



EuChemS

European Chemical Society

EuChemS Divisions/WP: report and looking forward

Marco Arlorio

General Assembly 2018

Liverpool, UK



Division of Analytical Chemistry

Chair: Slavica Ražić

Activities:

- DAC has active **Study Groups** in the following areas:

- Bioanalytics; Chemometrics; Education; History; Nanoanalytics; Quality Assurance

- DAC produced one “**End-of-the-year Letter**” and the “*European Analytical Column*”.

As a part of the EuChemS Division of Analytical Chemistry (EuChemS-DAC) **Strategy for 2018-2020** there are a few additional themes worth mentioning:

- *developing the profile of Analytical Chemistry*
- *enhancing the activities of Study Groups and Task Forces and*
- *encouraging co-operation with other EuChemS divisions*

Events:

- **EUROANALYSIS XX in 2019** is in Istanbul (Turkey) (1-5 September)

- **EUROANALYSIS XXI in 2021** will be in Maastricht (The Netherlands).

Division of Chemical Education

Chair: Iwona Maciejowska

Activities:

- **Monthly DivCEd Newsletter** has been published and disseminated among members of the Division.
- Over **20 national reports** which described situation in chemical education in member countries (achievements, problems, changes, challenges) have been collected and will be published on the DivCEd website.
- **Quality mark for pre-service teacher training** - a DivCEd working group and cooperation with the Standing Committee on Quality in Teaching of the ECTN (European Chemistry Thematic Network) have been established.
- DivCEd working group has cooperated with Dr. Jan Mehlich and Working party on Ethics in Chemistry in **preparation of an online course 'Good Chemistry - Methodological, Ethical and Social Dimensions'**
- DivCEd **working group devoted to International Year of Periodic Table has just started** under leadership of Prof. Jan Apotheker.



Events:

- **14th European Conference on Research in Chemical Education will be held in Warsaw, 2-6 September, 2018.** About 100 contributions will be presented.
- The Chemistry Teacher International – the **new joint practice oriented journal of CCE IUPAC and DivCED EuChemS has been created.** Teachers of all levels (including university) can submit articles using this link: <https://mc.manuscriptcentral.com/chemistryteacher>

Division of Chemistry and the Environment

Chair: Ioannis Katsoyiannis

Activities:

Chair of DCE, Prof. Katsoyiannis was appointed member of the committee for the selection of *historical landmarks in Chemistry*

Events:

- **Meeting** held in Thessaloniki in Greece on March 3, 2018. Summer meeting will take place in Liverpool on August 25.
- **Upcoming Divisional Conference** to take place in **Thessaloniki, 16-20 June 2019.**
- The following will take place in **Venice in 2021.**

Division of Green and Sustainable Chemistry

Chair: Nicholas Gathergood

Activities:

- The DGSC will be **participating at the DOC Young Investigator Workshop at the University of Oxford in 2018.**
- Succession planning the election of the next Chair has been completed. Congratulations **to Prof. Ana Aguiar-Ricardo who will become the next DGSC chair in January 2019**

Events:

- **The 2019 DGSC Divisional conference will be held in Tarragona, 22-25 September 2018.** The conference chair is Prof. Arjan Kleij and further details are available at: <http://eugsc4.iciq.es/>

ESCA (award): The assessment panel has been selected and consists of Nicholas Gathergood (DGSC chair), Santiago V. Luis (DCE chair), and 2 delegates from each Division. **The deadline for applications was 15 July 2017, and the announcement of the award winner was made in January 2018. The recipient, Prof. Paul Dyson, was invited to give a talk and receive the award at the ECC7 in Liverpool.** He is also invited to give a plenary lecture at the 2019 DGSC conference. The next ESCA will be awarded in 2020, with an application deadline Summer 2019.

Division of Chemistry in Life Sciences

Chair: Sonsoles Martin Santamaria

Activities:

The Division is making great efforts to **promote more scientific activities** under the EuChemS “umbrella” at **the frontier of Chemistry with Biology and Biomedicine**

Events:

- **EuChemS Session on “Glycans in Medicinal Chemistry: Carbohydrate-Based Vaccines” at the XXV International Symposium on Medicinal Chemistry** organised by the European Federation Medicinal Chemistry (EFMC-ISMIC 2018), scheduled to take place on **2 – 6 September 2018 in Ljubljana, Slovenia**.
<https://www.efmc-ismc.org/programme>
- **XIV-EPI/IV-Chemical Biology RSEQ Division 2018 (5 – 7 February 2018, Barcelona, Spain):**
<https://eventum.upf.edu/10279/detail/16th-iberian-peptide-meeting-and-4th-chembio-group-meeting-barcelona.html>
- **MicrobiotaMI-2018.** This international event is organized as the final event within the European MSCA-ETN project TOLLerant and it will focus on molecular aspects of microbiota-host interaction in health and disease: <https://microbiotami.com/>
- **Division Meeting in 2019:** Joint Division “Chemistry in Life Sciences” meeting The 6-ECBS/LS-EuChemS Joint meeting is organized by the EuChemS Division of “Chemistry in Life Sciences Division” and the EU-OPENSOURCE platform. **3rd-5th April, 2019. Madrid, Spain.**



Division of Computational and Theoretical Chemistry

Chair: Peter Szalay

Events:

- The main event of the Division is the **biannual conference series European Conference on Theoretical and Computational Chemistry**. The 11th edition took place on **4-7 Sept 2017 in Barcelona** (see <http://www.11euco-tcc.org/>)
- The next edition of the European Conference on Theoretical and Computational Chemistry will take place next year between the **1-5th September 2019 in Perugia, Italy**.
- In addition to the regular programme of the conference where Computational Chemistry is represented by a thematic session, it has been decided that a **specialised workshop on method development would be organised**. The Division's contribution to EuChemS conference is a thematic session on Computational Chemistry, as well as a **special Symposium on method development entitled Methods in computational chemistry: Challenges and new developments**.
- This **year's Division meeting will take place during the EuChemS Chemistry Congress** (Liverpool, 28 August, at 1 p.m., **2018**)

Division of Inorganic Chemistry

Chair: Anna Trzeciak

Events:

- **4th European Inorganic Chemistry Conference (EICC-4), 2-5 July 2017 in Copenhagen, Denmark.** The conference was organised jointly by the chemical departments of the University of Copenhagen and the Technical University of Denmark as well as the Danish Chemical Society on behalf of the EuChemS Division of Inorganic Chemistry. There were 270 participants at the conference, coming from 34 countries of which were 22 European countries. 28 participants were from non-European countries.
- The main point on the Agenda was the decision on the locations of future EICC Conferences in 2019 and 2021.
- **EICC-5 Conference in 2019: Moscow**
- **EICC-6 Conference in 2021: Vienna**

Division of Nuclear and Radiochemistry

Chair: Jon Petter Omtvedt

Activities:

The NRC network aims at coordinating Nuclear and Radiochemistry education in Europe (and elsewhere) and have many common interests with the Division. It should be pointed out that the NRC network focus solely on education and training, but the Division covers all aspects where nuclear and radiochemistry is applied or researched.

Events:

- The division organises a **radiochemical conference every other year**. This year it was the RadChem conference series which maintains an almost 60 years tradition of hosting a wide-scope radiochemistry conference in the Czech Republic. RadChem is arranged every fourth year. **RadChem'2018 was successfully completed between 13 and 18 May (Czech Republic).**

During RadChem'2018 **the Division's Annual Meeting** the future of the newsletter was discussed, and it was agreed that the format is outdated and that we should replace it with something more "modern" that conveys news quicker and more effectively (e.g. Facebook or other similar social media). In addition, the Annual Meeting had a representation of the activities of the NRC Network by its chair Prof. Clemens Walter.

- In **2020 the 10th NRC conference will be hosted by Manchester University, UK: NRC-10**. It is scheduled for 24th to 28th of August 2020.



Division of Organometallic Chemistry

Chair: Jan Čermák

Activities:

Since the Division is determined to continue the presentation of the **European Prize for Organometallic Chemistry**, preparations were made for the next **call for nominations that should be announced by the end of 2018. The award ceremony takes place on the occasion of EuCOMC conferences.**

In 2019, the third prize in the series is expected to be awarded.

Events:

- The activities of the Division in this year are mostly limited to preparations. Preparations are being made for the main d **Divisional conference, 23rd EuCOMC (EuChemS Conference in Organometallic Chemistry) which will be organised in Helsinki, 16 – 20 June 2019.**
- Preparations are also underway for the next event in the series of International **Schools of Organometallic Chemistry in Italy** (originally in Camerino, the last event was held in San Benedetto del Tronto) taking place also biennially in years of EuCOMC conferences.

Division of Physical Chemistry

Chair: Wolfgang Kautek

Events:

Scientific Exchange: Conferences and Workshops

- **The 3rd Erwin Schrödinger Symposium 2018 “Progress in Interfacial Nanosciences”** was recently organised (July 2 - 4, 2018) at Dornbirn, Austria (www.esg-nano.ac.at/?p=interfacial-nanosciences).

- The **8th European Conference on Applications of Femtosecond Lasers in Materials Science (FemtoMat 2019)**, a topical conference devoted to the present status and application of femtosecond lasers in materials science is being prepared again in collaboration with the Austrian Erwin Schrödinger Society for Nanosciences (www.esg-nano.ac.at).

- The biannual EuChemS Physical Chemistry Conference, **the 3rd European Conference on Physical Chemistry (ECPC19)** is being planned together with the 118th General Assembly of the German Bunsen Society for Physical Chemistry, **30.05.2019 – 01.06.2019, at the University of Jena, Germany.**

Division of Solid State and Materials Chemistry

Chair: Paul Attfield

Activities:

Following discussions about how to extend the breadth of materials activities within DMSSC and EuChemS in general, **the Chair will contact representatives of E-MRS to investigate possible cooperation in activities of mutual interest** such as chemistry-themed sessions at E-MRS meetings (action is in progress).

Events:

The scientific programme for the **17th European Conference on Solid State Chemistry (ECSSC) to be held in Lille during 1-4 September 2019** is being planned. **The main topics for the conference cover a broad range of solid state and materials chemistry:** advances in Solid State Materials Synthesis; Functional Materials; Crystalline and Disordered Compounds; Glasses Materials Design; Electrochemistry, Energy; Nanomaterials and Thin Films; Quantum Materials Hybrids; Micro/Mesoporous Materials Nitride; Chalcogenides and Mixed Anion Compounds; Advanced Characterisation Techniques

Division of Food Chemistry

Chair: Marco Arlorio

Activities:

- Chair of FCD, Prof. Arlorio, was appointed member of the Executive Board of EuChemS
- **FCD is working on the identification of Study Groups**, covering the main topics in Food Chemistry area, improving the collaboration with other Divisions
- **FCD EuCheMS Position on Trans Fatty Acids, submitted to EU Commission's Public Consultation**
- **FCD is drafting a Position Paper on the role of Food Chemistry** in "Food Science and Modern Society" and planning the "First Advanced School in Food Chemistry (2019)"

Events (2017):

- EuroFoodChem XIX Conference, October 2017 4-6th, Budapest (Hungary); Chair: Livia Simon Sarkadi
- Chemical Reaction in Foods VIII, 15 – 17 February 2017, Prague (Czech Republic), co-organised by ICT Prague, University of Piemonte Orientale and FCD-EuCheMS
- CoCoTea2017, 25 – 28 June 2017, Turin (Italy), organised by University of Turin, University of Piemonte Orientale and FCD-EuCheMS
- IVAS (In Vino Analytica Scientia), 17 – 20 July 2017, Salamanca (Spain) - endorsed Event
- 5th MS-Food Day; 11 – 13 October 2017, Bologna (Italy) - endorsed Event

Events (2018-2021):

- **42th FCD Annual Meeting November 2018, Novara (Italy)**
- **CoCoTea 2018, 17-19th October ASIA2018, Hefei (China).** Chair: Xiaochun Wan
- **EuroFoodChem XX 17-19th June, 2019 Porto (Portugal).** Chair: Beatriz Oliveira
- **CoCoTea 2019, 26-28th June 2019, Bremen (Germany).** Chair: Nikolai Kuhnert
- **Pigments in Food 2020** (date and venue to be decided at the FCD Meeting in November 2018)
- **EuroFoodChem XXI, 2021, Belgrad (Serbia)**

Division of Organic Chemistry

Chair: Prof. Veronique Gouverneur (end of service September 1st 2018)

Incoming Chair: Prof. Gianluca Maria Farinola (starting September 1st 2018)

Activities:

- **Agreements have been tied up with the American Chemical Society and the Canadian Chemical Society to support participation of young researchers from the two societies to the Young Investigator Workshop of the Organic Chemistry Division**, and to invite two selected European YIs to one of their meetings.

-EurJOC has awarded the YI **Allan Watson (UK) the YIW 2018 award.**

- **Synlett publishes a special issue with the contributions of the YI participating to the YIW.**

- **A special issue of Monatshefte für Chemie (Chemical Monthly) dedicated to the EuChemS Organic Division will be published in 2018.**

- **Election of the new President (Gianluca Maria Farinola) on February 2018.**

- A priority activity for the next year is the extension of the **bilateral agreements to other societies** (Africa, Australasia, China, Japan, South America), **to promote exchange of young participants to YIW.**

Events:

- The flagship activity of the Organic Chemistry Division is the **Young Investigator Workshop (EuChemS-OD-YIW)** . The YIW 2018 was held in Oxford (UK), Merton College August 23-25, Chair Prof. V. Gouverneur- with 27 participants (one per member country) and two young researchers from the USA and one from Canada.
- **The 21th European Symposium on Organic Chemistry (ESOC 2019) will be held in Vienna (July 14-18 2019, Chairs Prof. N. Maulide and Prof. M. Schnürch)**
- The organization of the **EuChemS-OD-YIW 2019 is in progress.**

Working Party on Chemistry and Energy

Chair: Aline Auroux

Activities:

The leadership of the Working Party on Chemistry and Energy changed in January 2018 with the election of **Dr. Aline Auroux who succeeded Dr. Nicola Armaroli as Chair**. The last few months have seen renewed consultations among the members of the Working Party and the arrival of **new members (KVCV, Serbian Chemical Society)**.

The WP leadership is currently working to organise a meeting of the group next summer during the 2019 IUPAC meeting in Paris.

The various members of the Working Party have been participating in the organisation of a number of events on Chemistry and Energy in their respective countries.

Working Party on Chemistry for Cultural Heritage

Chair: Rocco Mazzeo

Activities:

Contacts have been established with colleagues from Spain and Norway in order for them to evaluate their possible participation in the WP.

Events:

5th Congress on Chemistry for cultural heritage (CHEM-CH 2018, 3-7 July 2018, Bucarest, Romania) was a great success (175 participants coming from 22 countries, including Mexico, Singapore and China), thanks to the perfect organisation of dr. Elena Badea, Romanian representative in WP.

It has been decided that the **6th edition of the Chemistry for Cultural Heritage Congress (CHEM-CH 2020) would be organised in Ravenna (Italy) 7-10 July 2020**

Working Party on Ethics in Chemistry

Chair: Hartmut Frank

Activities:

The EuChemS working party on Ethics in Chemistry is currently working in collaboration with Dr Jan Mehlich, and the Division of Chemical Education to develop an *online course* on “Chemistry and Ethics” which will be hosted on a new EuChemS Moodle platform.

The WP suggested collecting and sorting the ethically relevant aspects and challenges that chemists see themselves confronted with. The chair persons and several other representatives of the EuChemS Division of Physical Chemistry for example are supporting this action by designing and planning University courses with the working title "*Ethics in Chemistry*" at their Universities.

The overall objective of these courses is to contribute to the education of young researchers and scientists as important enactors of progress and influential decision-makers in the future. Skills to reflect on and deal with the major contemporary challenges in society and environment will be taught and trained.

The course will be piloted by a select number of Universities from October to December 2018

Working Party on History of Chemistry

Chair: Brigitte Van Tiggelen

Activities:

- The Working Party on the History of Chemistry celebrated its 40th anniversary in 2017.
- **Survey on the teaching of history of chemistry: TBy updating the 2007 report and preparing an overview on the history of chemistry in Europe**, the WP wanted to evaluate the current situation and help to identify how best to support and reinforce local, national and international initiatives. **(Publication: “The Mapping of the Teaching of History of Chemistry in Europe”**, by I. Suay-Matallana and JR Bertomeu Sánchez, J. Chem. Educ., 2017, 94 (2), pp 133–136 (access through the website).
- **The WPHC collaborates regularly with several division** (DivChemEd, Ethics in Chemistry f.i.) and contributes to a number of programmes, focusing this year on the EuChemS Historical Landmark: - **chairing the selection committee ; organising a public session on the “Cultural Heritage of Chemistry” at the ECC7 Liverpool**
- **In the frame of the IYPT, the WPHC supports EuChemS’ project whenever historical input is required** (for instance IYPT EuChemS Periodic Table for Schools) and leads a series of initiatives:
 - **a collective book devoted to Women the PT and the elements**
 - **International Symposium, Murcia, Spain, February 11-12, 2019** “Setting their tables – Women and the Periodic Table of the elements”
 - **Satellite symposium to XXI Mendeleev Congress “Celebrating D.I. Mendeleev’s Periodic System. A Historical Perspective”**, St Petersburg, Russia, September 10-13, 2019.
 - a series of contribution in chemistry journal



EuChemS General Assembly 2018

Events:

- The WPHC organises **an international conference on the history of chemistry every other year.**
- **The 11th International Conference on History of Chemistry (11ICHC) was held in Trondheim, Norway, 29 August-2 September 2017.** The 11ICHC was attended by 111 participants, making it one of the highest attended conferences in the history of the ICHC. Participants came from Australia, Taiwan, Japan, China, Mexico, Canada, USA and most European countries. Historians and philosophers of science, professional chemists, current and prospective science teachers, came together to present and discuss on-going research in the history of chemistry broadly construed.
- **Next conference 12ICHC will take place in Maastricht, The Netherlands, 29 July -2 August 2019.**

Thank you for the kind attention....

(Thanks to our Office in Bruxelles....)



EuChemS General Assembly 2018

