

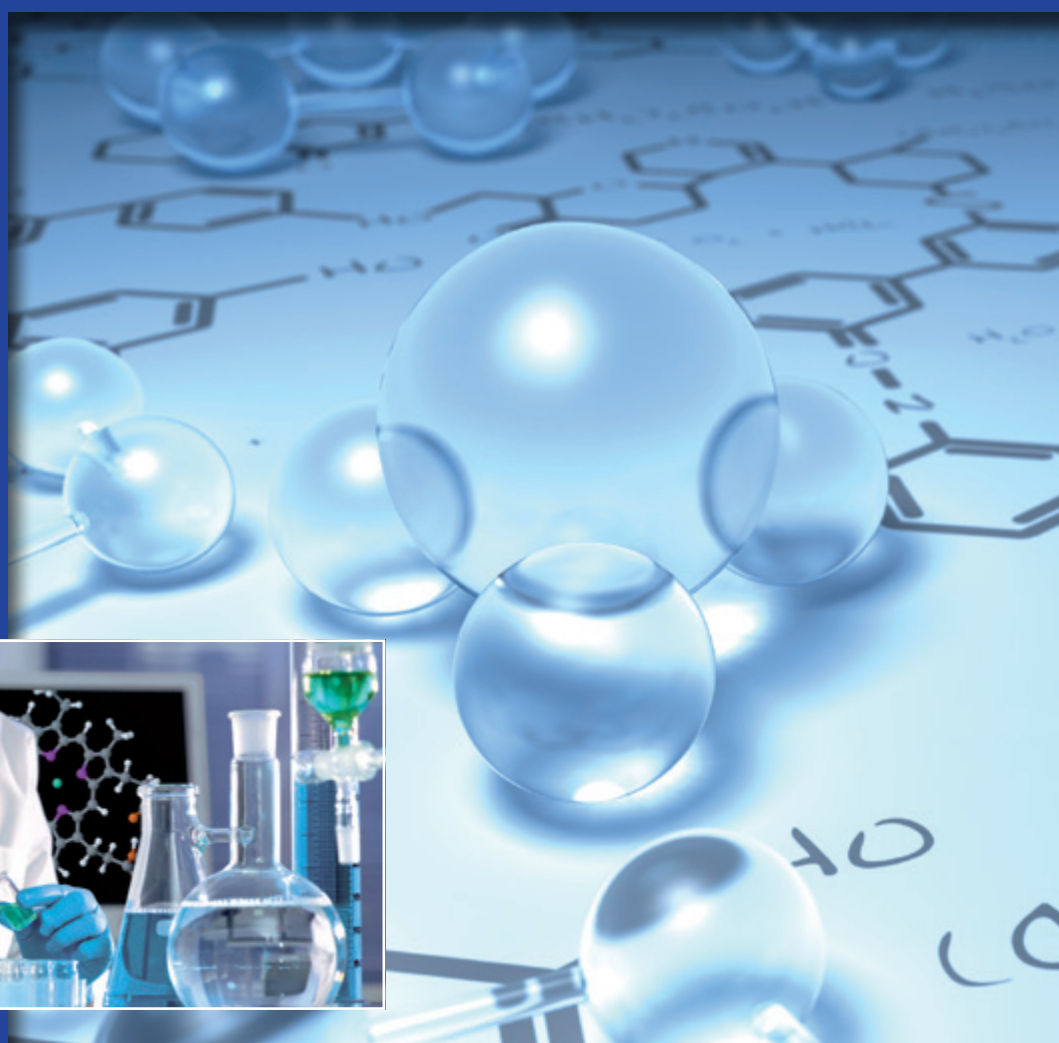
EuCheMS

European Chemical Sciences



European Association for Chemical
and Molecular Sciences

Year Book 2014





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Editorial



EuCheMS issued the first edition of a “yearbook” last year with the intention of disseminating the activities of the Association, complementing the regular updates provided through Facebook and Twitter, the “EuCheMS Newsletter” and “Brussels News

Updates” as well as the EuCheMS website. Moreover, the yearbook was to become an up-to-date reference book for key data on our member organisations, Divisions and Working Parties and governance. As part of our networking activities the yearbook allows, among other things, individuals as well as national or European institutions to make contact with the leading chemistry organisations in Europe and to get information on our activities. Owing to the great success of the Annual Report 2013, the Executive Board of EuCheMS decided to issue the second edition, reporting on activities in the year 2014 and providing updated reference data.

The work of EuCheMS rests on three pillars: networking, European chemistry congresses and policy development. The many networking and policy development activities in 2014 will be outlined hereafter in the Yearbook.

Let me just highlight three events. The 5th EuCheMS Chemistry Congress took place in Istanbul from August 31 to September 4, 2014. Thanks to the great efforts of the Turkish organisers and the Scientific Committee, headed by Prof. Helena Grennberg, this was a big scientific event with well-balanced and high-level contributions from all areas of chemistry. The European “chemistry family” enjoyed the hospitality of our Turkish colleagues and took the opportunity to build bridges to the Asian chemical community.

Second, the Belgian authorities approved the new constitution of EuCheMS, passed by the General Assembly in 2013. This was another important step towards evolving EuCheMS to a professional organisation representing the “single voice of chemistry” in Europe. It also opens the door for new types of members complementing the work of the national chemical societies represented in EuCheMS.

After the EuCheMS General Assembly in Poland in October (many thanks to the Polish colleagues for their excellent organisation), Prof. David Cole-Hamilton became EuCheMS president. Let me take the opportunity to thank everyone who supported EuCheMS and me in the three years of my presidency. Serving the European chemical community was a great honour for me, and a great personal experience. I trust that David will also experience your unfettered support, and I wish him great success. The contribution of EuCheMS to building a better Europe may be small, but I believe that we are able to show that working together across national borders is the only way to go.

Finally, this yearbook is also the opportunity to thank all persons participating in EuCheMS activities for their excellent and constructive work, especially the members of the Executive Board, the chairpersons and officers of the Divisions, Working Parties and EYCN, and, last but not least, the EuCheMS secretariat.

A handwritten signature in black ink, which appears to read 'U. Schubert'. The signature is fluid and cursive.

Professor Ulrich Schubert
EuCheMS President

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Introduction

I start my period as President of EuCheMS with great excitement. I very much look forward to the challenges that lie ahead and to building EuCheMS to be the place where all European institutions come for an independent and unbiased view on all chemical matters. Chemistry is everywhere so it pervades almost all legislation being developed in Europe. I plan to place chemistry at the heart of all European policy and planning. Please sign up¹ to join me in this hugely important endeavour and then to contribute with your precious energy and time when needed.

It is a great pleasure for me to follow in the footsteps of Ulrich Schubert and all the presidents before him, and to try to expand on what they have done. They have built EuCheMS from its founding days where the secretariat was ably held on a part-time basis by Evelyn McEwan within the RSC offices in London through the move to Brussels and the appointment of Nineta Majcen as EuCheMS' Secretary General and the engagement of a public affairs officer.

Ulrich Schubert, who has just finished his term of office as President, has been outstanding. In addition to what is described above, he will especially be remembered for the large amount of work he put into developing the new EuCheMS Constitution. Fittingly, at the General Assembly meeting in Toruń, Poland in October, he was presented with a copy of the Constitution, which had been signed into Belgian Law only days before. He also guided all the thinking behind the very successful 5th EuCheMS Chemistry Congress held in Istanbul in September. We owe Ulrich a huge debt of gratitude.

At the General Assembly meeting, we devoted some time to strategic planning. In this session, which was assisted by a professional facilitator, small groups discussed a number of topics and it became clear that certain areas need to be developed and explored further. As a result of this meeting and subsequent discussions, it has been decided to set up four task groups.

The task group on interactions with the Member Organisations and individual members, which will be chaired by Executive Board member Saskia van der Vies, will determine what the members would like from EuCheMS and will look at how we can best contact individual members, what EuCheMS can do for them and what they can do for EuCheMS. It will also develop a diversity policy for embedding within all parts of EuCheMS. As a start in developing contacts, I have written an open letter², which all Member Societies will be asked to circulate to their members.

The task group on interactions with Divisions, which was chaired by Executive Board member and Chair of the Division for Physical Chemistry, Eckart Rühl, will look at all aspects of the involvement of Divisions within EuCheMS. As a start, there will be a meeting for Division and Working Party Chairs in Brussels on 22nd January, 2015.

A key aspect of our work is defining exactly what EuCheMS should do and what vision it should have. I shall chair this task force and we shall try to come up with ambitious goals whilst always remembering that we have to remain a trusted and independent voice for chemistry within Europe. We shall also look at how the secretariat in Brussels can be expanded as new roles start to be developed.

All of this will cost money, so the final task group, which will be chaired by EuCheMS Treasurer Franco De Angelis, will investigate diverse ways in which EuCheMS can increase its income.

These Working Parties were constituted fully in Sevilla in February and we hope to have progress reports at the Executive Board meeting in Rome in June and final reports at the Executive Board and General Assembly meetings in Vienna in September, 2015.

During the course of 2015 many of the Divisions and Working Parties will hold their biennial conferences³ and/or be

1 <https://www.surveymonkey.com/s/euchemsform>

2 http://www.euchems.eu/fileadmin/user_upload/highlights/Davids_letter.pdf

3 www.euchems.eu/events.html

involved in international conferences, such as the Energy Science and Technology⁴ meeting in Karlsruhe. One important development is that EuCheMS will host several open lectures at different times in Milan as part of EXPO 2015.

There will be a workshop in the European Parliament in March on sustainable chemistry. Amongst others, the winners of the European Sustainable Chemistry Award⁵, Walter Leitner and Jürgen Klankermayer will talk about their work on CO₂ as a feedstock for chemical manufacture.

Plans are also developing for the 6th EuCheMS Chemistry Congress⁶, to be held in Sevilla, Spain, 11th - 15th September 2016. You should be holding the dates in your diary.

I would like to thank everyone who has contributed to this year book, especially the Chairs of Divisions and Working Parties, but above all, I would like to thank Nineta Majcen and Bruno Vilela for the very hard work they have put into ensuring that this report provides a comprehensive overview of what EuCheMS does and how it serves our Member Societies and their members.

Finally, I would like to thank all the members of the Executive Board and of the General Assembly, but especially Ulrich Schubert, outgoing President, Franco de Angelis, Treasurer, and Nineta Majcen, General Secretary, for the very warm welcome they have given me as incoming President. I also thank the Royal Society of Chemistry for nominating me for the post of President of EuCheMS and for the strong support that they are giving to me personally.

I hope you will all have a very excellent year.

David Cole-Hamilton
17th December, 2014

4 www.est-conference.com

5 www.euchems.eu/awards/european-sustainable-chemistry-award.html

6 www.euchems-seville2016.eu/

EuCheMS Executive Board

The Executive Board is responsible for managing the scientific, educational and professional activities of EuCheMS.

The composition of the Executive Board includes the President, the President Elect/Past President, the Treasurer, members elected by the General Assembly and other members appointed by the Executive Board to provide special expertise.

President

(Past-President from 24 October onwards)

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Elected member

End of term: March 2014

Professor Viktor Milata
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(President from October onwards)

Professor David Cole-Hamilton
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Elected member

End of term: March 2014

Professor Jay Siegel
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Treasurer

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Elected member

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Elected member

End of term: March 2014

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Elected member

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Elected member

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EuCheMS General Assembly

The General Assembly, the governing body of EuCheMS, meets annually and defines the general policy of EuCheMS. It is composed of a representative from each of the member societies.

2014 EuCheMS General Assembly, Toruń, Poland

“European Research in Chemistry” and “EuCheMS strategy” were the key topics discussed by the representatives of EuCheMS member societies, EuCheMS Divisions and Working

Parties and invited guests at the 2014 EuCheMS General Assembly, which was chaired by its President, Ulrich Schubert. It took place in Toruń, Poland, 23 – 24 October 2014.



“European Research in Chemistry” was a high level event, linking research in chemistry with policy related issues at the European and national level. It benefited from the participation of a Member of the European Parliament, European Officials and several experts in the field of research who provided a fascinating overview of the various aspects of funding European Research in Chemistry and related issues.

On the initiative of David Cole-Hamilton, who took over the Presidency of EuCheMS at the end of the General Assembly, there was a session on EuCheMS strategy. During this session, representatives of member societies and EuCheMS Divisions and Working Parties, discussed several relevant topics for the future growth and strengthening of EuCheMS.

The presentations given at the General Assembly meeting are available at <http://bit.ly/1yHEzG0>.

The 2015 EuCheMS General Assembly and associated meetings will take place in Vienna, 25 – 29 September, 2015.

Policy related activities

Open Consultations

EuCheMS is playing an active role in the European policy-making process by responding to the Open consultations published by the European Commission that concern its domain of interest. In 2014 EuCheMS has responded to the following consultations:

- Managing the transition to open access (jointly with EPS)
- Public consultation on the review of progress towards the 2020 energy efficiency objective and a 2030 energy efficiency policy framework
- Public consultation on European area of skills and qualifications (jointly with ECTN)
- Consultative Communication on the Sustainable Use of Phosphorus
- Public consultation on quality of drinking water in the EU
- Public consultation on ratification by the EU of the Minamata convention on mercury

Activities with the European Parliament, European Commission and the European Research Council



The elections which took place in 2014 affected the dynamic of work of the European institutions throughout this year. The new assembly of the European Parliament started its mandate on 1 July 2014, while the new Commission started on 1 November 2014.

In the European Parliament, EuCheMS organised a workshop on Energy storage, jointly with the Science and Technology Options Assessment (STOA) of the European Parliament. The workshop took place in Brussels, 11 February 2014. It was chaired by António Correia de Campos, Member of the European Parliament. Opening and closing remarks were given by Ulrich Schubert and David Cole-Hamilton.

On the invitation of Vladimir Sucha, Director General of EC Joint Research Centre, Ulrich Schubert, Francesco De Angelis and Nineta H. Majcen discussed with him and Elke Anklam, Director JRC-IRMM possible areas of collaboration and synergies. As a follow up to this meeting, EuCheMS representatives were invited to JRC institutes in Ispra. Furthermore, a workshop on the European survey on the employability of chemists, commissioned by the JRC and executed by the ECTN, in collaboration with EuCheMS, was another joint event that took place in Brussels on 12 December 2014.

At the 5th EuCheMS Chemistry Congress in Istanbul, a science-policy session was organised for the first time. The European Research Council's activities were presented by Jean-Pierre Bourguignon, ERC President, while the EC JRC described its Training and education on quality assurance for analytical measurements and measurement standards for environment activities.

European Union Contest for Young Scientist (EUCYS)

This year it was the fourth time that EuCheMS awarded the special prize for chemistry at the EUCYS to encourage young creative curious minds at the beginning of their career. The 2014 EuCheMS special prize for chemistry was awarded to Tomas Andrew Morgan for his work on the effect of UV light on vitamin D2 concentration in oyster mushrooms.



The 2014 EUCYS took place in Warsaw, Poland. The contest is an initiative of the European Commission that was set

up in 1989 with the goal of promoting cooperation and interchange between young scientists and guiding them towards a future career in science and technology. The event is an annual exhibition of the finest work developed by young scientists in many different scientific fields; it enables the best young minds of different countries to compare ideas and admire each other's work, as well as to compete with one another at European level.

Other initiatives of EuCheMS and members

EuCheMS has been proactively taking part in several initiatives such as the European employment survey, initiated by the European Commission and executed by the European Chemistry Thematic Network (ECTN).



For the first time, EuCheMS co-organised a conference on the occasion of the (Italian) Presidency of the Council of the EU.

The conference entitled "Chemistry for the future of Europe: Energy, Environment, Food", was hosted by the Società Chimica Italiana and Consiglio Nazionale dei Chimici. It took place in Rome on 25-26 November 2014 and was followed by a press conference in the Italian Senate.

Given the ongoing curricular changes that are hindering the future of chemistry in Greece, EuCheMS unanimously adopted, in its General Assembly, a resolution expressing its support to the actions of the Association of Greek Chemists against the degradation of the science of chemistry in Greece. For EuCheMS, chemistry is one of the basic pillars of applied sciences and any devaluation on chemical education will have a significant impact for the new generations' knowledge and skills.

A meeting on the artificial photosynthesis initiative took place on the 15 December. During this meeting it was decided that a scientific brainstorming workshop would take place in

the first half of 2015 and that its outcomes should be presented in a document that be widely disseminated.

Brussels News Updates

EuCheMS activities include monitoring of relevant topics in order to produce a monthly newsletter known as the Brussels News Updates. Brussels News Updates is delivered in electronic form to all Members, Divisions and Working Parties, selected members of the European Commission and European Parliament, other stakeholders and interested citizens. Readers of the Brussels News Updates can learn about the most recent development in European legislation on selected issues, mostly in the area of chemistry, forthcoming events and news on European roadmaps and consultations.

EuCheMS Regulatory Committee

EuCheMS Executive Board, at its meeting on the 20 June 2014 in Frankfurt, approved the creation of a Regulatory Policy Committee. This committee aims to facilitate the coordination and development of EuCheMS common policy positions that represent views of EuCheMS member societies. In addition, it provides EuCheMS with an enhanced capacity and agility to respond quickly to consultations and calls for advice, often with very short time frames, in a rapidly changing legislative environment.

Typically, the committee will be in charge of activities such as monitoring and responding to public consultations, developing proactive positions, and sharing information among experts from Member Societies.

The committee is currently composed of the following members: Steven Lipworth, Nineta Majcen, Tomaso Munari, Hans-Georg Weinig, and Bruno Vilela.

EuCheMS Awards

European Sustainable Chemistry Award

In 2010, EuCheMS launched the European Sustainable Chemistry Award (ESCA). This was encouraged by the European Environment Agency (EEA), CEFIC and the European Technology Platform for Sustainable Chemistry (SusChem).

The European Sustainable Chemistry Award is intended to raise the profile of sustainable chemistry and be a spur to innovation and competitiveness.

2014 ESCA Award

The winners of the 2014 ESCA were **Prof. Walter Leitner** and **Prof. Jürgen Klankermayer** from the Institute of Technical and Macromolecular Chemistry at the RWTH Aachen University, Germany.

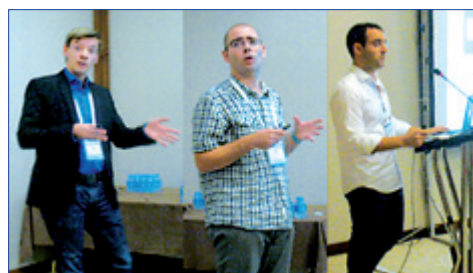


European Young Chemist Awards

The Italian Chemical Society (SCI) and the Italian Consiglio Nazionale dei Chimici (CNC) again sponsored the initiative which, as previously, took place under the patronage of EuCheMS, the EuCheMS Chemistry Congress, and the European Young Chemistry Network (EYCN). EYCN is intended to showcase and recognise the excellent research being carried out by young scientists working in the chemical sciences.

At the 35 years old level, the Gold Medal went to Frederik Wurm, Max Plank Institute for Polymer Research, Mainz, Germany, and the Silver Medal (ex equo) went to Gonçalo

Bernardes, University of Cambridge, UK, and to Tom Hasell, University of Liverpool, UK.



At the PhD level, the Gold Medal went to Zoel Codol, University of Girona, Spain, and the Silver Medal (ex equo) went to Jonathan O. Bauer, Technical University of Dortmund, Germany, and to Anna Maria Rydzik, University of Oxford, UK.



EuCheMS Award for Service

The EuCheMS Award for Service acknowledges outstanding commitment with regard to fostering chemistry and molecular sciences in Europe and the goals of EuCheMS. In addition to recognized service to EuCheMS, this may include activities in governmental, non-governmental or funding organisations, publicity-related activities, etc. Nominations must demonstrate achievements for improved competitiveness, visibility, coherence or structure of chemistry in Europe.

2014 Award for Service



The winner of the 2014 EuCheMS Award for Service is **Prof. Luis Oro**, who served EuCheMS for six years as President Elect, President and Past President. Prof. Oro's presidency was based on the idea of creating a European identity among chemical societies.

EuCheMS Lecture Award

The EuCheMS Lecture serves to strengthen the image of EuCheMS and of European chemistry in general, promoting scientific cooperation among chemists in Europe. The lecture is normally awarded annually to a prominent chemist from a European country.

2014 Lecture Award

The winners of the EuCheMS Lecture Award 2014 were **Prof. Christina Moberg** from Royal Institute of Technology of Stockholm, Sweden, and **Prof. Gérard Férey** from the University of Versailles, France.

Prof. Christina Moberg's lecture will take place at the 19th European Symposium on Organic Chemistry, 12 – 16 July 2015 in Lisbon Portugal. As for Prof. Gérard Férey's lecture, it will be given at the 6th EuCheMS Chemistry Congress, 11 – 15 September 2016 in Seville, Spain.



EuCheMS Chemistry Congresses

The European EuCheMS Chemistry Congresses (ECC) are the most prominent events for the European chemistry community. They constitute a joint endeavour of EuCheMS member societies and the EuCheMS Divisions and Working Parties.

EuCheMS then president elect David Cole-Hamilton reported in the November 2014 EuCheMS Newsletter under the heading “Wow” congress at the WOW Convention Center in Istanbul: “The Turkish Chemical Society led by Mehmet Mahramanlioglu and supported by the conference organisers headed by Cem Tunçel showed splendid hospitality to the 1200 delegates from 35 countries in five continents.

It started with the remarkable revelation that structures of proteins in their natural state can now be measured at the atomic level by electron microscopy. We heard about exquisite control of nanostructure, how CO₂ can be used as a sustainable feedstock to make a range of important chemicals, how spinal cord injuries can potentially be repaired using carbon nanotubes and about the enormous importance of water to every aspect of life, especially food production. We learnt about highly efficient new synthetic methods for a wide variety of important and complicated molecules, the photoinitiation of a number of polymers and how to make designer enzymes by directed evolution. The conference finished with a talk on light emission from molecular assemblies, which included a material where the colour of light emitted changes from yellow to blue on simple grinding – and this was just in the outstanding plenary lectures...”

For any congress, the actual meeting is the end of a long process of preparations. For the 5th EuCheMS chemistry congress, the Turkish Chemical society won the bid already in 2010 and efficiently got the local organisation of practical matters started, including reservations of congress centre, web page, etc. At a very late stage (early 2014), matters outside the control of the host made a shift of location necessary. Being less centrally located, shuttling from downtown hotels became necessary, a logistic challenge excellently solved. Also, the new site is modern and allowed for an efficient schedule as appropriately sized meeting rooms were nicely grouped around a main (exhibition) area.

Following the EuCheMS work practice for the ECC series, the scientific chair should be from a EuCheMS country other than that of the host society. I was approached by the TCS early 2012 and appointed by the EuCheMS executive board later that spring. With a background as chair of a Division and experience from being session convener/SC member at ECC3 and in the advisory group for ECC4, I wanted to build on the strengths of the EuCheMS organisation. I was particularly pleased that the headings under which the Divisions and Working Parties of EuCheMS, via the Division Council, had agreed to collaborate and contribute was approved



as main themes by the executive board. For the first time, an underlying framework was already there, ready for the scientific committee to build a programme around.

The SC, a significantly smaller one than for previous ECCs with the task to coordinate the scientific content within and between the themes was Peter Edwards (Cardiff), Manfred Grasserbauer (Vienna), Katharina Landfester (MPI Mainz), Evangelia Varela (Thessaloniki), Nick Westwood (St Andrews) and undersigned, with the permanent observers Mehmet Mahramanioglu (TCS), Francisco Javier Pérez Trujillo (Anque, host of ECC6) and Christina Todasca and Frederique Backaert (both representing the EYCN). Following the appointment in early 2013, and using tools for communication – e-mail, telephone and Skype, the programme-building and coordination part of the SC work was carried out without anyone having to travel, i.e. reasonably time-efficient and highly cost-efficient.

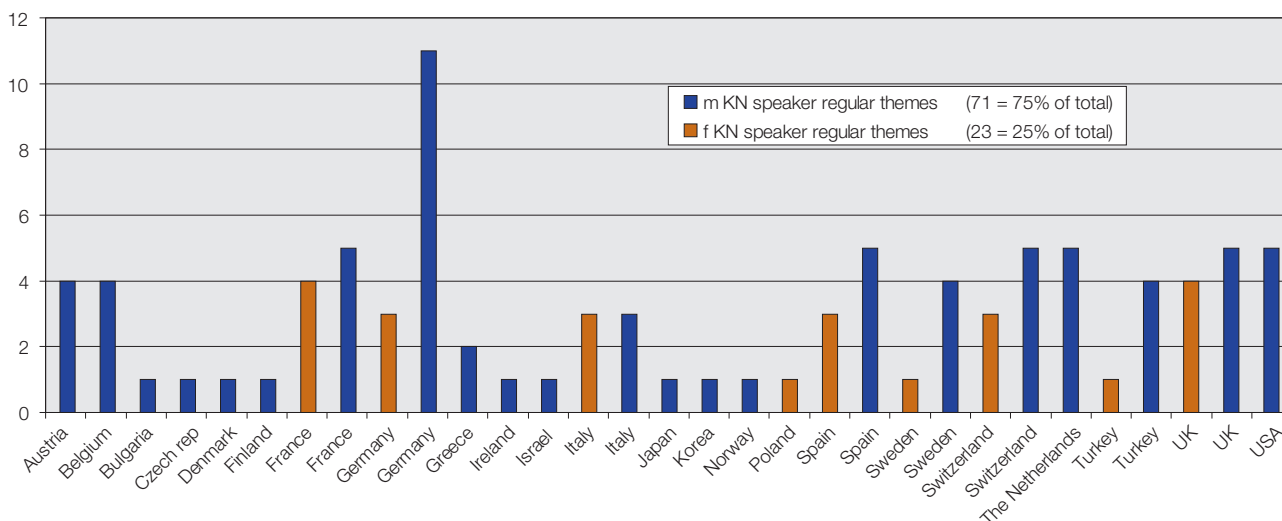
The list of congress plenary speakers (Lusia De Cola, Don Hilvert, Luis Liz-Marsan, sir Venki Ramakrishnan, Yusuf Yagci and Alexander Zehnder) was soon complemented with the EuCheMS lecture award winner Maurizio Prato, and slots were made available also for the GDCh medalist Barry

Trost and the winner of the EuCheMS sustainable chemistry awardees Walter Leitner and Jürgen Klankermayer. In addition to the plenary programme, the topics (3-5 per main theme, each with an appointed convener – see graphics for geographic and gender distribution) were defined by name and by the profiles of the invited speakers, (2-4 per topic, total over 90, see graphics for geographic and gender distribution).

Abstract submission opened in December 2013. At closing of regular submission in June 2014, about 1500 individual accounts had been created. 1350 contributed abstracts were sent to the conveners for evaluation (see graphics for theme distribution). The process of selecting for the oral sessions was, as always, a tough task for most conveners, as well as for the SC to monitor against overloaded oral sessions. In order to accommodate as many as possible, some conveners used the “oral poster”/“poster flash” option, combining the high visibility of a few minutes of an oral session with a poster.

Selection done, about 300 contributions were accepted as oral, 45 as oral posters and over 900 as regular posters. The “show” proportion for poster contributions were (per main

Invited speakers, gender and regional distribution



theme) 55-80%, to some extent mirroring the geographical distribution of submissions. All posters were on display for the duration of the meeting, in two of the larger rooms. The presentation sessions were well attended, but also between the poster sessions the contributions received attention.

For the first time at an ECC, the Divisions and Working Parties were invited to select for "top poster" awards. Seven Divisions and one Working Party took part, each selecting 1-5 winners from among the posters actively presented. The 22 awardees received a certificate, those present at the award ceremonies also received a small gift.

In addition to the sessions of invited and contributed orals and posters, the participants were offered a career-building activity/inspiration track organised by EYCN, including the prestigious EYCN speakers award contest generously sponsored by the Italian societies, seminars by the ERC, ACS+TCS and a symposium with speakers from the executive levels of EuCheMS, the TCS and the Federation of Asian chemical societies.

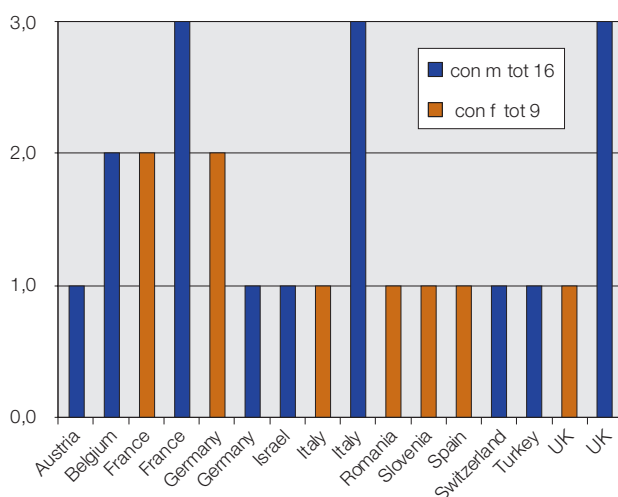
More than four years of work by the TCS hosts and almost three years of preparation of the scientific programme by the

EuCheMS bodies, the SC and the conveners resulted in a high-class programme, socially – the opening session concert and reception, the lunch bags included in the registration fees and the downtown social dinner were particularly appreciated – and scientifically.

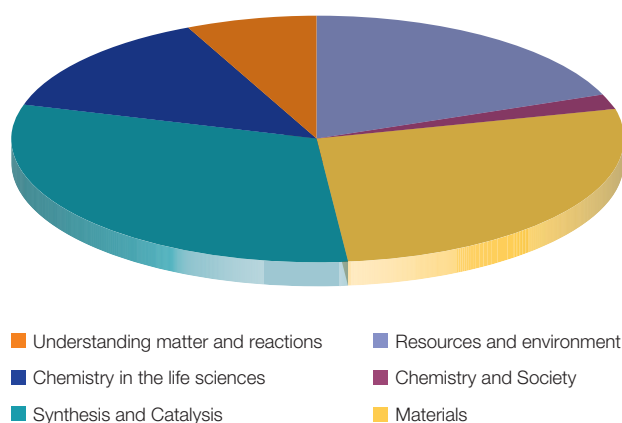
On behalf of the SC, I thank the TCS for their excellent hospitality and all participants for joining us in Istanbul and thereby contributing to the success of the 5th EuCheMS chemistry congress.

Helena Grennberg
Uppsala University, Sweden
SC Chair, ECC5 Istanbul 2014

Main conveners, gender and regional distribution (SC not in these figures)



Abstracts by registered participants



EuCheMS Recognised Events

- ◆ **European Winter School on Physical Organic Chemistry**
2 – 7 February 2014
Bressanone, Italy
- ◆ **EuCheMS-Stoa “The Energy Storage Challenge”**
11 February 2014
Brussels, Belgium
- ◆ **12th Chemistry Conference for Young Scientists**
27 – 28 February 2014
Blankenberge, Belgium
- ◆ **Analytica conference**
1 – 3 April 2014
Munich, Germany
- ◆ **38th International Symposium on Capillary Chromatography & 11th GCxGC Symposium**
18 – 23 May 2014
Riva del Garda, Italy
- ◆ **113th Annual German Conference on Physical Chemistry**
29 – 31 May 2014
Hamburg, Germany
- ◆ **22nd Analysdagarna**
9 – 11 June 2014
Stockholm, Sweden
- ◆ **15th International Conference on Electroanalysis**
11 – 15 June 2014
Malmö, Sweden
- ◆ **18th International Symposium on Bioluminescence and Chemiluminescence**
23 – 28 June 2014
Uppsala, Sweden
- ◆ **Conference on Molten Salts and Ionic liquids**
6 – 10 July 2014
Tallinn, Estonia
- ◆ **Conference on Organic Free Radicals**
29 – 4 July 2014
Prague, Czech Republic
- ◆ **22nd Conference on Isoprenoids**
7 – 10 September 2014
Prague, Czech Republic
- ◆ **23rd International Symposium on Medicinal Chemistry**
7 – 11 September 2014
Lisbon, Portugal
- ◆ **15th Ružicka Days**
11 – 12 September 2014
Vukovar, Croatia
- ◆ **Ischia Advanced School of Organic Chemistry**
21 – 25 September 2014
Ischia, Italy
- ◆ **10th International Conference on Polysaccharides-Glycoscience**
22 – 24 October 2014
Prague, Czech Republic
- ◆ **NUTRICON 2014**
27 – 28 October 2014
Skopje, Macedonia
- ◆ **1st Erwin Schrödinger Symposium 2014**
26 – 28 November 2014
Vienna, Austria
- ◆ **EuCheMS-JRC Workshop on Employability of Chemists: Study Progress**
12 December 2014
Brussels, Belgium
- ◆ **9th European Winter School on Physical Organic Chemistry**
01 – 06 February 2015
Bressanone, Italy
www.chimica.unipd.it/wis poc
- ◆ **European Winter Conference on Plasma Spectrochemistry**
22 – 26 February 2015
Münster, Germany
www.ewcps2015.org

- ◆ **Integrating CO₂ in the Value Chain – the Role of Chemistry**
3 March 2015
Brussels, Belgium
<http://on.fb.me/1Bmm25r>
- ◆ **3rd Nordic Meeting on Organometallic Chemistry**
11 – 12 March 2015
Lund, Sweden
<https://ssl.webshotell.ldc.lu.se/luccp>
- ◆ **Frontiers in Medicinal Chemistry 2015**
15 – 18 March 2015
Marburg, Germany
www.gdch.de/medchem2015
- ◆ **17th JCF Spring Symposium**
25 – 28 March 2015
Münster, Germany
www.jcf-fruehjahrssymposium.de
- ◆ **Bunsentagung 2015**
14 – 16 May 2015
Bochum, Germany
www.bunsentagung.de
- ◆ **Energy Science Technology Conference 2015**
20 – 22 May 2015
Karlsruhe, Germany
www.est-conference.com
- ◆ **15th Conference of the International Association of Colloid and Interface Scientists**
24 – 29 May 2015
Mainz, Germany
www.iacis2015.org
- ◆ **6th ECCLS – 6th European Conference on Chemistry for Life Sciences**
10 – 12 June 2015
Lisbon, Portugal
<http://6eccls.eventos.chemistry.pt>
- ◆ **ISOS – International Summer School on Organic Synthesis “A. Corbella”**
14 – 18 June 2015
Gargnano, Italy
www.corbellasummerschool.unimi.it
- ◆ **VIII International School on Organometallic Chemistry “Marcial Moreno Manas”**
15 – 17 June 2015
Seville, Spain
<http://school2015.orfeo-cinca.es>
- ◆ **European Polymer Federation Congress 2015**
21 – 26 June 2015
Dresden, Germany
www.epf2015.org
- ◆ **CoCoTea 2015 – Third International Congress on Cocoa Coffee and Tea**
22 – 24 June 2015
Aveiro, Portugal
www.cocotea2015.com
- ◆ **31st Annual International Society of Chemical Ecology Meeting**
29 June – 03 July 2015
Stockholm, Sweden
www.isce2015.com
- ◆ **SCF’15: Chemistry and Energy Transition**
04 – 09 July 2015
Lille, France
www.societechimiquedefrance.fr/congres/scf-15
- ◆ **21st European Conference on Organometallic Chemistry**
5 – 9 July 2015
Bratislava, Slovakia
www.eucomcxxi.eu
- ◆ **Summer School of the Euromaster Measurement Science in Chemistry**
11 – 25 July 2015
Pulawy, Poland
www.msc-euromaster.eu
- ◆ **19th European Symposium of Organic Chemistry**
12 – 16 July 2015
Lisboa, Portugal
<http://esocix.eventos.chemistry.pt>
- ◆ **In Vino Analytica Scientia 2015**
14 – 17 July 2015
Mezzocorona, Italy
<http://eventi.fmach.it/IVAS2015>

- ◆ **19th European Symposium of Organic Chemistry**
12 – 16 July 2015
Lisboa, Portugal
<http://esocxix.eventos.chemistry.pt>
- ◆ **WIFO 2015 – GDCh Chemistry Forum**
30 August – 2 September 2015
Dresden, Germany
www.wifo2015.de
- ◆ **10th European Conference on Computational Chemistry**
31 August – 03 September 2015
Fulda, Germany
www.euco-cc-2015.org
- ◆ **10th International School of Organometallic Chemistry**
5 – 9 September 2015
Camerino, Italy
<http://d7.unicam.it/isoc/home>
- ◆ **Euroanalysis 2015**
6 – 10 September 2015
Bordeaux France
www.euroanalysis2015.com
- ◆ **Joint Discussion Meeting of the German and British Magnetic Resonance Societies and Priority Programme 1601**
7 – 10 September 2015
Darmstadt, Germany
www.chemie.tu-darmstadt.de/gdch-fgmr2015/fgmr_2015/index.en.jsp
- ◆ **Chemical Biography in the 21st Century**
09 – 12 September 2015
Aveiro, Portugal
10ichc-2015.web.ua.pt
- ◆ **6th EuCheMS Conference on Nitrogen Ligands**
13 – 17 September 2015
Beaune, France
www.nligands2015.com
- ◆ **1st European Conference on Physical and Theoretical Chemistry**
14 – 18 September 2015
Catania, Italy
<http://on.fb.me/1uk5JgW>
- ◆ **9th International Conference on “Instrumental Methods of Analysis-Modern Trends and Applications”**
20 – 24 September 2015
Kalamata, Greece
www.ima2015.teikal.gr
- ◆ **15 EuCheMS International Conference on Chemistry and the Environment**
20 – 25 September 2015
Leipzig, Germany
www.icce2015.org
- ◆ **58th Annual Scientific Meeting of the Polish Chemical Society**
21 – 25 September 2015
Gdansk, Poland
<http://ptchem2015.ug.edu.pl/>
- ◆ **2nd EuCheMS Congress on Green and Sustainable Chemistry**
04 – 07 October 2015
Lisbon, Portugal
web.ist.utl.pt/jnlopes/2EUGSC
- ◆ **EuroFoodChem XVIII**
13 – 16 October 2015
Madrid, Spain
www.ictan.csic.es/en/eurofoodchem2015
- ◆ **European Detergents Conference (EDC)**
14 – 16 October 2015
Fulda, Germany
www.gdch.de/waschen
- ◆ **11th German Conference on Chemoinformatics**
8 – 10 November 2015
Fulda, Germany
www.gdch.de/gcc2015

EuCheMS Member Societies

Austrian Chemical Society

Gesellschaft Österreichischer Chemiker (GÖCH)

President: Prof. Herbet Ipser

Website: www.goech.at



Estonian Chemical Society

Eesti Keemia Selts

President: Prof. Margus Lopp

Website: <http://ecs.kbfi.ee/Engl.html>



Austrian Society of Analytical Chemistry

Österreichische Gesellschaft für Analytische Chemie (ASAC)

President: Prof. Wolfgang Buchberger

Website: www.asac.at/default.aspx



Finnish Chemical Societies

Kemiska sällskapet i Finland / Suomen Kemian Seura

President: Prof. Kimmo Himberg

Website: <http://kemianseurat.fi/kemia>



Royal Society of Chemistry (Belgium)

Société Royale de Chimie

President: Prof. Alain Laudet

Website: www.src.be



French Chemical Society

Société Chimique de France

President: Prof. Olivier Homolle

Website: www.societechimiquedefrance.fr

Royal Flemish Chemical Society

Koninklijke Vlaamse Chemische Vereniging (KVCV)

President: Christophe De Bie

Website: www.kvcv.be



German Chemical Society

Gesellschaft Deutscher Chemiker (GDCh)

President: Dr. Thomas Geelhaar

Website: www.gdch.de



Croatian Chemical Society

Hrvatsko Kemijsko Društvo

President: Prof. Srdanka Tomić-Pisarović

Website: www.hkd.hr/index-en.html



German Bunsen Society for Physical Chemistry

Deutsche Bunsen-Gesellschaft für Physikalische Chemie e.V.

President: Dr. Marcel Peuckert

Website: www.bunsen.de



Panyprian Union of Chemists

President: Prof. Epameinondas Leontidis



Association of Greek Chemists

Ένωση Ελλήνων Χημικών

President: Prof. Athanasios N. Papadopoulos

Website: www.eex.gr/Pages/Default.aspx



Czech Chemical Society

Česká společnost Chemická

President: Prof. Jan John

Website: www.csch.cz



Hungarian Chemical Society

Magyar Kémikusok Egyesülete

President: Prof. Dr. Livia Simon Sarkadi

Website: www.mke.org.hu



Danish Chemical Society

Kemisk Forening

President: Prof. Stefan Vogel

Website: www.chemsoc.dk



Institute of Chemistry of Ireland

President: Prof. Patrick Hobbes

Website: www.chemistryireland.org



Israel Chemical Society

President: Prof. Ehud Keinan
 Website: www.chemistry.org.il

**Polish Chemical Society**

Polskie Towarzystwo Chemiczne
 President: Prof. Boguslaw Buszewski
 Website: www.en.ptchem.pl

**National Council of Chemists**

Consiglio Nazionale dei Chimici
 President: Prof. Armando Zingales
 Website: www.chimici.it

**Portuguese Chemical Society**

Sociedade Portuguesa de Química
 President: Prof. Maria José Calhorda
 Website: www.spq.pt

**Italian Chemical Society**

Società Chimica Italiana
 President: Prof. Raffaele Riccio
 Website: www.soc.chim.it

**Portuguese Electrochemical Society**

Sociedade Portuguesa da Electroquímica
 President: Prof. Luísa Margarida Martins
 Website: cqe.ist.utl.pt/speq/

**Association of Chemists of Luxembourg**

Association des Chimistes Luxembourgeois
 President: Albert Lambert
 Website: www.achil.lu

**Romanian Chemical Society**

Societatea de Chimie din Romania
 President: Prof. Sorin Rosca
 Website: www.schr.org.ro

**Society of Chemists and Technologists of Macedonia**

Сојуз на хемичарите и технолозите на Македонија
 President: Prof. Svetomir Hadzi Jordanov
 Website: www.pmf.ukim.edu.mk/PMF/Chemistry/sojuz.htm

**Mendeleev Russian Chemical Society**

President: Prof. Aslan Tsivadze
 Website: www.chemsoc.ru

**Chemical Society of Montenegro**

Hemijsko Društvo Crne Gore
 President: Prof. Zeljko Jačimović

**Russian Scientific Council on Analytical Chemistry**

President: Prof. Yuri Zolotov

**Royal Netherlands Chemical Society**

Koninklijke Nederlandse Chemische Vereniging (KNCV)
 President: Prof. Kees De Gooijer
 Website: www.kncv.nl

**Serbian Chemical Society**

Српско хемijsко друштво (СХД)
 President: Prof. Živoslav Tešić
 Website: www.shd.org.rs/HtDocs/SHD/SHD-index.htm

**Norwegian Chemical Society**

Norsk Kjemisk Selskap (NKS)
 President: Prof. Øyvind Mikkelsen
 Website: www.kjemi.no

**Slovak Chemical Society**

Slovenská chemická spoločnosť
 President: Dr. Maria Omastova
 Website: www.schs.chtf.stuba.sk



Slovenian Chemical Society*Slovensko kemijsko društvo*

President: Prof. Venčeslav Kaučič

Website: www.chem-soc.si**Royal Society of Chemistry**

President: Prof. Dominic Tildesley

Website: www.rsc.org**Spanish Royal Society of Chemistry***Real Sociedad Espanola de Quimica*

President: Prof. Jesus Jimenez-Barbero

Website: www.rseq.org**Spanish Society for Analytical Chemistry***Sociedad Española de Química Analítica (SEQA)*

President: Prof. Elena Dominguez

Website: www.seqa.es**National Association of Chemists of Spain***Asociación Nacional de Químicos de España (ANQUE)*

President: Prof. Ernesto Castañeda

Website: www.anque.es**Catalan Chemical Society***Societat Catalana de Quimica*

President: Prof. Carles Bo

Website: www.blogs.iec.cat/scq**Swedish Chemical Society***Svenska Kemistamfundet*

President: Prof. Helena Grennberg

Website: www.chemsoc.se**Swiss Chemical Society**

President: Prof. Peter Kündig

Website: www.swiss-chem-soc.ch**Turkish Chemical Society***Türkiye Kimya Derneği*

President: Prof. Erkan Baykut

Website: www.turchemsoc.org

EuCheMS Divisions and Working Parties

The scientific Divisions and Working Parties enhance networking in their own fields of expertise and promote collaboration with other European and international organisations. Among other things, the Divisions and Working Parties organise high quality scientific conferences in chemical and molecular sciences and interdisciplinary areas.



Chair: Professor Paul Worsfold
Email: P.Worsfold@plymouth.ac.uk

◆ Division of Analytical Chemistry

The EuCheMS Division of Analytical Chemistry is a network of chemical societies and their members working in all fields of analytical sciences. It gives a voice to the interdisciplinary field of analytical sciences. It is based in Europe and aims at close links to related institutions all over the world.



Chair: Professor Ilka Parchmann
(until July 2014)
Email: parchmann@jpn.uni-kiel.de

◆ Division of Chemical Education

The EuCheMS Division of Chemical Education has two goals: to look for new activities to promote chemical education research and practice in Europe and to improve the dissemination of information between countries.



Chair: Professor Iwona Maciejowska
(from July 2014 onwards)
Email: maciejow@chemia.uj.edu.pl



Chair: Professor Walter Giger
(until January 2015)
Email: giger@giger-research.ch



Chair: Professor Santiago Luis
(from January 2015 onwards)
Email: luiss@uji.es

◆ Division of Chemistry and the Environment

The overall aim of the EuCheMS Division of Chemistry and the Environment is to promote and support co-operation in the area of chemistry and the environment issues between the European chemical societies and their members.



Chair: Dr. Paola Turano
(until January 2015)
Email: turano@cerm.unifi.it

◆ Division of Chemistry in Life Sciences

The general aim of the EuCheMS Division of Chemistry in Life Sciences is to promote active collaborations, maintain effective communication, and disseminate knowledge among chemists in Europe working in the broad area of chemistry for life sciences. Achievement of these goals is pursued through networking activities, organisation of conferences and schools.



Chair: Professor Nick Westwood
(from January 2015 onwards)
Email: njw3@st-andrews.ac.uk



Chair: Professor Antonio Laganà

Email: lagana05@gmail.com

◆ Division of Computational Chemistry

The Division of Computational Chemistry networks the EuCheMS members exploiting the pervasive nature of computer science and technologies to enhance research and education in chemistry, molecular and materials sciences. Computational Chemistry research provides new understanding and development of procedures for simulating, designing and operating systems ranging from atoms and molecules to interactions of molecules in complex systems such as cells and living organisms. In this respect the Division promotes the development of virtual research and education communities fostering collaborative activities between theoreticians and experimentalists, academics and professionals, teachers and students seeking innovation in all the production sectors where chemistry plays a part.



Chair: Professor Livia Simon Sarkadi
(until January 2015)

Email: sarkadi@mail.bme.hu

◆ Division of Food Chemistry

The EuCheMS Division of Food Chemistry aims are: to represent food chemical societies (or food sectors of chemical societies) at a European level; to be recognised as a European authority in all matters concerning food chemistry and to promote and harmonize the teaching of food chemistry within food science across Europe.



Chair: Professor Marco Arlorio
(from January 2015 onwards)

Email: marco.arlorio@pharm.unipmn.it

◆ Division of Inorganic Chemistry

The EuCheMS Division of Inorganic Chemistry provides a forum to the interdisciplinary field of inorganic chemistry and its applications. The Division aims at close links all over the world. It also aims to motivate national chemical societies to promote inorganic chemistry in their countries and to become the focal point of Inorganic Chemists in Europe. The Division promotes the dissemination of Inorganic Chemistry through its biennial Congress, or dedicated initiatives within the general EuCheMS Congress, and supports high level education through specialist Schools and the production of dedicated books and other publications.



Chair: Professor Anna Trzeciak

Email: anna.trzeciak@chem.uni.wroc.pl



Chair: Professor Nick Evans

Email: N.D.M.Evans@lboro.ac.uk

◆ Division of Nuclear and Radiochemistry

The Division of Nuclear and Radiochemistry is a network of societies and their scientists working in nuclear and radiochemistry throughout Europe. The main objectives of the DNRC are to contribute to the advancement of nuclear and radiochemistry in Europe; to identify important areas in science, technology and other human activities relevant to nuclear and radiochemistry, and to stimulate actions in such fields; to address aspects of importance in or to nuclear and radiochemistry which need regulation, harmonisation, standardisation or codification, and to make recommendations as appropriate and to encourage cooperation between analytical chemists whether working in academia, industry or governance, in particular within the countries of the member societies of EuCheMS.



Chair: Professor Ilan Marek

Email: chilanm@techunix.technion.ac.il

◆ Division of Organic Chemistry

The EuCheMS Division of Organic Chemistry is currently composed of 27 member societies and has gained international recognition within the chemistry community. Since its creation, the Organic Division has been pro-active at various levels and was involved in the organisation of numerous satellite symposia at the European Chemical Congresses. The Division also endorses on a regular basis a series of well-established and high-profile Conferences and Schools.

However, the EuCheMS Organic Division hallmark activity is the creation of the Young Investigator's Workshop (YIW) to further promote and recognize academic excellence in organic chemistry within (and outside) Europe. This annual event is deliberately held close to either the European Chemical Congress (EEC) or the European Symposium on Organic Chemistry (ESOC), as we encourage the attendees of the YIW to attend these events.



Chair: Professor Helena Grennberg
(until September 2014)
Email: helena.grennberg@kemi.uu.se



Chair: Professor Jan Cermák
(from September 2014 onwards)
Email: cermak@icpf.cas.cz

◆ Division of Organometallic Chemistry

The Division of Organometallic Chemistry will continue being an active, trusted, and sustainable voice of EuCheMS on any matters relating to the large and interdisciplinary field of fundamental and applied organometallic chemistry, providing and coordinating activities such as congresses, schools and workshops of interest for students, researchers and others interested in or actively employing organometallic chemistry.



Chair: Professor Eckart Ruehl
Email: ruehl@zedat.fu-berlin.de

◆ Division of Physical Chemistry

The EuCheMS Division of Physical Chemistry aims to strengthen the interaction of physical chemists throughout Europe. The EuCheMS Division of Physical Chemistry integrates and coordinates its scientific activities with respective national and international activities of its members. The EuCheMS Division of Physical Chemistry strongly supports focused scientific meetings which are organised by active members in Physical Chemistry. Furthermore, the EuCheMS Division of Physical Chemistry aims to increase the networking and communication among its active members, which is expected to lead to a higher level of coordination and communication resulting in integration of topical national events into the EuCheMS Physical Chemistry Community.



Chair: Professor Martin Jansen
Email: m.jansen@fkf.mpg.de

◆ Division of Solid State and Materials Chemistry

The Division of Solid State and Materials Chemistry is covering a highly multidisciplinary area of research, which embraces major sub-disciplines of chemistry such as inorganic, organic, physical, theoretical and analytical chemistry, and bridges to physics and engineering. Research in solid state and materials chemistry is not exclusively motivated by the quest for knowledge but is ultimately application-oriented, and thus has strong ties with industrial chemistry. As one basic objective, the Division aims to bring together the various sub-disciplines of the field, coordinating all activities with those of the already existing national associations. In particular, the Division is running biannually pertinent conferences and is striving to organise Symposia during the EuCheMS Chemistry Congresses in the intermittent years. Finally, the Division aims to enhance networking and promote education related to solid state and materials chemistry in Europe.



Chair: Dr. Nicola Armaroli

Email: nicola.armaroli@isof.cnr.it

◆ Working Party on Chemistry and Energy

The Working Party on Chemistry and Energy is a network of members of EuCheMS societies working in all fields of chemistry related to energy science and technology in their broadest sense.

The Working Party aims at becoming the key forum for discussion and promotion of any initiatives at the scientific, technical and political level to advocate the leading role of chemistry in contemporary energy research. It further looks for synergies with other EuCheMS Divisions and Working Parties on topics of common interest. The main objective is to organise conferences and workshops on energy related topics in cooperation with other scientific, industrial and political stakeholders at the European as well as national levels.

Moreover, the WP aims to support activities, to organise platforms, attract funding, enhance networking and promote education related to energy and chemistry in Europe.



Chair: Professor Rocco Mazzeo

Email: rocco.mazzeo@unibo.it

◆ Working Party on Chemistry for Cultural Heritage

The Working Party is a network of representatives from EuCheMS member societies working in chemistry for cultural heritage. It aims to make links all over the world. The Working Party aims to collaborate closely with the professional conservation community eg. IIC, ICOM-CC, ENCoRe etc. It aims to motivate and assist the national chemical societies in promoting the interest and knowledge of the relation between chemistry and cultural heritage in their countries.

The Working Party organises on a biennial basis an international conference on Chemistry for Cultural Heritage which is aimed at providing an international platform for presentation and discussion on new and advanced chemical technologies applied to diagnosis, understanding causes and state of conservation, ancient production techniques, development and evaluation of restoration materials and methods for movable and immovable cultural properties.



Chair: Dr. Brigitte Van Tiggelen

Email: vantiggelen@memosciences.be

◆ Working Party on History of Chemistry

The Working Party on the History of Chemistry is a network of members of EuCheMS societies working in all aspects of the history of chemistry in their broadest sense. Over the years, the international conferences organised by the WP every other year has become a key event in the broader history of science community, gathering chemists and historians, from all over Europe and far beyond to investigate and discuss the latest research and reflections on a wide variety of aspects of the history of the molecular sciences. On top of this main objective, the WP has led several projects to promote chemistry through its history, and serves as a platform for international networking to this aim.



Chair: Professor Pietro Tundo

Email: tundop@unive.it

◆ Working Party on Green and Sustainable Chemistry

The Working Party on “Green and Sustainable Chemistry” is a network of members of EuCheMS societies working in all fields of chemistry related to “The invention, design and application of chemical products and processes to reduce or to eliminate the use and generation of hazardous substances”.

The Working Party aims at becoming the key forum for discussion and promotion of any initiatives at the scientific, technical and political level to advocate the leading role of chemistry in contemporary green research. It further looks for synergies with other EuCheMS Divisions and Working Parties on topics of common interest. The main objective is to organise conferences and workshops on energy related topics in cooperation with other scientific, industrial and political stakeholders at the European as well as national levels.

Moreover, the WP aims to support activities, to organise platforms, attract funding, enhance networking and promote education related to Green and Sustainable Chemistry in Europe.



Chair: Professor Hartmut Frank

Email: hartmut.frank@uni-bayreuth.de

◆ Working Party on Ethics in Chemistry

The Working Party is a network of representatives of EuCheMS member societies to promote the understanding of the involvement and importance of ethical considerations in all areas of the education and practice of chemical research and applied chemistry.



Chair: Frederique Backaert

Email: frederique.backaert@eycn.eu

◆ European Young Chemists' Network

The European Young Chemists' Network. EYCN is the younger members Division of the European Association for Chemical and Molecular Sciences (EuCheMS). Every chemist under 35 within the EuCheMS framework is part of EYCN.

The aim of EYCN is to promote the exchange of information among chemists in European industry, academia, professional institutions and European government bodies. Moreover, it provides a communication gate for all areas of chemistry within Europe and also to the rest of the world.

EYCN forms an organised and united opinion to represent the European voice in science and education and provide the platforms to generate and expand new ideas that contribute to the future role of chemistry and molecular sciences in the European society.

It also bridges the gap between academics and industry by organising shared activities, promoting discussion and handover of experience at an informal level.

Annual reports of EuCheMS Divisions/WPs/EYCN

1. Division of Analytical Chemistry

DAC has 5 active Study Groups; 'Education in Analytical Chemistry'; 'Quality Assurance and Accreditation'; 'History'; 'Bioanalytics'; and 'Chemometrics' and a Task Force on 'Archaeometry and Cultural Heritage'.

The Steering Committee membership for 2013-2014 is: Paul Worsfold (Chair, Royal Society of Chemistry), Wolfgang Buchberger (Secretary, Austrian Society for Analytical Chemistry), Slavica Razic (Web Secretary, Serbian Chemical Society), Jiri Barek (Czech Chemical Society), Charlotta Turner (Swedish Chemical Society) and Christian Rolando (Société Chimique de France).

The DAC website has been successfully transferred to the EuCheMS main site and has been extensively revised and updated.

Short-term future activities include preparation for EUROANALYSIS XVIII to be held in Bordeaux, France on 6 - 10 September 2015, writing and disseminating the annual European Analytical Column (the 42nd column was published in five journals in 2014), distributing two Letters of Information per year, reviewing activities of the study groups/task forces and encouraging more meetings to be organised in co-operation with DAC.

The key longer term activities are succession planning for EUROANALYSIS conferences and DAC governance and enhancing the visibility and impact of DAC within the Analytical Chemistry community.

Chair:	Prof. Paul Worsfold (Royal Society of Chemistry, 2011-2016)
Secretary:	Prof. Wolfgang Buchberger (Austrian Society for Analytical Chemistry, 2012-2016)
Treasurer:	Prof Jiří Barek (Czech Chemical Society, 2014-2017)
Members:	36 active delegates
Countries:	28 (Austria, Belgium, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Macedonia, The Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom)

2. Division of Chemical Education

The European Conference on Research in Chemistry Education 2014 "New Trends in Research-based Chemistry Education" has been organised 7 – 10 July, 2014 in Jyväskylä (Central Finland). The conference included five plenary talks, 16 invited talks, 76 oral papers and 41 papers. It was attended by 150 delegates from 41 countries, including 20 Finnish delegates.

The Division continues to cooperate with ECTN and EC2E2N. Delegates were encouraged to contribute information on their own programmes to the Transparency Database of Study Programmes⁷ which would allow Erasmus students to choose their course and destination, as well as to the database on methods and experts in tertiary education organised by WP1 of the EC2EN⁸, that will allow university teachers to link with colleagues having expertise in particular areas.

28 people (members, deputy members and observers) participated in the annual DivCEd meeting in Jyväskylä. Among them some new countries have been represented: Russia, Switzerland, Norway, Belgium.

Eighteen national annual reports are published on the DivCEd website.

A new publication on reviewing of conference abstracts is now available on the DivCEd website⁹.

The Division would like to hold a workshop for Researchers who Teach as the Division input to the Sixth European Chemistry Congress to be held in Seville in 2016 with Michael Seery as the leader, as well as a poster session on teaching.

The divisional conference Eurovariety 2015 would be held in Estonia between 29 June and 1 July. Eurovariety meetings are involved with practice in tertiary education and the education of secondary teachers.

In terms of key long-term activities, the main task of the Division is to support the exchange of information and to develop partnerships. It provides useful opportunities to identify third country partners for EU applications.

Closer cooperation with the IUPAC Committee on Chemical Education will be developed, especially through a proposal for a new journal to publish good practice in chemical education.

The 6th European Variety in Chemistry Education Conference will take place between 29 June and 1 July 2015 in Tartu/Tallin, Estonia. The next meeting of Council will take place during this conference.

⁷ <http://transparency.inp-toulouse.fr>

⁸ <http://starfish.innovatievooronderwijs.nl/information/77>

⁹ <https://sites.google.com/site/euchemsdivced/publications-1>

Chair:	Prof. Ilka Parchmann (2008 - July 2014), Prof. Iwona Maciejowska (July 2014 - 2017)
Vice Chairs:	Dragica Trivic (for Eastern Europe) Mariann Holmberg (for Western Europe)
Secretary:	Paul Yates (2012-2015)
Members:	25 + 1 observer (Division of Analytical Chemistry)
Countries:	25 (Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Macedonia, The Netherlands, Norway, Poland, Portugal, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom)

3. Division of Chemistry and the Environment

The overall aim of the EuCheMS Division of Chemistry and the Environment is to promote and support co-operation in the area of chemistry and the environment issues between the European chemical societies and their members.

Environmental Science and Pollution Research (ESPR)

The publication organ of DCE is the journal *Environmental Science and Pollution Research (ESPR)* that continued to experience an extraordinary growth since 2011.

Submitted manuscripts: 515 (2010), 1 075 (2011), 2 012 (2012), 3 200 (2013), 4 381 (2014).

Published articles: 159 (2010), 167 (2011), 416 (2012), 835 (2013), 1250 (2014)

The French DCE delegate Philippe Garrigues has acted since 2011 as Editor-in-Chief of ESPR.

Four DCE delegates are Editors: Walter Giger (Switzerland), Ester Heath (Slovenia), Roland Kallenborn (Norway) and Gerhard Lammel (Germany). Six DCE delegates are members of the Editorial Board.

14th International Conference on Chemistry and the Environment 2013 (ICCE 2013)

A Special ESPR Issue was published in October 2014 containing 326 pages with 21 research and five review articles based on presentations at the ICCE 2013 in Barcelona. The Spanish and Catalan DCE delegates Santiago Luis and Eric Jover served as Guest Editors.

They contributed an Editorial and a Conference Report on the ICCE 2013. Five review articles covered important topics related to biological wastewater treatment, effects of climate change on surface-water photochemistry, trace organics in drinking water treatment and biodegradable chelating agents.

Santiago V. Luis, Eric Jover: 14th EuCheMS International Conference on Chemistry and the Environment ICCE 2013. *Environ. Sci. Pollut. Res.*, 2014, 21 (20, October), 11933–11937

EuCheMS Chemistry Congress (ECC 2014)

30 August to 4 September 2014 in Istanbul:

Congress Theme “Resources and the Environment (R&E)”

DCE delegates were very actively involved as conveners and session chairs at the 5th EuCheMS Chemistry Congress in Istanbul. Under the leadership of the theme convener and member of the Scientific Committee Manfred Grasserbauer (Austria) the scientific programme for the main theme *Resources and Environment (R&E)* with five topics was developed. Topic conveners were Ester Heath (Slovenia), Philippe Garrigues (France), Walter Giger (Switzerland), Thilo Hofmann (Austria) and Gerhard Lammel (Germany). Twelve DCE delegates acted as session chairs.

There was an excellent cooperation with the Division of Environmental Chemistry of the American Chemical Society for the topics *Contaminants of Emerging Concern* and *Advanced Oxidation Processes for Wastewater and Wastewater Treatment*. Liaison scientists were Dion Dionysiou and George Cobb. The topic *Air Pollution* was organised in cooperation with the Turkish Chemical Society. Additional topics were *Natural Resources and Mining* as well as *Water Quality and Food Production*. The latter was organised jointly with the EuCheMS Division of Food Chemistry.

The R&E programme was run in 2 parallel sessions including 90 talks, i.e. more than 20% of the total of about 430 oral presentations. About 90 posters were shown in the R&E theme.

A comparison to the programme of the ECC 2012 in Prague shows a significant increase: In 2012 the theme *Environment, Energy and Green Chemistry* encompassed 38 oral presentations, i.e. 7.5% out of a total of 512. It should be mentioned that in 2012 also the Division of Nuclear and Radiochemistry and the Working Party on Green and Sustainable Chemistry were substantially involved.

EuCheMS DCE awarded five Top Poster Prizes that were sponsored by Springer (Heidelberg, Germany). The poster

evaluation committee included the DCE delegates Willem de Lange (The Netherlands), Philippe Garrigues (France) and Ana Lopes (Portugal).

The Top Poster Awards went to:

Ahmad Deeb, Germany: Solid phase extraction strategies for the enrichment and isolation of micropollutants and their transformation products from different water matrices.

Maria-Christina Nika, Greece: Degradation and by-products identification of benzothiazoles and benzotriazoles during chlorination by LC-HR-MS/MS.

Aikatarini Psoma, Greece: Workflow for the identification of biotransformation products of amine-containing psychotropic drugs in the aquatic environment.

Christina Riemenschneider, Germany: Carbamazepine metabolites determined in tomato and cucumber plants irrigated with treated wastewater.

Cindy Weidauer, Germany: Predicting of transformations products in the environment – a high throughput system of photolysis using a flow-system.

Survey on University Education in Environmental Sciences

A report on this survey was published in *ESPR*:

Gerhard Lammel, Eric Jover Comas and Ivana Ivancev-Tumbas: Higher education in environmental sciences with chemistry emphasis: bachelor and master programmes in Europe. *Environ. Sci. Pollut. Res.*, 2014, 21 (11, June), 7211–7218

The programmes identified will appear as Supplementary Material to this article at the end of September in *ESPR* in the form of a Corrigendum. This information shall be published on the internet (EuCheMS website) and kept updated in the future, if possible.

15th International Conference on Chemistry and the Environment (ICCE 2015)

The ICCE 2015 will be held 22 – 25 September 2015 in Leipzig, Germany.

Conference presidents are Hartmut Herrmann and Thorsten Reemtsma. The ICCE 2015 will provide a unique information and communication platform for environmental scientists and a forum of exchange with their collaborators in (eco-) toxicology, microbiology, geosciences and other disciplines. The conference will address scientists in academia, industry and in governmental institutions. The scientific programme will be amended by special satellite events and by exhibitors presenting latest equipment and services in the field of environmental chemistry. www.icce2015.org

Specialist Conference on Contaminated Sediments (ContaSed 2015)¹⁰

The conference on *Contaminated Sediments: Environmental Chemistry, Ecotoxicology and Engineering* will be held from 8 to 13 March 2015 at Monte Verità, Ascona, Switzerland. Recent sediments are major sinks for contaminants and impact the environmental fate of pollutants. Sediment cores reveal historic records of organic contaminants, heavy metals and radionuclides. Recent advances in environmental chemistry, risk assessment, remediation and engineering including nanoparticles will be presented and discussed.

¹⁰ www.contased.org

Chair:	Prof. Walter Giger, (Swiss Chemical Society), 2009-2014; Prof. Santiago Luis, 2015-onwards
Vice Chair:	Prof. Ake Bergman, (Swedish Chemical Society), 2009-2014
Secretary:	Prof. Willem de Lange, The Netherlands
Members:	28 active delegates
Countries:	24 Austria (2), Belgium, Croatia, Cyprus, Czech Republic, Denmark, France, Germany (2), Greece, Finland, The Netherlands, Hungary, Italy (2), Israel, Norway, Poland, Portugal, Russia, Serbia, Slovenia, Spain (2), Sweden, Switzerland, United Kingdom.

4. Division of Chemistry in Life Sciences

Key past activities were: the 5th European Conference on Chemistry for Life Sciences (5th ECCLS), held in Barcelona on June 10th-12th, 2013 and organised by Ernest Girald (treasurer of the Division); the XII International Symposium on Inorganic Biochemistry – Collaboration and Beyond held in Wrocław, on 28 August – 1 September 2013 (organised by Henryk Kozłowski, past-chair of the Division); the 12th Chianti Workshop on BioNMR, held in Montecatini, 17 – 22 June (organised by Paola Turano, Chair of the Division).

Theme E at the recent 5th EuCheMS Congress in Istanbul was dedicated to Chemistry in the Life Sciences. The Congress Scientific Committee Chairperson Helena Grennberg (University of Uppsala, Sweden) was very supportive of a strong programme in this area and our Divisional secretary Nick Westwood (University of St Andrews and EaStCHEM) was tasked with putting this in place. In total 9 sessions were organised with three of these being in the area of the “synthesis and use of imaging reagents”. Professor Silvio Aimee (University of Turin) organised a fantastic set of speakers in the area of MRI and related imaging techniques (including keynote speakers Professors Ntziachristos, Botta and Toth). In addition, Professor Mark Bradley (University of Edinburgh) encouraged the organisers to commit to a session dedicated to young researchers in imaging. Whilst this session started with an excellent presentation by established keynote speaker (Professor Urano) the PhDs and PDRAs that followed him did a fantastic job of making this session very enjoyable. The second major scientific focus of Theme E was organised by Dr Ian Churcher from GSK. Four sessions were dedicated to discussions on public-

private partnerships (keynotes Professors Philip Jonas and Thomas Spangenberg), target identification and phenotypic screening (keynotes Professors Alleyn Plowright and Gerard Drewes), epigenetics (Dr Cristoph Loenarz) and drug delivery/targeting. One of the speakers from these sessions, Professor Gonçalo Bernardes also won the silver prize in the senior category of the European Young Chemists Award (EYCA) competition. Theme E concluded with two sessions on recent advances in the chemistry of biomacromolecules. Overall this was a very exciting and well attended part of the congress.

DCLS has a strong connotation in bio-inorganic chemistry, drug screening and structural biology. Links with the former community have been strengthened by the involvement of the new Swiss delegate, Prof. Roland Sigel who, in August 2014 organised the 2th European Biological Inorganic Chemistry Conference (EuroBIC 12); this conference was attended by several of the DCLS delegates. During the last year the DCLS chair has been deeply involved in coordinating the formation of a metabolomics consortium that is proposing itself as an expert center in metabolomics for the Biobanking community through the establishment of strong links with BBMRI-ERIC. Thanks to the activities of the DCLS secretary in 5th EuCheMS Congress we have tried to reinforce links with researchers working in bioimaging.

On the short term, we have planned 6th European Conference on Chemistry for Life Sciences, which will be held in Lisbon 10-12 June 2015 at campus de Campolide (UNL). It will be preceded by a School on Discovery of Novel Targets

Chair:	Dr. Paola Turano (Italian Chemical Society), 2012-2014; Prof. Nick Westwood (Royal Society of Chemistry), 2015-onwards
Vice-Chair:	Prof. Nicholas Westwood (Royal Society of Chemistry), 2012-2014
Treasurer:	Prof. Ernest Giralt (Royal Society of Chemistry of Spain), 2012-2014
Members:	16 active delegates
Countries:	16

in Medicine and Biology (Caparica, campus da FCT; 8 – 9 June 2015). Both events will be organised by Sofia Pauleta, DCLS delegate from Sociedade Portuguesa de Química.

The Division plans to continue supporting well established series of conferences and to strengthen relationships with EU Research Infrastructures to promote networking activities.

5. Division of Computational Chemistry

Participation in the recent Conference ECC5 (Istanbul, August 2014) with contributions spread over the various sessions (contrary to ECC4 there were no dedicated computational chemistry sessions this time) and organisation in Sopron of the EUCO CC 9 Conference (September 2013) followed by a Theoretical Chemistry and Computational Modelling (TCCM) Doctorate session. The EUCO CC9 Conference was attended by 138 participants from 31 countries (Hungary: 18, Spain: 18, Sweden:12, France: 12, Germany, Poland: 8, UK: 7, Italy, Slovakia: 6, The Netherlands: 5, Austria, Belgium, Japan: 4, Turkey: 3, Brazil, Portugal, Romania, Russia, USA: 2, Australia, Canada, Croatia, Czech Rep., Finland, Kazakhstan, Latvia, Qatar, Malaysia, Switzerland, Taiwan, Thailand).

The DCC, however, has been also involved in other 2014 conferences (like ESOR 2013, STC2013, Grid training workshop for molecular sciences (Rome, 2013), German Conference on Chemoinformatics 2013¹¹). Part of these activities is also the Fock Meeting 14th held in Samara (Russia) from 18 to 22 August 2014 on "Bridging the gap between solid state quantum chemistry and structural chemistry of allotropes." The session gathered several prominent scientists from around the world: R. Hoffmann, M. O'Keeffe, A. Oganov, A. Savin et al.¹².

The DCC is also involved in some joint activities with the Erasmus Mundus Master TCCM, with ECTN Learning Objects (LO) in Chemistry distributed on shared repositories and with EC2E2N2 for developing proposals for strengthening students' skills in entrepreneurship. As to LOs activities have involved members located in UK, Italy, Greece, Austria and Poland. Further interaction has been attempted with similar initiatives in EU (like XCITR (eXplore Chemical Information Teaching Resources, www.xcitr.org which has originally been established by the GDCh CIC Division), the ACS CINP

Division, Chemgaroo (the German Chemical Repository¹³ hosted at Wiley-VCH).

The DCC has also contributed to several issues of the 2014 EuCheMS Newsletter.

The DCC has supported the aggregation of the members of the Chemistry, Molecular and Materials Science and Technologies (CMMST) community as a Virtual Research Community (VRC). The key innovative feature of the CMMST VRC is the fact that the members of the community can either be simple end-users (passive if they only run available applications or active if they implement their own application for their own usage) or service providers if they offer hardware and/or software for use by other members of the community. Important features of the CMMST VRC are both the monitoring on the grid of the above activities by means of a specific tool (and therefore the possibility of selecting at run time the resources to use) and their rewarding by the assignment of credits redeemable through a privileged use of the services and/or financial resources (if available) of the CMMST community. Last May, the CMMST VRC has been formally approved as an EGI VRC. A short version of the related MoU has been published in *Virt&I-Comm* (A. Costantini, *Virt&I-Comm* 3,2013,23, A. Laganà, A. Costantini, *Virt&I-Comm* 3,2013,25).

The DCC has also provided support to the proposal for an ITN TCCM Doctorate (Horizon 2020) coordinated by the Universidad Autonoma de Madrid (Prof. M. Yanez, Spanish representative in the DCC Council). The TCCM ITN Doctorate has been approved for funding in early September 2014 by the EU.

Members of the DCC are also among the most active users of the European network of supercomputers (PRACE) and

¹¹ www.gdch.de/gcc2013

¹² www.qcc.ru/~fock/meeting.en.php

¹³ www.chemgapedia.de/vsengine/topics/de/vlu/index.html

of the US one (XSEDE). Moreover, advanced activities for the use of the Grid have also been developed.

In the future, an increasing volume of activities is going to be implemented to encourage associated members to adopt in their Institutions or Companies the ECTN Eurolabels and e-learning instruments. Further initiatives are going to be undertaken in the editorial field. JMM (Journal of Molecular Modelling) is becoming the reference international journal for the DCC conferences. To this end Peter Szalay has been named as guest editor for the JMM issues concerned with DCC materials and will be assisted by an ad hoc editorial board.

For the coming EUCO CC10, the composition of the local organising committee (Frank Oellien (AbbVie, CIC and EuCheMS DCC), Stefan Grimme (Univ. Bonn, AGTC), Tim Clark (Univ. Erlangen, CIC and AGTC), Stefan Kast (Univ. Dortmund, AGTC), Bernd Engels (Univ. Würzburg, AGTC), Thomas Engel (Univ. Munich, CIC Chair)) has been set, the location (Fulda) and the date (August 30 – September 4) have been chosen and, as in the previous editions, the workshop on TCCM (Theoretical Chemistry and Computational Modelling) mainly devoted to the PhD students of the Joint Doctorate Course will be included in the programme of the conference.

Further activities will be carried out within the CMMST VRC. In particular, by leveraging on the effort made to establish the CMMST VRC (formalized by EGI last May in Helsinki) and the links developed with other projects (like MoSGrid, Scalalife, ECTN, etc.) a project proposal for the January Infrastructure call on Virtual Research Environments (VRE) has been assembled.

Chair:	Prof. Antonio Laganà, 2011-2013
Vice Chair:	Prof. Péter Szalay (Hungarian Chemical Society), 2011-2013
Secretary:	Frank Oellien (German Chemical Society), 2011-2013
Members:	24
Countries:	22 (Austria, Czech Republic, Cyprus, Denmark, Finland, France, Germany, Hungary, Israel, Italy, Norway, Macedonia, Poland, Portugal, Russia, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Turkey, UK)

6. Division of Food Chemistry

2014 events include the 38th International Symposium on Environmental Analytical Chemistry, 17 – 20 June 2014 (International Association for Environmental Analytical Chemistry, EPFL Lausanne); and the 13th International Symposium: Prospects for the 3rd Millennium Agriculture, 25 – 27 September 2014, Cluj-Napoca, Romania

Some of the most important recent achievements are the intensive exchange with other organisations (EFFOST, SAFE, ISEKI, ECTNA, Codex Alimentarius, EuroFedLipid); as well as the election of new chair for the following period (2015-2017)

- Chair: Marco Arlorio (IT)
- Secretary: Michael Murkovic (AT)
- Treasurer: Irena Vovk (SI)

Short-term future activities of the Division of Food Chemistry include CoCoTea, in 22 – 24 June 2015, Aveiro/Portugal, Website: www.cocotea2015.com; and Eurofoodchem XVIII, 2015, Madrid/Spain; 13 – 16 October; Scientific committee members of the Division: J. Frias Arevallilo, L. Simon-Sarkadi, M. Murkovic, I. Undeland, M. Arlorio; I. Vovk, E. Anklam, A. Basman, V. Piironen, Website: www.ictan.csic.es/eurofoodchem2015

Key long-term activities include a series of conferences which will be continued such as:

- Pigments in Foods (June 2016, Cluj-Napoca/Romania),
- Chemical Reactions in Foods
- Euro Food Chem XIX, Budapest, 2017 (Livia Simon-Sarkadi will organise this conference at Corvinus University of Budapest, Faculty of Food Science, Hungarian Chemical Society)
- Euro Food Chem XX, Porto, 2019 (Portuguese Chemical Society)

Also relevant is the fact that the Division is continuously updating membership as the nominees change regularly, and that the homepage of the Division is regularly updated.

Chair:	Prof. Livia Simon-Sarkadi (Hungarian Chemical Society), 2012-2014; Prof. Marco Arlorio (Italian Chemical Society), 2015-onwards
Secretary:	Prof. Michael Murkovic (Austrian Chemical Society), 2012-2014
Treasurer:	Prof. Mariusz Piskula (Polish Chemical Society), 2012-2014
Members:	64 active delegates; 1 observer
Countries:	34 (Albania, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Israel, Italy, Latvia, Lithuania, Macedonia, The Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovenia, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine, UK, Uzbekistan).

7. Division of Inorganic Chemistry

Past activity was concentrated on the preparation of a conference EICC-3 (*EuCheMS Inorganic Chemistry Conference*) which will be held in Wroclaw in 2015. The main topics of modern inorganic chemistry which should be discussed during conference were defined and coordinators of conference sections were selected.

Important recent achievements encompass the discussion about the position and role of inorganic chemistry as an area of increasing importance.

EICC-4 will be organised in 2017 in Copenhagen and EICC-5 in 2019 in Moscow

The contact list of Division members was corrected because some countries changed their delegates without informing about that.

Chair:	Prof. Anna Trzeciak (Polish Chemical Society), 2013-2016
Secretary:	Dr. Konrad Herbst (Danish Chemical Society)
Members:	16 active delegates
Countries:	16 (Austria, Belgium, Denmark, Germany, Hungary, Israel, Italy, The Netherlands, Poland, Portugal, Slovak Republic, Spain, Sweden, Switzerland, United Kingdom, Russia)

8. Division of Nuclear and Radiochemistry

2014 was the year of the 17th Radiochemical Conference (RadChem 2014) in Mariánské Lázně on 11-16 May, magnificently organised by Jiří Mizera, Irena Špendlíková, Jan John and Jan Kučera. As usual in its more recent history, the conference was co organised by the Department of Nuclear Chemistry, Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague (DNC FNSPE CTU), Czech Chemical Society, and Ioannes Marcus Marci Spectroscopic Society. RadChem 2014 was organised in cooperation with the International Atomic Energy Agency (IAEA) and was sponsored by the International Union of Pure and Applied Chemistry (IUPAC). Over its 50+ years long tradition, the conference has gained a good reputation among the researchers in the field of nuclear- and radiochemistry as a platform for the presentations of research results and for the discussions about current issues.

The conference was attended by 320 participants from 43 countries from all parts of the world, from which the most represented countries were the Czech Republic, Russia, Germany, Poland, the USA, Japan and Korea. In total, 413 contributions were accepted for the presentations. The conference covered most of the topical issues in the field of nuclear- and radiochemistry in a total of nine sessions including, among others, radioecology, i.e. the behaviour of radioactive species in the environment, their diffusion, concentration, disposal or their impact on public health; and the radiochemistry application in medicine, especially the production of labelled compounds and radiopharmaceuticals. Other sessions were devoted to radioanalytical methods, radiochemical problems in nuclear fuel cycle, radionuclide production, ionising radiation applications, separation and speciation methods, and to the chemistry of the heaviest elements, i.e. actinides and transactinides. These sessions were complemented with the session focused on the education of new professionals in nuclear- and radiochemistry. Two of the sessions were dedicated to the memory of our colleagues who have recently passed away, and who had participated in the RadChem conference organisation for many years. The session “Radionuclides in the Environment

and Radioecology” was dedicated to the memory of the late Prof. Petr Beneš and the session “Separation methods and speciation” to the memory of the late Prof. Věra Jedináková-Křížová.

The full conference programme is available at the conference web page (www.radchem.cz) together with freely accessible booklet of all accepted abstracts. Approximately 70 contributions that have been selected based on the results of a standard double-blind peer-review procedure are collected in this special issue of the Journal of Radioanalytical and Nuclear Chemistry.

Two prestigious scientific awards were presented during the conference – the international George Hevesy Medal Award, and the new Vladimir Majer Medal Award that was awarded for the first time here. Following sections are devoted to both the Medal Awards and their laureates.

George Hevesy Medal Award is a premier international award for excellence in radioanalytical and nuclear chemistry. It is awarded to an individual in recognition of excellence through outstanding, sustained career achievements in the fields of pure as well as applied nuclear and radiochemistry, particularly applications to nuclear analytical chemistry. Established in 1968 by the Journal of Radioanalytical and Nuclear Chemistry (JRNC), the George Hevesy Medal has been awarded to renowned scientists. At RadChem 2014 conference Prof. Heino Nitsche received the George Hevesy Medal Award in recognition of his international contributions to heavy element chemistry and actinide environmental chemistry.

Prof. Heino Nitsche (*24.7.1949, †15.7.2014) spent almost 30 years in Lawrence Berkeley National Laboratory, Berkeley, California, USA (LBNL) which he joined in 1980 after earning his Ph.D. in nuclear chemistry at Freie Universität Berlin, Germany. In 1993, he returned to Germany and took the lead at Forschungszentrum Dresden-Rossendorf. After 5 years he returned to Berkeley to become a director of newly

founded Glenn T. Seaborg Centre at LBNL and a professor at the University of California, Department of Chemistry. Heino devoted the beginning of his scientific career to the chemical behaviour of actinides in the environment. Later on, he focused on the discovery of new transactinides; his team participated in the confirmation of elements 114 and 117. Recently, he joined projects focused on the application of nuclear forensic methods for the identification of nuclear material origin. Shortly after the end of the conference we received the sad news that Prof. Nitsche unexpectedly passed away on 15 July 2014, only one week before his 65th birthday anniversary.

Vladimir Majer Medal Award is presented by the Nuclear Chemistry section of the Czech Chemical Society to scientists who significantly contributed to the development of nuclear chemistry and/or played a decisive role in the development of the area. The first ever medal was awarded at RadChem 2014 in memoriam to the late Prof. Petr Beneš, former professor and head of the DNC CTU, for his lifelong contribution to the nuclear chemistry development in Czechoslovakia and the Czech Republic.

Prof. Dr. Petr Beneš (*13.7.1938, †7.6.2013) was one of the first graduates of FNSPE CTU. His lifelong scientific career was connected to the Dept. of Nuclear Chemistry which he led from 1986 to 2003. His research was devoted to the development of methods for speciation studies and to the behaviour of toxic elements and radionuclides in surface waters and other components of the biogeosphere. Towards the end of his career he became interested in the applications of spectroscopic methods in speciation analyses and initiated the introduction of Time resolved laser fluorescence spectroscopy (TRLFS) at FNSPE.

The Division's other activities may be summarised by the following points:

- DNRC was actively involved in the preparation of ECC 5 – Istanbul 2014.
- The next NRC conference (NRC9) will be in Helsinki, 28 August – 2 September 2016.
- The most important components of regular business have been editing the DNRC Newsletter and maintaining the DNRC page on the EuCheMS website. The most recent issue of the NEWSLETTER, No. 51, will be downloadable from the EuCheMS website from February 2015.

Chair:	Dr. Nick Evans (Royal Society of Chemistry), 2014
Secretary:	Prof. Jan John (Czech Chemical Society)
Members:	23 active members
Countries:	24 (Bulgaria, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Montenegro, The Netherlands, Norway, Poland, Portugal, Russia, Serbia, Slovak Republic, Spain, Sweden, Switzerland, Turkey, UK)

9. Division of Organic Chemistry

Young Investigator Workshop

The 6th Young Investigator's Workshop took place on August 28 – 30 at Larnaca, Cyprus. 24 young investigators from three continents, representing 21 different nations, 22 academic institutions and two chemical companies participated in this international meeting. The event covered a wide spectrum of topics spanning the frontiers of organic chemistry: total synthesis of natural products, organocatalysis, transition metal catalysis, materials, new reactive intermediates, new chemical space, computations and bioorganic & medicinal chemistry.

The calibre of the science and the warm tenor of the interactions made this workshop a unique and exceptional opportunity for emerging leaders of organic chemistry from

around the world to create friendships, collaborate, share scientific discoveries, experiences & achievements. The dynamic discussions and the combined achievements of the participants exuded the vibrancy of organic chemistry and revealed emerging new frontiers, creative approaches to challenges, and future international scientific leaders.

We deeply thank Nikos Chronakis (Univ. of Cyprus), Savvas Georgiades (Univ. of Cyprus), and Ilan Marek (Technion) for organising the events and hosting the participants. We gratefully acknowledge financial support provided by the Organic Division of EuCheMS, Thieme, Wiley-VCH, Boehringer Ingelheim, Janssen, Bruker, eHeterocycles, University of Cyprus and the city of Larnaca.

Chair:	Prof. Ilan Marek (Israel Chemical Society), 2012-2014
Secretary:	Prof. Veronique Gouverneur (Royal Society of Chemistry), 2012-2014
Treasurer:	Prof. Nick Gathergood (Institute of Chemistry of Ireland), 2012-2014
Members:	27 active delegates
Countries:	27 (Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Latvia, Lithuania, The Netherlands, Norway, Poland, Portugal, Russia, Serbia, Spain, Sweden, Switzerland, Turkey, UK).

10. Division of Organometallic Chemistry

Typically, the main Division activities are in odd years.

26 – 27 March, 2014. Second Nordic »zero-budget« workshop on organometallic chemistry (Host: past DOM delegate Mats Tilset; location: Oslo, participation from Finland, Norway, Sweden, Iceland, New Zealand). www.ctcc.no/events/conferences/2014/nordic-meeting-on-organometallic-chemistry.html

31 August – 4 September 2014: 5th European Chemistry Congress, Istanbul. The DOM delegates were active in proposing topics within the themes “Synthesis and Catalysis” and “Materials”, in proposing topic conveners and invited speakers and in promotion of the meeting. In particular the sessions on catalysis, inorganic synthesis and organic synthesis were well attended, and a majority of the posters in “S&C” fell within the interest domain of the Division. Jan Čermák (Chair), aided by Sylviane Sabo-Etienne and Carmen Claver (conveners of “inorganic synthesis” and “Catalysis”, respectively) selected four posters that were given DOM Top Poster awards at an informal divisional poster awards session on the closing day. The 33rd annual meeting of the DOM was held over lunch on 3 September, with election of a DOM Treasurer and change of Chair.

Short-term future activities include:

- Spring 2015: 3rd Nordic »zero-budget« workshop on organometallic chemistry. (Host: Ola Wendt, location: Lund, Sweden)
- 5 – 9 July, 2015: XXI EuCOMC, Bratislava, Slovakia (Hosts: DOM Chair Jan Čermák and delegate Martin Putala) www.eucomcxi.eu/. 34th annual meeting of the DOM.
- 5 – 9 September 2015: The 10th international school of organometallic chemistry at Camerino, Italy (chair of organisation: Claudio Pettinari).

In the long-term, the Division has foreseen the active planning and execution of divisional activities for the scientific community, including the EuCOMC series on odd years, schools and workshops. The Division also promotes a constructive involvement in the organisation of the scientific programme of upcoming European Chemistry Congresses, when asked by the appointed Scientific chairs and committees and takes part in the EuCheMS policymaking on any matters relating to the large and interdisciplinary field of fundamental and applied organometallic chemistry, including sustainability.

The DOM has since 2014 a budget line within the EuCheMS accounts, and has recently announced the first EuCheMS Prize for Organometallic Chemistry. The winner of this major prize is expected to give a Plenary Lecture at XXI EUCOMC in Bratislava. The vision is for this award to be given regularly, with the first in 2015.

Chair:	Prof. Jan Čermák (Czech Chemical Society), September 2014-2017, renewable Past chair: Prof. Helena Grennberg (Swedish Chemical Society), 2007-September 2014
Secretary:	appointed from regular delegates for each meeting
Treasurer:	Prof. Kees Elsevier (since 2014)
Members:	22 permanent delegates and one observer (from an at present EuCheMS non-member society). Two additional member societies have not appointed a permanent delegate.
Countries:	25 (Austria, Belgium, (Bulgaria, presently non-member), Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Latvia (no appointed delegate), The Netherlands, Norway, Poland, Russia, Slovak Republic, Spain, Switzerland, Sweden, Turkey (no appointed delegate), UK).

11. Division of Physical Chemistry

An effort was made to increase the number of delegates of the Physical Chemistry Division. After the Physical Chemistry Division was established, quite a few Member Societies were in support of our Division, but in several cases no delegate was sent. Furthermore, some EuCheMS Member Societies dropped out and their support was not available any more. Therefore, all Chemical Societies within EuCheMS were contacted by the Division Chair in January 2014. The result is that the number of participating countries sending delegates is significantly increased to 18, with 7 new members. Note that the response of two societies is still pending, so that this number is expected to further increase.

In August 2014 elections for the Division Chair and Vice Chair were held for the term 2015-2017. The result is that Eckart Rühl continues to be the Division Chair (Berlin, Germany, DBG). A new Vice-Chair was elected: Salvatore Coluccia (Torino, Italy, SCI).

Operation of the EuCheMS Electrochemistry Division was closed by EuCheMS in 2012 and the Physical Chemistry Division was asked to include these activities. Close contact was made with the previous Vice Chair of the Electrochemistry Division, Britta Lindholm-Sethson (Umea, Sweden), so that these activities will be covered in the future by the Physical Chemistry Division. As a result, no lack in breadth of subjects covered by EuCheMS will occur.

Since December 2013 intense preparations for the "First European Physical and Theoretical Chemistry Conference" (Catania, 14 – 18 September, 2015) were made. Three face-to-face meetings have been held to date (December 2013, March 2014, and September 2014). A Programme Committee of 16 members was established coming from 13 European countries. Among them are two Nobel Prize winners, who enthusiastically support this activity. There, it is planned that a joint meeting of Physical and Theoretical Chemistry will be held for the first time on a European scale. EuCheMS appears to be the ideal platform for this kind of activity.

Regarding national conferences, EuCheMS Physical Chemistry Division developed a scheme in which national conferences can be adopted and supported by EuCheMS Physical Chemistry Division, provided the scientific quality is sufficiently high. This is a constant offer to all members and member societies of EuCheMS for Physical Chemistry related conferences. This opportunity has been used for the following events:

- Bunsen-Meeting 2014 (Hamburg, Germany): About 650 participants came to this Annual Physical Chemistry Meeting of DBG, among them were people from EuCheMS Member Societies, as in previous years.
- European Symposium on Current Challenges in Supramolecular Artificial Photosynthesis; Date: 10 – 13 March 2014; Location: Jena (Germany); Organiser: Prof. Dr. Benjamin Dietzek (University Jena, Germany).
- Gas Phase Model Systems for Catalysis – GPMC 2014; Date: 7 – 9 April 2014; Location: Ulm (Germany); Organiser: Prof. Dr. Thorsten Bernhardt (University of Ulm)
- Schrodinger Symposium; Date: 26 – 28 November 2014; Location: Vienna, Austria.
- Femtomat-Conference; Date: 10 – 13 March; Location: Mauterndorf, Austria.

Short-term future activities include the above mentioned Conference "First European Physical and Theoretical Chemistry Conference" (Catania, September 2015) is a key activity, besides contributions to the upcoming EuCheMS Chemistry Congress (Sevilla (Spain), 2016). Furthermore, other national conferences will be identified in the near future, which includes present initiatives from Austria, such as the Femtomat-Conference (Mauterndorf, Austria, 16 – 18 March 2015), which are presently under consideration for approval by the Steering Committee of the EuCheMS Physical Chemistry Division.

Concerning future European Physical Chemistry Conferences: It is planned to develop the "First European Physical and Theoretical Chemistry Conference" as a conference series, so that the community in these fields will assemble on the European scale in those years in which no EuCheMS Chemistry congress is offered. This is intended to shape a European community and to tighten the interactions between the EuCheMS Divisions. This, in turn, will be used to shape EuCheMS Chemistry Congresses so that interdisciplinary interactions between the Divisions and Working Parties will be included in the programme of future EuCheMS Chemistry Congresses.

On Teaching and educational standards, a challenging issue that will require more time is to establish educational standards for physical chemistry education at European Universities, so that mobility of young people will be increased and educated people in this field can rely on the transferability of their acquired skills.

Eckart Rühl has been elected into the EuCheMS Executive Board as one of two appointed members proposed by chairs of Divisions.

Chair:	Prof. Eckart Rühl (German Bunsen Society for Physical Chemistry), 2012-2014
Vice Chair:	Prof. Dr. Dusan Velic (Slovak Chemical Society)
Member:	21 active delegates
Countries:	15 (Austria, Cyprus, Czech Republic, France, Germany, Israel, Italy, The Netherlands, Portugal, Slovak Republic, Slovenia, Spain, Switzerland, Turkey, UK).

12. Division of Solid State and Materials Chemistry

The Working Party (Paul Attfield, Antoine Maignan, Martin Jansen), has achieved the Division Status which was approved by the end of 2012. The first meeting with 10 Delegates was held in Bordeaux the 9th of July 2013 during the European Conference on Solid State Chemistry (ECSSC).

As a first point, the Division will continue and organise the traditional series of ECSSC in a biannual mode alternating with EuCheMS congress.

The Delegates decided on a working structure, based on the following bodies:

- Chairpersons (Chair, Vice chair, Secretary)
- An Executive Board, running the daily business. This board includes the Chairpersons and up to five additional delegates, all from different countries.
- The general assembly of the delegates, which shall meet at least during the EuCheMS Chemistry Congresses

After having defined this structure, the elections led to a consensus for the Board, whose composition is indicated below.

Moreover, five additional executive Board members were nominated and elected: T. Rojo, A. Shevelkov, H. Huppertz, M. Reches and S. Lidin.

Also the DSSMC activity has been to provide input to the programme of the 5th EuCheMS Chemistry congress. A webpage for the EuCheMS website is under construction.

Chair:	Prof. Martin Jansen (German Chemical Society)
Vice Chair:	Prof. Paul Attfield (Royal Society of Chemistry)
Secretary:	Prof. Antoine Maignan (French Chemical Society)
Members:	21
Countries:	19

13. Working Party on Chemistry and Energy

The WP Chemistry and Energy was strongly involved in the organisation of two events at the international level: the European Energy Conference (October 2013) and the session on Energy Materials at the 5th EuCheMS Conference (September 2014). Moreover, we started to collaborate with the European Physical Society (EPS), the European Materials Research Society (E-MRS) and the Karlsruhe Institute of Technology (KIT) in the organisation of the Energy Science & Technology Conference in 2015.

Recent activities include Energy Materials Topical Session; 5th EuCheMS Conference – Istanbul, 3 – 4 September 2014. The chairman of the WP was the convener of the Session, which was organised with the support of some WP members who proposed topics and speakers. Four keynote lecturers were invited on the topics of perovskite solar cells (M. K. Nazeeruddin, Lausanne), polynuclear metal catalysts for artificial photosynthesis (M. Bonchio, Padova), supercapacitors (P. Gomez Romero, Barcelona) and batteries (K. Edström, Uppsala). Moreover the session entailed 11 regular talks (15 min), six short oral flash presentations (2 min) and 49 posters. The session was extremely successful, with high attendance and intensive discussions at oral talks.

The chairman, along with the President elect and with the support of the General Secretary are making big efforts to widen the societies represented in the WP and to replace the less active participants. A Swedish and a new German representative have been appointed. Further work is ongoing to engage other delegates in the WP, particularly from The Netherlands, Belgium and possibly other countries.

Short term future activities include the organisation of joint symposia with other Divisions/WPs related to energy topics in the frame of the 6th EUChemS conference that will be held in Seville in 2016; and the contribution to the further development of the Artificial Photosynthesis Project.

In 2015 the 4th EST conference will take place in 20 – 22 May in Karlsruhe, Germany¹⁴.

The Working Party will propose EuCheMS roadmaps on specific energy topics to be proposed to EU for funding in the frame of Horizon 2020.

¹⁴ www.est-conference.com

Chair:	Dr. Nicola Armaroli (Italian Chemical Society), 2011
Members:	13 active delegates
Countries:	11 (Israel, Switzerland, Germany, Cyprus, Spain, Turkey, Portugal, Sweden, Italy, UK, France)

14. Working Party on Chemistry for Cultural Heritage

3rd International Congress in Chemistry for Cultural Heritage (ChemCH-2014) organised by Dr. Manfred Schreiner (Gesellschaft Österreichischer Chemiker) at the Academy of Fine Arts in Vienna from July 1 to July 5, 2014

More than 150 participants coming from countries all over Europe, from USA, and Japan attended the 3rd International Congress in Chemistry for Cultural Heritage, ChemCH-2014. The congress was a great success and several participants expressed their satisfaction and their wish of joining the third conference to be organised 2016.

The 4th International Congress of Chemistry for Cultural Heritage, ChemCH-2016, will take place in Brussels from 5 to 9 July, 2016. The congress will be arranged by The Belgian Société Royale de Chimie in collaboration with the Royal Institute for Cultural heritage (IRPA-KIK) – Dr. Jana Sanyova and the Chemistry department of the Antwerp University – Prof. Koen Janssens.

Moreover, Yvonne Fors (Sweden Chemical Society) proposed to organise the 5th edition in Gothenburg (Sweden) in 2018.

Chair:	Prof. Rocco Mazzeo (Italy)
Members:	14 active members
Countries:	12 (Austria, Belgium, Croatia, Denmark, France, Germany, Macedonia, Romania, Russia, Sweden, Turkey, UK).

15. Working Party on History of Chemistry

The Working Party on the History of Chemistry organises an international conference on the history of chemistry every other year.

The Working Party also organised a session during the European Symposium in the History of Science, held in Lisbon, 4 – 6 September 2014, devoted to the translation and appropriation of Pauling's ground breaking textbook "The Nature of Chemical Bond" in post WWII European chemical curricula. The session was co-sponsored by the Commission for the History of Modern Chemistry.

The 2015 edition of ICHC will take place in Aveiro, Portugal, 9 – 11 September, hosted by the Portuguese Chemical Society and the University of Aveiro.

Ongoing activities include renewing national delegation, and recruiting new delegates from countries not yet represented; connecting to the other EuCheMS Divisions, and participating in EuCheMS activities; and appointing observers from other institutions and groups devoted to the history of chemistry

Chair:	Dr Brigitte Van Tiggelen (Royal Chemical Society, Belgium), 2013
Vice Chair:	Professor Annette Lykknes (Norwegian Chemical Society), 2009
Members:	26 active delegates, 150 members
Countries:	18 (Austria, Belgium, Czech Republic, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, The Netherlands, Norway, Portugal, Russia, Spain, Sweden, UK)

16. European Young Chemists' Network

The European Young Chemists' Network (EYCN) connects all of the young members of EuCheMS societies in Europe. In September, EYCN delivered a full programme of transferable skills specifically designed by and for young chemists, EYCN Career Days, during the 5th EuCheMS Chemistry Congress in Istanbul.

The programme – “Creating a Successful Career” – contained lectures about scientific oral and writing skills, personal branding and career development. In addition, workshops were held on CV design, leadership, and research funding in Germany. These were extremely well received by the conference participants and by the members of the scientific committee. Furthermore, the presentations from the finalists of the European Young Chemist Award were held. Prof. Bruno Pignataro chaired the session and an international jury including Prof. Luisa DeCola, Prof. Maurizio Prato and Prof. Barry Trost judged the competition.

Following on from the success story of Prague, a social programme including a career networking reception, organised with the career services of the German Chemical Society, created the ideal opportunity for young chemists to connect with HR managers from different chemical companies such as BASF, Bayer and TCI Europe, and publishing houses such as the Royal Society of Chemistry, Wiley-VCH and the American Chemical Society. Once again, the Research in Germany Council (DFG) showcased many opportunities for a future career in Germany. This was a great opportunity for young chemists to find information on the different options available to chemists, and was particularly enjoyed by the six American young chemists who attended the EuCheMS Congress as part of the EYCN and the ACS-Younger Chemists' Committee (ACS-YCC) Young Chemists Crossing Bor-

ders exchange programme (YCCB). The next round of this competition, to send six European Chemists to Boston for the 250th ACS National Meeting & Exposition in August 2015, will open in November.

The EYCN programme finished on a high with Professor Luisa DeCola introducing the fascinating chemistry of chocolate to a full room with, of course, complementary samples of different kinds of chocolates from all over Europe.

Thanks to the continued successes of the EYCN Career Days, the first steps for another edition during the 6th EuCheMS Chemistry Conference in Sevilla 2016, have already been taken. For more updates on EYCN projects and pictures of our events in Istanbul, please visit our website and facebook page .

In April, 28 representatives of EYCN member societies gathered together for the 9th Delegates Assembly in Bucharest, Romania. Main agenda points included an overview of the national activities, planning the 5th ECC satellite event, EYCN governance affairs and forging links with new and already existing partners.

Poster awards were given during two young chemists symposia respectively organised by the Young Division of the Royal Spanish Chemical Society and the young members of the Royal Society of Chemistry. These poster awards acknowledge excellent research performed by young chemist and increases the visibility of their work.

Short-term future activities include the organisation of the 10th Delegates Assembly, April 2015, Berlin and the 6th EuCheMS Chemistry Congress in Seville 2016.

Chair:	Frédérique Backaert (Royal Flemish Chemical Society), 2013
Secretary:	Aurora Walshe (Institute of Chemistry of Ireland), 2012
Treasurer:	Frédérique Backaert (Royal Flemish Chemical Society), 2013
Countries:	21 (Austria, Belgium, Czech Republic, Finland, France, Germany, Hungary, Ireland, Israel, Italy, The Netherlands, Poland, Portugal, Romania, Russia, Serbia, Spain, Sweden, Switzerland, Turkey, UK).

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