

Countdown for Seville starts

A lot has happened in the organisation of the 6th EuCheMS Chemistry Congress which will take place in Seville (Spain) on 11 to 15 September 2016.

Themes and topics

Organisers and the scientific committee announced eight congress themes and 29 topics that cover a comprehensive range of chemistry aspects (see next page).

<http://euchems-seville2016.eu/euchems-themes>

Exhibition

The exhibition floor plan is available on the website. Both sponsors and exhibitors are quickly reserving spaces so organisers recommend early booking.

<http://euchems-seville2016.eu/exhibition-booking-form>

Plenary speakers

Outstanding speakers have already confirmed their attendance. Five Nobel Laureates and Avelino Corma, Spain's most awarded chemist, will serve as plenary speakers.

<http://euchems-seville2016.eu/euchems-plenary-speakers>

Sponsors support the congress

Some major chemical and engineering companies as well as one of Europe's major chemistry societies have already confirmed their support of the EuCheMS Chemistry Congress. The Compañía Española de Petróleos (Cepsa), the Royal Society of Chemistry, Repsol, Dow Chemical and Técnicas Reunidas have all declared their sponsorship. All sponsors are highlighted on the congress website and in communication materials.

Promotion

The congress organisers and the chair of the scientific committee have visited some of the major chemical societies to engage



their commitment and support for the congress. Last June the organisers also attended Achema 2015 in Frankfurt (Germany) to advertise the congress to the 166,000 participants and 3,813 exhibitors of the chemical, pharmaceutical and food industry. In July the congress was also featured at the XXXV Biannual Congress of the Spanish Royal Society of Chemistry in A Coruña (Spain).

Congress newsletter

Up to now two issues of the EuCheMS Congress newsletter have been prepared and distributed among major stakeholders, preregistered attendees and the chemical community in general.

<http://euchems-seville2016.eu/euchems-latest-newsletters>

Press room

Interviews with congress organisers and major chemical societies' leaders are published on an exclusive basis on the congress website's press room. Among others David Cole-Hamilton, EuCheMS president, and Peter G. Edwards, chair of the scientific committee, share their vision about the EuCheMS congresses, chemistry, education and scientific communication as well as other issues like the present and future of chemistry societies in Europe.

http://euchems-seville2016.eu/portfolio_category/press-room

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Young chemists in Boston

Five years ago, the European Young Chemists' Network (EYCN) and the Younger Chemists Committee of the American Chemical Society (YCC-ACS) created the Young Chemists Crossing Borders (YCCB) programme. Every second year, YCC-ACS invites six European students and a delegation from the Jungchemikerforum (JCF) of the Gesellschaft Deutscher Chemiker (GDCh) to ACS conferences. In return, EYCN brings six American students to a EuCheMS event.

Last year, six young Americans visited the EuCheMS Congress in Istanbul. In August this year, the YCCB 2015 awardees Sophie Carencio (France), Grégory Chatel (France), Thomas McGlone (UK), Madeline Kavanagh (UK), Sebastian Sobottka (Germany) and Bart Verbraeken (Belgium) enjoyed the 250th ACS Meeting and Exposition in Boston. YCCB students participated in symposia and presented their work in poster sessions and oral communications. In addition (and thanks to the organisers at YCC-ACS and the North-Eastern Section of ACS) the students visited MIT, Harvard, the Woods Hole Oceanographic Institute and industries such as Genzyme. Moreover, a variety of social events were organised. EuCheMS president David Cole-Hamilton hosted a traditional New England Clambake, sponsored by EuCheMS, RSC and GDCh.

The organisers also invited Fernando Gomollón Bel (EYCN chair) and Frédérique Backaert (EYCN current past chair) to participate in the exchange programme. They presented their most recent activities to their American colleagues, establishing the foundations for YCCB 2016, which will bring six YCC-ACS students to the EuCheMS Chemistry Congress 2016 in Spain.

Fernando Gomollón Bel, chair@eycn.eu



Participants of the YCCB programme in Boston.

Organometallic chemistry: 21st EuCOMC in Bratislava



At the European Conference on Organometallic Chemistry (EuCOMC) in Bratislava.

A series of successful European Conferences on Organometallic Chemistry (EuCOMC) continued with the 21st event in Bratislava, 5 to 9 July. The conference was organised by Slovak and Czech Chemical Societies under the umbrella of EuCheMS. More than 220 participants from 38 countries of five continents gathered in the capital of Slovakia to listen to 56 speakers and to discuss 134 posters in topics ranging from fundamental organometallic chemistry via catalysis and materials to environmental and bio-aspects of organometallic compounds.

Distinguished Plenary Lectures were presented by Alois Fürstner (Germany), Ian Manners (UK), Masakatsu Shibasaki (Japan), Georg Süss-Fink (Switzerland) and Maria Christina White (USA) whereas Young Plenary Lectures were given by Thibault Cantat (France), Oleg Filippov (Russia), Peter Fristrup (Denmark), Giuliano Giambastiani (Italy) and Roman Šebesta (Slovakia) who substituted for Franziska Schoenebeck (Germany) being unable to come.

For the first time in this series the participants witnessed the ceremony of the European Prize for Organometallic Chemistry 2015. The Award Lecture was delivered by Malcolm L. H. Green (UK, see the details in the EuCheMS Newsletter of September 2015).

Two poster prizes sponsored by the RSC journal *Inorganic Chemistry Frontiers* documented the effort of the organisers to encourage and support the youngest generation of European organometallic chemists.

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IUPAC General Assembly in Korea

At the 48th General Assembly of IUPAC in Busan (Korea) from 8 to 14 August the council elected the officers for the next biennium and voted for a new intermediate subscription scheme to overcome the exchange rate variations. In his report, Mark Cesa, IUPAC president, explained the changes in the management and the secretariat during the last 18 months. The executive director had left and Lynn Soby was hired as new ED. Also the secretary general René Deplanque had resigned shortly after the last General Assembly and was followed by Colin Humphris in April 2014.

As new vice president and president elect Qi-Feng Zhou (China) was elected by

the council. Mark Cesa (USA) will be past president when Natalia Tarasova (Russia) becomes president for 2016 and 2017. Colin Humphris (UK) was elected as treasurer and Richard Hartshorn (New Zealand) as secretary general. The six newly elected members of the bureau are Mei Hung Chui (China Taipei), Christopher M. A. Brett (Portugal), Hemda Garelick (UK), Ehud Keinan (Israel), Kew-Ho Lee (Korea) and Pietro Tundo (Italy). The re-elected members are Russell Boyd (Canada), Tavarekere Chandrashekar (India), Christopher Ober (USA) and Kaoru Yamanouchi (Japan).

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EuCheMS Chemistry Congress 2016: Themes and topics

The EuCheMS Chemistry Congress 2016 will take place in Seville (Spain) on 11 to 15 September 2016. The congress themes and topics are as follows:

Theme A: Education and society

Chair: *Evangelia Varella, Greece*

Topic A1: Chemistry education

Topic A2: Chemistry, society and public engagement

Topic A3: Benefits: Wealth creation and society

Theme B: The environment, energy and sustainability

Chair: *Inmaculada Ortiz, Spain*

Topic B1: Sustainable energy and air quality

Topic B2: Environment and natural resources management

Topic B3: Sustainable chemistry

Topic B4: Food chemistry

Theme C: New chemical compounds: Synthesis, methods and industrial processes

Chair: *Sylviane Sabo-Etienne, France*

Topic C1: Synthesis and reactivity in metal based compounds

Topic C2: Synthesis and reactivity in carbon based compounds

Topic C3: Methods and mechanisms

Topic C4: Catalysis in solution

Theme D: Catalysis, industry and applications

Chair: *Bob Tooze, UK*

Topic D1: Chemistry in industry

Topic D2: Industrial processes for the 21st century

Topic D3: Catalysis at interfaces

Theme E: Materials, devices and nanochemistry

Chair: *Luisa De Cola, France*

Topic E1: Materials chemistry

Topic E2: Nanomaterials, devices, technology and applications

Topic E3: Analytical techniques, characterisation and properties

Topic E4: Carbon based nanochemistry

Theme F: Properties of matter

Chair: *Angela Agostiano, Italy*

Topic F1: States of matter

Topic F2: Properties of materials

Topic F3: Polymers

Topic F4: Innovative computational environments for molecular science

Theme G: Physical, analytical and experimental methods in chemistry

Chair: *Günther Gauglitz, Germany*

Topic G1: Analytical and physical methods

Topic G2: Determination of structure and physical properties

Topic G3: Chemical dynamics

Theme H: Chemistry in the life sciences

Chair: *Péter Mátyus, Hungary*

Topic H1: Drug discovery and chemical biology

Topic H2: Bio-macromolecules

Topic H3: Methods and applications

Topic H4: In-silico methods in life sciences

The EuCheMS Executive Board

The EuCheMS Newsletter introduces the EuCheMS Executive Board members. This issue goes on with Wolfram Koch (Germany), Robert Parker (UK) and Igor Tkatchenko (France).



Wolfram Koch



Robert Parker



Igor Tkatchenko

Wolfram Koch has been the executive director of the Gesellschaft Deutscher Chemiker since 2002. Before that he was for seven years professor of theoretical organic chemistry at TU Berlin, prior to which he was a senior scientist at IBM research facilities in Heidelberg (Germany) and San Jose (California).

During his active time in research Wolfram Koch worked on quantum chemical investigations on properties and reactivity of open shell transition metal compounds as well as on spectroscopic properties of small molecules. He has authored and co-authored ca. 190 papers in peer-reviewed journals and is the senior author of a textbook on density functional theory.

Besides being a member of the EuCheMS Executive Board for more than 15 years, Wolfram Koch is also a member of the IUPAC Finance Committee (until the end of this year), the Administrative Council of the German Copyright Collective (VG WORT) and Chairman of the Advisory Board of the German National Library of Science and Technology (TIB Hannover). He is a Fellow of the Royal Society of Chemistry and an IUPAC Fellow and holds an honorary membership of the Czech Chemical Society. Very recently he was appointed an honorary fellow of the Chemical Publishing Society Europe (ChemPubSoc Europe).

Robert Parker is chief executive of the Royal Society of Chemistry, a learned and professional organisation with 51,000 members. It has major outputs in education, events, policy and publishing. Before taking up the position as CEO he ran the very successful publishing wing of the RSC. Robert Parker has a PhD in chemistry and is a Chartered Scientist, Chartered Chemist and Fellow of the Royal Society of Chemistry as well as being a husband, father of three adult children and keen gardener and motorcyclist.

Igor Tkatchenko is a professor of organometallic chemistry and homogeneous catalysis. After postdoctoral research with Günther Wilke at the Max Planck Institute for Coal Research in Mülheim/Ruhr (Germany) and five years research in industry, he worked in France at the Laboratoire de Chimie de Coordination, CNRS, in Toulouse and at the Institut de Recherches sur la Catalyse, CNRS, in Villeurbanne. He then joined the Institute for Molecular Chemistry at the University of Bourgogne, where he served as research director until his retirement. Igor Tkatchenko serves as the general secretary of the Société Chimique de France. He has been appointed to the EuCheMS Executive Board and has represented ChemPubSoc Europe for many years and was a board member of ChemViews magazine.

kjs

EuCheMS at the ACS Fall Meeting in Boston

Nineta Majcen, EuCheMS general secretary, and David Cole-Hamilton, EuCheMS president, attended the ACS Fall Meeting in Boston in August at the invitation of Diane Grob Schmidt, ACS president. Wolfram Koch (GDCh) and Robert Parker (RSC), both EuCheMS Executive Board members, were also present, which allowed various meetings to take place involving EuCheMS and the ACS. One of them involved Nineta Majcen, Robert Parker and David Cole-Hamilton from EuCheMS and Diane Grob Schmidt, Tom Connelly (CEO), Pat Confalone (chair of the Board) and Denise Creech (director, Members & Scientific Advancement) from ACS.

The discussion focussed on how the two organisations might work more closely together. It was agreed that we should investigate possible joint symposia, and that the two organisations would support one another's main meetings (ACS Fall and Spring Meetings, EuCheMS Chemistry Congresses). There was strong support for the Young Chemists Crossing Borders programme and it was agreed that the two societies should collaborate in the next iteration of an employment survey. ACS have been surveying the employment of chemists in the US for many years. The publication of the recent report on chemist employment in Europe (see R. Salzer, P. Taylor, et al., *Chem. Eur. J.*, 2015, 21, 9921), carried out with the support of the European Chemistry Thematic Network (ECTN) and EuCheMS, indicates that there could be important comparative information to obtain through collaboration.

As part of the Young Chemists Crossing Borders programme, six European students had been selected by the European Young Chemists' Network to attend the ACS meeting (see article on page 1). An ACS-GDCh student exchange was also taking place, so a day trip involving a visit to Woods Hole Oceanographic Institution and a clam bake on Cape Cod, supported by EuCheMS, RSC, GDCh and ACS, was arranged. This was an excellent opportunity for further networking.

Nineta Majcen

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The GDCh Science Forum Chemistry in Dresden



David Cole-Hamilton at the opening ceremony of the GDCh Science Forum Chemistry.

On 30 August EuCheMS president David Cole-Hamilton addressed the audience of the opening ceremony of the GDCh Science Forum Chemistry in Dresden, one of the largest chemistry conferences in Europe this year. He introduced EuCheMS as the single voice of chemistry in Europe and mentioned a number of recent EuCheMS activities, such as the Younger Chemists Crossing Border exchange programme with the American Chemical Society and the first European Employment Survey, coordinated by Reiner Salzer from the local TU Dresden.

The GDCh Science Forum Chemistry with the slogan "Connecting chemistry and chemists" gathered more than 1500 chemists. In the UNESCO International Year of Light, GDCh had chosen physics as partner. Physicist and Nobel prize laureate Stefan Hell (Max Planck Institute for Biophysical Chemistry in Göttingen, Germany) as one of the plenary speakers talked about „Far-field optical nanoscopy: principles and recent advancements“. K. Barry Sharpless (The Scripps Research Institute in La Jolla, USA), Nobel prize laureate 2001, was awarded the August-Wilhelm-von-Hofmann lecture. He talked about „Click chemistry – new directions“.

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How to stay in contact with EuCheMS

Twitter: <https://twitter.com/EuCheMS>

Facebook: <http://goo.gl/7skZ8W>

Website: www.euchems.eu

Brussels Update (monthly):
www.euchems.eu/news/euchems-brussels-news-update.html

EuCheMS Newsletter (four times a year):
www.euchems.eu/news/euchems-newsletter.html

Events 2016

31 January – 5 February 2016, Bressanone, Italy
10th European Winter School on Physical Organic Chemistry, www.chimica.unipd.it/wispoc/pubblica

18 – 20 February 2016, Florence, Italy
ENERCHEM-1, Chemistry of Renewable Energies
www.enerchem-1.it

16 – 18 March 2016, Blankenberge, Belgium
13th Chemistry Conference for Young Scientists – ChemCYS 2016, www.chemcys.be

26 – 29 April 2016, Guimarães, Portugal
1st European Young Chemists Meeting
<http://5pychem.eventos.chemistry.pt>

3 – 8 July 2016, Vienna, Austria
16th Conference on Molten Salts and Ionic Liquids

4 – 7 September 2016, Minsk, Belarus

23rd Conference of Isoprenoids

11 – 15 September 2016, Seville, Spain
6th EuCheMS Chemistry Congress
<http://euchems-seville2016.eu>

Events 2017

2 – 5 July 2017, Copenhagen, Denmark
4th EuCheMS Inorganic Chemistry Conference
www.eicc-4.dk

EuCheMS at the Heroes of Chemistry dinner in Boston



From left: Rosemary Parker, Nineta Majcen (EuCheMS), Robert Parker (EuCheMS), Diane Grob Schmidt (ACS), Wolfram Koch and David Cole-Hamilton (both EuCheMS) with his daughter Rosie Cole-Hamilton, Neil Burford and Youla Tzantrizos (both Chemical Society of Canada) and Tom Connelly (ACS).

On the occasion of the ACS Fall Meeting in Boston (see page 3) EuCheMS representatives Nineta Majcen, Wolfram Koch, Robert Parker and David Cole-Hamilton were invited to at-

tend the Heroes of Chemistry dinner where teams from companies were awarded Hero status as a result of pioneering work they had done for the benefit of humanity. *nm, dch*

EuCheMS Newsletter



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