, Jiří Ludvík, Flavio Maran and Devon Shipp*. About thirty colleagues and friends from 7 countries (+ accompanying persons) gathered in the Crowne Plaza Resort in Lake Placid for the Symposium honoring Prof. Petr Zuman in occasion of his 90th birthday.

About thirty colleagues and friends from 7 countries (+ accompanying persons) gathered in the Crowne Plaza Resort in Lake Placid for the Symposium honoring Prof. Petr Zuman in occasion of his 90th birthday. The location was in Petr's beloved place – Lake Placid – in the Resort, where Clarkson University has some of its festival events. Besides three initiators and organizers from Petr's colleagues, a very important role of a host played Prof. Devon Shipp, chair of the Chemical Department at Clarkson. The Symposium comprised 22 lectures.

The Czech Chemical Society awarded The Medal of the Czech Chemical Society to prof. RNDr. Petr Zuman, DrSc. for his outstanding contribution to the development of organic polarography. As announced at the symposium, the Department of Chemistry and Biomolecular Science at Clarkson University has established an endowed "Petr Zuman Award in Chemistry" to honor and celebrate Petr's accomplishments. This award recognizes his significant influence on, and contribution to, his students, colleagues, chemistry, and Clarkson University. Income from the endowment will provide annual support for graduate students in Clarkson's Department of Chemistry & Biomolecular Science to attend conferences, workshops and symposia, in order to encourage and strengthen professional development. The award will be given to students who have demonstrated outstanding research and academic accomplishments in chemistry. Preference will be given to those students working in the fields of electrochemistry, electro-analysis and physical-organic chemistry.

- Supramolecular Assembly: towards Novel Functional Materials and Devices (6-10 September 2016, Lecce, Italy)

The International Conference on "Supramolecular Assembly: towards Novel Functional Materials and Devices" (MOLARMEET 2016) took place from September 6 to 9, 2016 in Lecce, Italy. The conference, promoted by the EU-funded research project MolArNet, aimed at bringing together the international research communities from various scientific disciplines, including physics, chemistry, biology and materials science to discuss the role of research and development in the field of supramolecular assembly for the future of computation and functional nano-molecular devices. The goal of the Conference was to illustrate the current evolution and the next challenges of this fascinating and promising research field from fundamentals (Sections: Molecular Building block, Self Assembly, and Theoretical Modeling and Computation) to applied research (Sections: Single molecules Devices and Experiments, Novel Functional Materials, Molecular Nano-devices). The meeting comprised 37 lectures delivered by scientist from 11 different Countries with, as Special guest - Keynote Plenary Speaker, **Prof. Dr. Mark Ratner** Department of Chemistry - Northwestern University Evanston, USA. Participants were over 60.

- ECL 2016: second meeting on Electrogenerated Chemiluminescence, Bordeaux (France), 28-31 August, 2016. Organizer: Neso Sojic (chair) Francesco Paolucci (co-chair)

After the first edition of the International Meeting on Electrogenerated Chemiluminescence (satellite meeting of the ISE AM in Lausanne) in Bertinoro (ITALY) in September 2014, the second edition took place in Bordeaux (FRANCE) from 29th to 31st of August as a satellite meeting of the 67th annual meeting of the International Society of Electrochemistry. The goal of this conference was to gather the large and exciting variety of current research activities in this field. The meeting addressed fundamental aspects, recent developments, bioanalytical and real applications of ECL covering all modern aspects of ECL (NPs, QDs, molecular probes, theory, simulation, new systems and strategies, nanomaterials, novel applications, devices, hyphenated techniques, etc.). Numbers of participants: 80; presentations: 34; posters: 19; 2 poster prizes, 3 travel awards and 1 IdEx Prize for a young scientist working in the ECL field.

Divisional Budget

