

duce themselves to participants using a "speed dating" concept. In a following workshop, YO's will assemble and work on projects in line with the themes of the WCLM. Finally, a symposium featuring outstanding speakers will be capped with a panel discussion and a report by the YO's on possible IUPAC projects. The programme will be as follows:

Monday Evening, July 10: Reception for YO's hosted by IUPAC Divisions and Committees to introduce WCLM activities. This will be done in a speed-networking format in which we will have a round table discussion at each station with representatives from each Division/Committee and up to 10 YO's in each discussion. This networking opportunity will continue and extend during the reception held with the International Young Chemists Network and around their poster session (To learn more about IYCN, see feature page 4).

Tuesday Morning, July 11: Following a workshop with ISMC and ICGCSD representatives, the YO teams will work with IUPAC volunteers to develop their ideas into a presentation for the WCLM.

Wednesday Morning, July 12: Plenary presentations will be made by noted leaders from academia and industry. Presentations from YO teams will be given to the assembled audience. Group discussions and identification

of highest priority tasks will take place.

Post-GA Activities: Outcomes from the WCLM will be as a means to develop interdisciplinary projects. YO's will be encouraged to participate in working groups and newly formed project teams.

References

1. A. Palermo, "Future of the Chemical Sciences", RSC Report, 2015, www.rsc.org/globalassets/04-campaigning-outreach/campaigning/future-chemical-sciences/future-of-the-chemical-science-report-royal-society-of-chemistry.pdf.
2. Stephen A. Matlin, Goverdhan Mehta, Henning Hopf and Alain Krief, "One-world chemistry and systems thinking", *Nature Chemistry* 2016, **8**:393
3. G. Whitesides, "Reinventing Chemistry", *Angew. Chem. Int. Ed.* 2015, **54**:3196-3209

<https://iupac.org/project/2016-032-2-020>



Trace Elements Analysis of Environmental Samples with X-rays

Zurich, Switzerland, 16-20 July 2017

The use of X-ray methods for the analysis of trace elements in environmental samples has become a modern tool for scientists around the world. With dedicated instrumentation, X-ray analyses of trace elements in environmental matrices can be successfully performed both at synchrotron facilities and in the lab.

This Symposium aims to inform the audience about the most recent developments in trace elements analysis in environmental samples with X-rays, available both at synchrotron beamlines and as laboratory instrumentation. In particular, the latest developments in X-ray technology (sources, optics, detectors) and sample preparation will be presented, as well as new X-ray based analytical methods for the analysis of trace elements in the environment.

New developments in the fields of X-ray diffraction, X-ray fluorescence, and X-ray absorption will be dis-

cussed, in both 2D and 3D applications, with a special emphasis on spatially resolved microscopic and submicroscopic analyses of minor and trace elements in environmental matrices.

The Symposium will be organized in oral and poster sessions, with invited keynote lectures. Three poster prizes, including an award certificate and prize money, will be awarded by IUPAC Division VI to young participants.

The Symposium, co-sponsored by IUPAC Division VI, Chemistry and the Environment, and by Bruker Nano GmbH, is part of the International Conference on the Biogeochemistry of Trace Elements (ICOBTE 2017)–www.icobte2017.ch

This Symposium is part of a project task group which includes Roberto Terzano (IT, chair), Koen Janssens (BE), Ryan Tappero (US), Melissa Anne Denecke (UK), Gerald Falkenberg (DE), David Paterson (AU), Bradley Miller (US), Armin Gross (DE), and Fang-Jie Zhao (CN)

<https://iupac.org/project/2016-019-2-600>