

Themes of the EuCheMS Chemistry Congress 2014

Turkey will host the 5th EuCheMS Chemistry Congress between 31 August and 4 September 2014. Chemists and scientists from related disciplines will meet in the heart of Istanbul at the best season of the city. The scientific programme is now completed:

Theme A: Resources and environment

- A1 Environmental contaminants of emerging concern
- A2 Water quality and food production
- A3 Natural resources and mining
- A4 Advanced oxidation processes for water treatment
- A5 Air quality

Theme B: Chemistry and society

- B1 Chemistry in the cultural context – safeguarding the past with responsibility for the future
- B2 Chemistry in the multinational European environment – education and communication
- B3 EYCN workshops

Theme C: Materials

- C1 Properties, structure and synthesis of materials
- C2 Nanochemistry
- C3 Functional materials
- C4 Energy materials
- C5 Soft solids and polymers

Theme D: Synthesis and catalysis

- D1 New horizons in catalysis
- D2 Advances in inorganic synthesis
- D3 Synthesis of functional compounds for bioimaging and related applications
- D4 Advances in organic synthesis



photo: C. Sürgers/pixelio.de

Theme E: Chemistry for and in life sciences

- E1 Imaging in the life sciences
- E2 Chemical biology and drug discovery
- E3 Advances in the chemistry of biomacromolecules

Theme F: Understanding matter and reactions

- F1 From biomics to metabolomics to functionalomics: progress in analytical methodology
- F2 Bioanalytics for life sciences
- F3 Nanostructured natural and man-made materials
- F4 Advances in analytical methods

In addition to the scientific programme the organisers also have planned a very rich social programme including a Bosphorus boat trip and a social dinner.

We hope that you will include the 5th EuCheMS Chemistry Congress in your 2014 calendar and are looking forward to welcoming you in Istanbul.

Helena Grennberg

Chair of the scientific committee

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The committee for Istanbul

The EuCheMS Newsletter introduces the scientific committee of the 5th EuCheMS Chemistry Congress in Istanbul. This issue goes on with Nick Westwood and Maria-Cristina Todasca.

Nick Westwood is professor of chemistry and chemical biology at the University of St Andrews, UK. He carried out his early studies at Oxford completing his PhD with Chris Schofield in 1988. He took up a Nato post-doctoral fellowship in the lab of Philip D. Magnus at the University of Texas in Austin. He then moved to the Institute of Chemistry and Chemical Biology at Harvard where he worked with Matthew Shair and Tim Mitchison. In 2001, he returned to the UK as a Royal Society University Research Fellow. The main aim of his research is to apply high level methods in organic synthesis to problems in both chemistry and at the chemistry-biology interface. He was promoted to full professor in 2013. With respect to the EuCheMS Congress he is responsible for Theme E (Chemistry for and in the life sciences).



Maria-Cristina Todasca lectures in food chemistry at the Faculty of Applied Chemistry and Material Science of the University Politehnica in Bucharest. She studied food chemistry in Bucharest and finished her PhD in 2006. She has been a member of the Faculty Teachers Board since 2012, participating in decision-making regarding all educational aspects, and part of the Faculty Commission of Quality Assurance. She was president of the Romanian Young Chemists Division of the Romanian Chemical Society (2007 to 2013) and has been active in EuCheMS as communication officer in the first steering committee of the European Young Chemists Network (EYCN, 2007 to 2009), as secretary of EYCN (2011 to 2012) and as chair of EYCN (2012 to 2013). With respect to the EuCheMS Congress she is the convener of the Career Days, organised by EYCN and GDCh Career Services. KS





More mobility: Electronic professional card on its way

The Directive 2005/36/EC on the recognition of professional qualifications is intended to support professionals to work in another Member State. However, the level of professional mobility has remained low due to a lack of simple and clear rules governing the recognition of professional qualifications.

Therefore, in 2011 the European Commission proposed a revision of the existing procedure with two main changes: First, an electronic European professional card will replace the existing time-consuming declaration procedures concerning the professional's qualifications. The second main change refers to new possibilities for automatic recognition through common training frameworks and tests based on more transparency on continuous professional development. In June 2013 the European Parliament and the Council reached an agreement on a provisional text to be formally approved by the Council Committee of Permanent Representatives and Parliament Internal Market Committee before the plenary vote in October.

EuCheMS was actively involved in the consolidated version of Directive 2005/36/EC and in September 2011 submitted its contribution on the modernisation of the Professional Qualification Directive to the EU. In 2012 a delegation met the corresponding responsible party of the Internal Market Directorate for the presentation of the decision of the Consiglio Nazionale dei Chimici (CNC) of Italy to adopt a preliminary professional card for the chemical profession. This card was transformed into an electronic international version and connected to the Internal Market Information System (IMI) of the Commission.

During 2013 the CNC produced a first version of the electronic professional card. In July the Executive Board of EuCheMS suggested to set up an ad hoc committee for approaching other interested countries. The committee introduced the final version of the electronic card at the EuCheMS General Assembly in Budapest in October 2013.

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Transatlantic Frontiers of Chemistry Symposium 2013 in Germany

The 3rd Transatlantic Frontiers of Chemistry (TFOC) Symposium was organised in common by the American Chemical Society (ACS), the Gesellschaft Deutscher Chemiker (GDCh) and the Royal Society of Chemistry (RSC). GDCh hosted the symposium in the Bavarian countryside at Kloster Seeon, Germany, on 8 to 11 August.

More than 60 invited young scientists from US, UK, Germany and – for the first time – from a guest country (Brazil) discussed their latest research and possible future trans-disciplinary and trans-national co-operation. The attendance of ACS President Marinda Wu, RSC CEO Robert Parker, and GDCh Vice President Eckhard Ottow showed the extraordinary importance of the symposium for the common international activities of the organising chemical societies. “In the future without any doubt chemistry with all its different disciplines will strongly contribute to global solutions for the global challenges,” encouraged Ottow the young scientists to overcome borders between the disciplines. Parker pointed out that there is a need for new tools in chemistry, which is getting more and more multidisciplinary. “A diverse group of young scientists with research interests that span so many disciplines play critical roles in addressing the many



TFOC organisers and guests. (photo: Anna Wirt)

problems that confront our world today,” added Wu.

Furthermore, representatives from German funding organisations, from chemical industry and publishers as well as students from the RISE and Fulbright programmes contributed to the symposium. All invited young scientists gave a lecture and presented a poster. The symposium consisted of nine thematic sessions, a poster session, breakout sessions on basic research, industry co-operation, organisation of one's own research group and an excursion to the Alps. A really pleasing feature of the symposium was the trans-disciplinary interaction between all participants. A scientific conference report will be published in *Chemistry – A European Journal* soon.

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EuCheMS with new premises in Brussels' European quarter

We are pleased to report that the headquarters of the EuCheMS Brussels office have recently been moved to a venue where EuCheMS can benefit from the strategic position just around the corner from the European Parliament and many European Commission buildings as well as the Council of the EU. This will certainly be an asset not only in liaising with various institutions in Brussels but also to serve as a convenient meeting point for all representatives of EuCheMS member associations.

The new premises include a variety of meeting rooms at our disposal, of which the big-

gest can host meetings, seminars or workshops for up to 100 participants. All meeting rooms are supported by newest technologies, allowing for an efficient as well as enjoyable working environment. To date, two events have been held at the new EuCheMS location: a meeting on artificial photosynthesis and a workshop on green chemistry.

Our member societies as well as any interested party can from now onwards contact us here: Rue du Trône 62, B-1050 Brussels, Belgium, Telephone: +32 (0) 2289 26 90.

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European employment survey starts

Which country pays its chemists and chemical engineers highest salaries? Where do I soonest find a new job? Which chemical sub-discipline offers most jobs? Reliable answers for these and other questions will be derived from the first European employment survey for chemists and chemical engineers, which has started this September on www.chemsurvey.eu.

The questionnaire is available in 24 European languages. All responses to the questionnaire are saved anonymously, even though a valid e-mail address is required on the first page. The validity of this e-mail address is checked upon start in order to prevent misuse. Only if you want to receive the results of the survey (in particular about salaries) directly, your e-mail address is saved independently of your responses.

The questionnaire has six general pages (Personal – Education – Employment – Job – Training – Salary) which provide fields for

free-text responses. Industry employees find special questions on an additional page. We hope for active participation of chemists from industry, since industry is less represented in some national societies. Participating societies nominated National Delegates. They may be contacted in case of queries via a link on the entry page.

Members of participating EuCheMS societies will soon receive an e-mail with the invitation to participate. All other European chemist and chemical engineers are invited to participate as well.

The survey is requested by the Joint Research Centre of the European Commission, supported by EuCheMS, the European Chemical Industry Council (CEFIC) and the European Chemistry and Chemical Engineering Education Network (EC2E2N) and executed by the European Chemistry Thematic Network Association (ECTNA).

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2014 IUPAC-ThalesNano Prize in Flow Chemistry

The IUPAC-ThalesNano Prize in Flow Chemistry prize is to be awarded to an internationally recognized scientist, whose activities have made an outstanding contribution in the field of flow chemistry in academia or industry. The prize is US-Dollar 7500. The award shall be presented at the 13th International Conference on MicroReaction Technology in June 2014 in Budapest. A contribution to travel expenses will be provided.

The IUPAC-ThalesNano Prize will be awarded for the second time. It has been established by a generous gift from the Hungarian Technology company ThalesNano to acknowledge the



Micro reaction technology is safe and fast.

(photo: Fraunhofer ICT)

key role that flow chemistry plays towards the improvement of chemical processes.

Applicants should be received by nomination only, with just one person needing to serve in that capacity, although a total of five individuals should be listed as referees overall. The package must be submitted electronically and should contain a complete résumé, a professional autobiography of not more than two pages and a one-page summary of what the individual considers to be his or her activities, accomplishments or publications that have had the most significant impact upon the field of flow chemistry. The material will be forwarded confidentially to an independent selection committee appointed by the IUPAC Committee on Chemistry and Industry.

Nomination materials should be submitted by 31 January 2014 to the chair of the IUPAC Committee on Chemistry and Industry, Michael Dröscher, by e-mail at m.droescher@t-online.de. For more information please contact Michael Dröscher (Telephone: +49 2369 1383, Fax: +49 2369 248348).

Michael Dröscher, m.droescher@t-online.de

DAC Tribute to Bo Karlberg and Adam Hulanicki

It was the privilege of the delegates and guests at the annual meeting of the EuCheMS Division of Analytical Chemistry (DAC) in Warsaw on 25 August to witness the DAC Tribute to Bo Karlberg and Adam Hulanicki.

Bo Karlberg from Stockholm University has recently completed two terms (2005 to 2010) as chair of DAC. He was on the steering committee for the conferences Euroanalysis 14 in Belgium and Euroanalysis 15 in Austria. He established the “Who’s Who in Analytical Chemistry” on the DAC website (www.anchem.su.se/euchems/countries.asp) and subsequently a task force on “European Analytical Chemistry on the Web”. He has also been active as the DAC liaison person for joint activities with the EuCheMS Division of Food Chemistry and co-authored several of the “European Analytical Column” articles in analytical chemistry journals (www.dac-euchems.org/publications/eac/index.html).



Adam Hulanicki’s involvement with the Working Party on Analytical Chemistry of the Federation of European Chemical Society started soon after its creation in Heidelberg in 1972. Wiktor Kemula, president of the Polish Chemical Society and chair of the Committee on Analytical Chemistry of the Polish Academy of Sciences at the time, proposed him as the Polish Analytical Chemistry representative. His active participation as a Polish delegate started in 1975 in Vienna and he was involved in early discussions on working procedures and practices. He was a member of the Working Party until 1997 and subsequently a member of DAC until 2006, including several years as a member of the steering committee. He took active part in all Euroanalysis conferences from the Budapest conference in 1975 to the Dortmund conference in 2002. In 1978 he was chair of Euroanalysis 5 which took place in Cracow, Poland.



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Euroanalysis 2013 in Warsaw

In August Euroanalysis 2013 was hosted by the Polish Chemical Society at Warsaw University of Technology. There was an excellent team of local organisers, with Maciej Jarosz as chair and Ewa Bulska as co-chair.

The conference had 722 registered participants from 64 countries. The organisers were able to offer a number of student attendance bursaries, courtesy of funding from the 2011 Euroanalysis XVI conference in Belgrade, Serbia. The conference was also the occasion at which the Robert Kellner Lecture was delivered by Jürgen Popp from Jena, Germany. Next Euroanalysis will be held in Bordeaux, France, in September 2015, hosted by the Société Chimique de France and the EuCheMS Division of Analytical Chemistry (DAC).

Maciej Jarosz, chair of Euroanalysis 2013

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Maciej Jarosz (left), Paul Worsfold and Ewa Bulska.

ICCE 2013 in Barcelona

The 14th EuCheMS International Conference on Chemistry and the Environment (ICCE 2013) was held in Barcelona from 25 to 28 June. The scientific programme was completed by four satellite events organised at the Institute of Catalan Studies, two of them co-organised by the American Chemical Society. 500 attendants from 50 countries, only around 25 percent of the participants were Spanish, discussed environmental chemistry topics which were organised in eight symposia. In Barcelona Joan Albaigés received the career's award of the EuCheMS Division of Chemistry and the Environment for its long and fruitful scientific work on environmental chemistry.

Events 2014

27 – 28 February 2014, Blankenberge, Belgium

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

29 – 31 May 2014, Hamburg, Germany

113th Annual German Conference on Physical Chemistry – Physical Chemistry on the Nanometer Scale, www.bunsen.de/bunsentagung2014.html

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

29 June – 4 July 2014, Prague, Czech Republic

EUCHEM Conference on Organic Free Radicals www.uochb.cz/web/structure/1259.html

6 – 10 July 2014, Tallinn, Estonia

EUCHEM 2014 Conference on Molten Salts and Ionic Liquids, <http://euchem2014.ttu.ee>

31 August – 4 September 2014, Istanbul, Turkey

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

7 – 10 September 2014, Prague, Czech Republic

22nd Conference on Isoprenoids www.vscht.cz/lam/isoprenoids/Isoprenoids.htm

7 – 11 September 2014, Lisbon, Portugal

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

Events 2015

5 – 9 July 2015, Bratislava, Slovakia

21st European Conference on Organometallic Chemistry, www.eucomcxi.eu

22 – 25 September 2015, Leipzig, Germany

15th EuCheMS International Conference on Chemistry and the Environment

Slovakia: From bioinorganic to solid state chemistry

The 24th International Conference on Coordination & Bioinorganic Chemistry (ICCBIC) took place in Smolenice in June 2013 with about 170 participants. Young scientists presented their results in a special session. The focus was devoted to four areas: Electron, molecular and crystal structure (organized by Norimichi Kojima, Japan), Reactivity in solution and in solid state (by Andrzej Ozarowski, USA), Applied inorganic and coordination chemistry (by Lee Brammer, UK), Complexes in medicine and environment (by Edward Solomon, USA). 25th ICCBIC will be held in June 2015 in Smolenice.

The 11th Conference on Solid State Chemistry (SSC 2014) will take place on 6 to 11 July 2014 in Trenčianske Teplice, one of the oldest spas of Slovakia. The scientific programme will consist of plenary lectures, keynote lectures (including an IUPAC presentation), other lectures and posters. IUPAC awards will be awarded for best posters of young participants. A special issue of *Pure & Applied Chemistry* devoted to papers based on lectures of SSC 2014 will be published after the conference.

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EuCheMS Newsletter



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