

Budapest: EuCheMS meetings and Energy Conference



Budapest: EuCheMS annual meetings and the European Energy Conference will take place in October. (photo: Bildpixel, pixelio.de)

This year the Hungarian Chemical Society will be hosting the annual EuCheMS meetings. The meetings, namely the Executive Board meeting, EuCheMS Chairs of Divisions and Working Parties meeting and the General Assembly meeting, will take place in Budapest at the Danubius Hotel Flamenco on 24 and 25 October 2013.

This year, the General Assembly meeting will be dedicated to internal EuCheMS matters, in view of having several relevant topics on the agenda (see below). In this respect, the 2013 General Assembly meeting will be a milestone for EuCheMS.

The representatives of EuCheMS member societies are kindly invited to participate in the General Assembly meeting and to register via the on-line registration system, which will be available in September at the EuCheMS web page. In view of elections it is especially important to register appropriately and on time, or to give a proxy, as defined in the constitution and the corresponding Interpretation of voting rules (see www.euchems.eu/fileadmin/user_upload/about/governance/interpretation_voting_rules.pdf). The outline agenda for the EuCheMS 2013 annual meetings in Budapest is as follows:

Thursday, 24 October 2013

Morning: Registration and chairs of Divisions/Working Parties/EYCN meeting, on the invitation of Ulrich Schubert, EuCheMS president

Afternoon: Report of the EuCheMS president, policy development activities and election of the president-elect

Evening: Working dinner (policy talk)

Friday, 25 October 2013

Morning: Election of the Executive Board members, other matters that require approval of the General Assembly, discussion on the constitution and new logo

Those interested in energy related issues might want to extend their stay in Budapest and attend the third **European Energy Conference (E2C)** which is co-organised by EuCheMS. E2C will be opened on Sunday, 27 October 2013 by Robert-Jan Smits (European Commission, DG Research and Innovation), Romana Jordan (Member of the European Parliament) and Pál Kovacs (Hungarian State Secretary).

The topics of the European Energy Conference will cover chemistry, physics and material sciences related to energy technologies. The conference programme will mainly centre on harnessing safely and efficiently the energy of the sun both directly and indirectly, as well as nuclear and thermonuclear power generation. Energy storage in chemical and other forms, hydrogen infrastructure and energy transfer by photosynthesis will also be discussed. The aim of the conference is to lead to effective and fruitful communication between the research, government and industrial communities for a more sustainable and efficient European energy policy. More information about the conference is available at www.e2c2013.mke.org.hu.

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The committee for Istanbul

The EuCheMS Newsletter introduces the scientific committee of the 5th European Chemistry Congress (ECC) 2014 in Istanbul. The last issue started with Helena Grennberg, Peter Edwards and Katharina Landfester, this Newsletter goes on with Manfred Grasserbauer and Evangelia A. Varella.

Manfred Grasserbauer obtained his PhD in 1971. He has served as professor for analytical chemistry at the Vienna University of Technology since 1975. His professional activities



include Director at the Joint Research Centre of the European Commission from 1997 to 2007. Among others distinctions he has been president of the Analytical Chemistry Division Committee of IUPAC, served on the board of distinguished research institutions such as the German National Metrology Institute, Helmholtz Centres and the European Environment Agency (EEA). Grasserbauer is a corresponding member of the Austrian Academy of Sciences and is active in the Academy Commissions on "Climate Change and Air Quality" and "Interdisciplinary Ecological Studies". With respect to the EuCheMS congress he is responsible for "Resources and environment".

Evangelia A. Varella holds degrees in chemistry, pharmacy and theology. She is a PhD in natural sciences and in history and is currently a professor at the Department of



Chemistry, Aristotle University of Thessaloniki. She is a past president and coordinator of the national EChemTest Centre, the executive secretary of the EuroLabel Committee and a coordinator of the Intensive Schools of the European Chemistry Thematic Network Association. She is also a member of the Management Committee and vice president of the European Alliance for Subject-Specific and Professional Accreditation and Quality Assurance. With respect to the EuCheMS congress she is responsible for "Chemistry and society".

New Presidents

Zivoslav Tesic is the new president of the Serbian Chemical Society. He started his professional career at the University of Belgrade. In 1988 he became an assistant professor, and in 2004 he was elected as a full professor in analytical chemistry. He has published more than 90 scientific papers in analytical and food chemistry, all in international SCI journals. Tesic has been a dean of the Faculty of Chemistry and a president of the Faculty of Chemistry council. Currently he is the head of analytical chemistry. He is a member of Serbian Ministry of Science committee for chemistry and president of the Belgrade University council.



Saskia M. van der Vies has been elected president of the Royal Netherlands Chemical Society (KNCV) for the period 2013/2014. She is the professor of biochemistry at the VU University Medical Center in Amsterdam. Her group investigates the role of protein folding in brain disorders such as Alzheimer's and Parkinson's disease with the goal of identifying biomarkers and drug targets. She has been an executive board member of Netherlands Bio-technological Society and Federation of European Biochemical Societies. She was also the chairman of the Netherlands Society for Biochemistry and Molecular Biology.



Patrick Hobbs has been elected president of the Institute of Chemistry of Ireland which is the professional body representing chemists in Ireland. He is the Process Technology & QA Manager of Lonza, Dublin. He holds a MSc in chemistry from Dublin City University and a diploma in chemistry and biochemistry of Dublin Institute of Technology. His interests include solid state and crystallisation/precipitation, powder and particle characterisation, product development and implementation, ISO9001 and operational excellence and the design and commissioning of a Chinese Biocide Plant.



Report on organic electronics

Flexible displays, organic solar cells and electronic skin for prosthetic limbs are just a few examples of how organic electronics can transform the way in which we interact with and make use of electronic technologies. To identify the scientific and technological research challenges that must be addressed to advance this field in a way that best meets societal needs, thirty top scientists from China, Germany, Japan, the United States and the United Kingdom assembled at the fourth annual Chemical Sciences and Society Summit (CS3) in San Francisco in September 2012.

A report summarising the outcomes of the meeting was subsequently launched in New Orleans in April this year. The white paper presents an international view on how the use of organic materials in electronic devices can contribute positively to creating a more innovative, accessible, and sustainable electronic world.

The report outlines the challenges for chemists and other scientists and engineers that must be addressed to maximise the po-

tential of organic electronics. These include a better understanding of how organic electronic materials can be assembled to ensure reproducibility, better analytical tools, improved three-dimensional fabrication processes and the development of organic electronic devices with multiple functions.

The CS3 series is a collaboration between the American Chemical Society, the Chinese Chemical Society, the Royal Society of Chemistry, the German Chemical Society and the Chemical Society of Japan. It gathers together 30 of the best minds in chemical research around the world each year to seek innovative solutions to global societal challenges. The next summit will be held 16 to 19 September 2013 in Narita, Japan, and will focus on the efficient utilisation of elements.

The report "Organic Electronics for a Better Tomorrow: Innovation, Accessibility, Sustainability" and more information can be found at <http://rsc.li/cs3-report-2013>

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New board of European Young Chemists Network



The Mendeleev Russian Chemical Society hosted the 8th European Young Chemists Network (EYCN) Delegates' Assembly in St. Petersburg. Chemical societies from fifteen European countries were represented during the two and a half day meeting in June, including talks from the American Chemical Society, Cefic and EYCN industry partners. The agenda included planning the EYCN timetable for the EuChemS Congress 2014 in Istanbul, developing current EYCN projects and creating new ones, discussing a move from event-based to long-term project-based funding, updating the EYCN rules and the election of the new board. Last year EYCN voted to reorganise its struc-

ture to incorporate four teams to encompass the remit of EYCN (Membership, Networks, External Communications and Scientific Teams). The new board for 2013 to 2015 is as follows: Frédérique Backaert (Chair, Belgium), Aurora Walshe (Secretary, Ireland), Koert Wijnbergen (Membership Team Leader, Netherlands), Anna Stefaniuk (Networks Team Leader, Poland), Lisa Phelan (External Communications Team Leader, Ireland), Vlad Ene (Scientific Team Leader, Romania). The board represents the diversity of EYCN and with the help of the EYCN teams will be able to accomplish great things in the next two years.

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Germany's chemistry conference in Darmstadt

Darmstadtium is not only the name of the chemical element with atomic number 110, it is also the name of the congress center in the city of Darmstadt, where this year's GDCh Science Forum Chemistry takes place from 1 to 4 September. On this occasion several prestigious GDCh awards will be presented.

The Karl-Ziegler-Foundation, which is administered by the GDCh, will award the Karl-Ziegler-Prize to Alois Fürstner, Director at the Max Planck Institute for Coal Research in Mülheim/Ruhr, in recognition of his ground-breaking work in organic homogeneous catalysis. The award, which is conferred every two years to a scientist working in the field of Karl Ziegler, Noble laureate of 1963, consists of a gold medal and of a sum of 50 000 Euro. Together with the Otto-Hahn-Prize, this award has the highest endowment of any GDCh award and is of particular significance.

Other GDCh prizes which will be awarded in Darmstadt include the Adolf-von-Baeyer-Denk Münze for Organic Chemistry to Klaus



Müllen, Director at the Max Planck Institute for Polymer Research in Mainz, the Wilhelm-Klemm-Prize for Inorganic Chemistry to Manfred Scheer from the University of Regensburg, the Fresenius-Prize for Analytical Chemistry to Torsten C. Schmidt from the University Duisburg-Essen, the Wöhler-Prize for Sustainable Chemistry to Bernhard Rieger from the Technical University Munich and the Arfvedson-Schlenk-Prize for Lithium Chemistry to Robert Emmet Mulvey from the University of Strathclyde, Glasgow. The August-Wilhelm-von-Hofmann Lecture will be given at the opening ceremony by Linda Nazar from the University of Waterloo, Canada.

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SCF presented its awards

On 27 May, the Société Chimique de France (SCF) presented its national and bi-national awards 2012 at a solemn meeting held at Ecole Nationale Supérieure de Chimie de Mulhouse, the oldest Chemistry School in France (established 1832).

The Joseph-Achille Le Bel Prize rewarded Samir Z. Sard (Ecole Polytechnique, Palaiseau) for his contribution to the development of new synthetic tools, especially the use of xanthates in radical-based chemistry.

The Pierre Süe Prize was shared by Lahcène Ouahab (University Rennes 1) and Philippe Sautet (Ecole Normale Supérieure, Lyon), recognizing their respective contributions to material sciences (photoluminescent molecular magnets) and modelling (explanation of selective effects in catalysis).

The French-Spanish Miguel Catalán -Paul Sabatier Prize honoured Santiago Alvarez (Universitat de Barcelona) for his contributions to



The Georg Wittig - Victor Grignard Prize rewarded Klaus Müllen (middle).

many aspects of theoretical chemistry and the introduction of new concepts in coordination chemistry.

The French-German Georg Wittig - Victor Grignard Prize rewarded Klaus Müllen (Max-Planck-Institute for Polymer Research, Mainz) for his work on many fields of chemistry, with a special emphasis on the development of new routes to molecular and macromolecular materials.

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SusChem stakeholder meeting

The 11th SusChem stakeholder event was organised by the European Chemical Industry Council Cefic in Brussels on the 14th and 15th of May with focus on "Essential elements for EU Growth and Jobs: Innovative Materials and Processes". The two-day programme included talks regarding the need for a higher level of innovation in Europe and a panel debate where Ulrich Schubert (EuCheMS president) and Frédérique Backaert (European Young Chemists Network) participated. The debate was on "crossing the innovation valley of death" in the EU by means of intensifying collaboration between industry, academia and government. Other panelists were Jose-Lorenzo Valles (Directorate General Research), Jose Cubillo Capuz (Acciona Infraestructuras) and Paul-Joel Derian (Suez Environment), with Tim Reynolds (SusChem) as host.

The starting point of the discussion was that Europe fosters excellent research and production knowledge, with a 30 percent share of the world's patents. Still, a consistent failure exists with respect to translating this into tangible "real world" goods and services.

Schubert expressed his view that the gap between basic research and new products and processes could be more successfully bridged if the interface between academia and industry was optimized. Backaert also described a large gap between academia and industry. Including more soft-skills training in academia would better prepare young chemists for a career in research on an industrial level. In order to make the general public aware of the benefits of chemistry as a source for innovation, EuCheMS has an important role to play in promoting chemistry, thus ensuring support from the community.

The discussion, together with audience input, dealt with a wide range of possible solutions for bridging the "innovation valley of death". The event's message was clear: the SusChem technology platform has already an exemplary role within the European Framework Programme Horizon 2020, a role which will hopefully lead to greater cooperation and growth.

Frédérique Backaert



5th ECC 2014 in Istanbul

The scientific committee of the European Chemistry Congress (ECC) 2014 in Istanbul has developed the topics suggested by EuCheMS divisions and working parties into a framework programme where 22 topics and the workshop of the European Young Chemists Network are placed within six major themes:

A: Resources and environment, B: Chemistry and society, C: Materials, D: Synthesis and catalysis, E: Chemistry for and in life sciences, F: Understanding matter and reactions.

For most topics conveners are already appointed and will be introduced in the next newsletter. There will be good opportunities for contributed lectures, as well as room for a large numbers of posters.

The scientific committee has made an effort to develop not only the topics but also their connections, for example "E1 Imaging in life sciences" will be scheduled for easy combination with "D3 Synthesis of functional compounds for bioimaging" and parts of "F4 Advances in analytical methods". As participant, you will hence be able to find not only your specialty but also the related areas conveniently scheduled to avoid overlaps.

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EuCheMS and EPS: Memorandum of Understanding

Ulrich Schubert, EuCheMS president, and Luisa Cifarelli, president of the European Physical Society (EPS), signed a Memorandum of Understanding between EuCheMS and EPS on 6 April 2013 in Strasbourg. The aim of the Memorandum of Understanding is to strengthen the role of chemical and physical sciences across Europe. It is based on the recognition that EuCheMS and EPS share many objectives such as community building, scientific excellence, support for basic sciences and frontier research. The agreement was signed during the Council meeting of the European Physical Society, which brings together over 70 physicists from all disciplines from around Europe. NM

Events 2013

9 – 11 October 2013, Trento, Italy

3rd Mass Spectrometry Food Days
<http://eventi.fmach.it/MS-Food-Day>

13 – 15 October 2013, Budapest, Hungary

1st EuCheMS Congress on Green and Sustainable Chemistry, www.1eugsc.mke.org.hu

27 – 30 October 2013, Budapest, Hungary

Third European Energy Conference E2C
www.euenergy2013.mke.org.hu

11 – 15 June 2014, Malmö, Sweden

15th International Conference on Electroanalysis
<http://eseac2014.com>

23 – 28 June 2014, Uppsala, Sweden

18th International Symposium on Bioluminescence and Chemiluminescence
www.conference.slu.se/isbc2014

6 – 10 July 2014, Tallinn, Estonia

EUICHEM 2014 Conference on Molten Salts and Ionic liquids

31 August – 4 September 2014 Istanbul, Turkey

5th EuCheMS Chemistry Congress
www.euchems-istanbul2014.org

7 – 11 September 2014, Lisbon, Portugal

EFMC-ISMC 2014, 23rd International Symposium on Medicinal Chemistry

Events 2014

27 – 28 February 2014, Blankenberge, Belgium

12th Chemistry Conference for Young Scientists (ChemCYS 2014), www.chemcys.be

News from the European Chemistry Thematic Network

The European Chemistry Thematic Network Association (ECTNA) elected a new Administrative Council in its General Assembly on 4 April in Utrecht. New members are Francesco De Angelis (president, Università dell'Aquila, Italy), Otilia Mo (vice-president, Autonomous University of Madrid, Spain), Artur Michalak (Jagiellonian University, Krakow, Poland), Christiane Reiners (University of Cologne, Germany), Gabriella Borzone (University of Genoa, Italy), Leo Gros (Europa Hochschule Fresenius, Idstein, Germany) and Marjan Veber (University of Ljubljana, Slovenia).

Further, a new standing committee of ECTNA, the Virtual Education Community Committee, was established to deal with virtual community activities concerning EChemTest and test-

ing centres and similar activities.

The Label Committee of ECTNA has also changed. Reiner Salzer (Technical University of Dresden, Germany) was appointed as new chairman. The further members are Evangelia Varela (Executive Secretary, Aristotle University of Thessaloniki, Greece), Pavel Drasar (past-chair, Institute of Chemical Technology, Prague, Czech Republic), Arne van der Gen (University of Leiden, The Netherlands), Eugenio Caponetti (University of Palermo, Italy), Juan Antonio Rodrigues Renuncio (University Complutense of Madrid, Spain), Patrick Berthet (University Paris-Sud, France), and Ray Wallace (Nottingham Trent University, United Kingdom).

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