



International
Association for
Environmental
Analytical
Chemistry



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

38th INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL ANALYTICAL CHEMISTRY

With special sessions on
Environmental Analytical Chemistry
and Food Safety

June 17 - 20, 2014

The Swiss Tech Convention Center
EPFL, Lausanne / Switzerland



www.iseac38.ch



The International Association of Environmental Analytical Chemistry

IAEAC

The International Association of Environmental Analytical Chemistry had its beginnings in 1971 with a scientific meeting, organized to provide a forum for how analytical chemists might contribute to the recent “environmental revolution”. Now, since 42 years, it has had a long and successful lifetime, morphing from that initial meeting into an organization that has a worldwide impact. The main event organized by the IAEAC is the International Symposium on Environmental Analytical Chemistry (ISEAC)

International Symposium on Environmental Analytical Chemistry. Dates and Locations:

<u>Meeting</u>	<u>Year</u>	<u>Location</u>	<u>Meeting</u>	<u>Year</u>	<u>Location</u>
1	1971	Halifax, NS, Canada	20	1990	Strasbourg, France
2	1972	Halifax, NS, Canada	21	1991	Jekyll Island, GA, USA
3	1973	Athens, GA, USA	22	1992	Dortmund, Germany
4	1974	Basel, Switzerland	23	1993	Jekyll Island, GA, USA
5	1975	Jekyll Island, GA, USA	24	1994	Ottawa, Canada
6	1976	Vienna, Austria	25	1995	Jekyll Island, GA, USA
7	1977	Lake Lanier, GA, USA	26	1996	Vienna, Austria
8	1978	Geneva, Switzerland	27	1997	Jekyll Island, GA, USA
9	1979	Jekyll Island, GA, USA	28	1998	Geneva, Switzerland
10	1980	Dortmund, Germany	29	1999	Jekyll Island, GA, USA
11	1981	Jekyll Island, GA, USA	30	2000	Espoo, Finland
12	1982	Amsterdam, Netherlands	31	2001	Jekyll Island, GA, USA(*)
13	1983	Jekyll Island, GA, USA	32	2002	Plymouth, England
14	1984	Barcelona, Spain	33	2004	Toronto, Canada
15	1985	Jekyll Island, GA, USA	34	2006	Hamburg, Germany
16	1986	Lausanne, Switzerland	35	2008	Gdansk, Poland
17	1987	Athens, GA, USA	36	2010	Roma, Italy
18	1988	Barcelona, Spain	37	2012	Antwerpen, Belgium
19	1989	Jekyll Island, USA	38	2014	Lausanne, Switzerland

(*) - Scheduled but not held

Prof. Dr José A. C. Broekaert, President of the IAEAC:



On behalf of the International Association of Environmental Analytical Chemistry (IAEAC) I invite you to take part in the 38th International Symposium on Environmental Analytical Chemistry with a special session on Environmental Analytical Chemistry and Food Safety, to be held June 17 – 20, 2014 at the Swiss Tech Convention Center at the Ecole Polytechnique Fédérale de Lausanne (EPFL) in Lausanne/Switzerland. The Symposium will bring together both established and young researchers in academia, public and industrial laboratories involved in the field of environmental analytical chemistry,

instrument manufacturers involved in the development and distribution of analytical instrumentation for elemental, molecular substances and species which are relevant substances for the field as well as practicing analytical chemists involved in applications of the methods for environmental health including food safety. The meeting will include lectures, poster sessions and an exhibition and accordingly provide for ample possibilities for the distribution of knowledge on latest developments in methods for environmental chemical analysis, for the setup of research platforms in an interdisciplinary context for tackling challenges arising from concerns for environmental health in the broadest sense and for initiating new collaborations for research and regulatory measures on a global scale. It is fine to look forward for many established scientists active in the field of environmental analysis, for the leading companies involved in the development of instrumentation for the field and in environmental issues as well as young researchers eager to enter this challenging field of working to meet in Lausanne.

Chairmen of the Symposium

Dr. Luiz Felipe de Alencastro (EPFL – Central Environmental Laboratory)



Prof. Dr. Markus Fischer (University of Hamburg - Hamburg School of Food Science)



Program of the Symposium

The central theme of the ISEAC series of conferences is the innovative use of analytical methods for the investigation of environmentally relevant materials and problems. The program of ISEAC-38 will consist of invited lectures, oral contributions and poster sessions. Session topics will be either method-oriented or problem-oriented. In particular, we welcome contributions that cover the full range of the ISEAC scope: challenges from the environmental field, methods developed in the environmental and in the food domains and new insights through multidisciplinary interaction and upcoming emerging technologies for environmental and food analysis. Your active participation is highly encouraged. Oral and poster contributions are welcomed.

	Environment	Food Safety
June 17 th morning	Analytical challenges	Rapid Technologies
June 17 th afternoon	Sampling strategies	Genomics & DNA-based Analytics
June 18 th morning	Multiscreening Methods	Contaminants & Residues in Food
	Postertalks	Postertalks
June 18 th afternoon	Elements and Isotopes	
June 19 th morning	<i>Think Tank: Food safety in a global market</i> Challenges for authorities, food industry and analytical strategies	
June 19 th afternoon	Emerging Technologies 1	
June 20 th morning	Emerging Technologies 2	

The main target attendants at the ISEAC 38 are:

- All the scientists involved in the development and use of analytical chemistry methods applied to pollutants in environment and food, both in universities, research centers and control laboratories;
 - People responsible of the environment and safety aspects in public and private companies;
 - Managers in charge of environmental protection and food safety in public administrations and private companies.
- Attendants will come mainly from Europe, but also from North and South America and Asia.

During the meeting, the “**Roland W. Frei Award**”, sponsored by the IAEAC will be given to the best poster presented by a young scientist. A special issue of the International Journal of Environmental Analytical Chemistry devoted to the symposium will be published, containing the papers presented, after reviewing according to Journal instructions. An exhibition of the most recent developments in analytical instrumentation, chemicals and materials will be organized.

We hope to meet you in Lausanne.

Contact and information: <http://www.iseac38.ch/> E-mail: iaeac@bluewin.ch

Ecole Polytechnique Fédérale de Lausanne Swiss Tech Convention Center



The EPFL (<http://www.epfl.ch/index.en.html>)

The Ecole Polytechnique Fédérale de Lausanne, EPFL, is Europe's most cosmopolitan technical university. It receives students, professors and staff from over 120 nationalities. With both, a Swiss and an international calling, it is therefore guided by a constant wish to open up; its missions of teaching, research and partnership impact various circles: universities and engineering schools, developing and emerging countries, secondary schools and high schools, industry and economy, political circles and the general public.

Interview of Prof. Dr Patrick Aebischer, President of the EPFL.



M. President, at EPFL, environmental studies and research begin as early as in 1972, now, 40 years later, what is the importance of environmental studies and research at EPFL ?

Patrick Aebischer : As the school grows, environmental studies and research grows with it. For example, the Environmental Chemistry Laboratory, directed by the young and brilliant Tamar Kohn, is exploring micropollutants and their role in the environment, thus continuing parts of the significant

research done by Joseph Tarradellas during more than 30 years. This research, which is realized in collaboration with the Central Lab directed by Luiz Felipe de Alencastro, is of vital importance for our society and our environment.

M. President, why EPFL is interested to greet the IAEAC and the 38th International Symposium in Environmental Analytical Chemistry ?

Patrick Aebischer : EPFL is honored to have IAEAC at EPFL and both organizations will benefit from this alliance. IAEAC's commitment to scientific excellence and exchange complement EPFL's engagement to society and the scientific community.

M. President, could you please present the Swiss Tech Convention Center at the EPFL.

Patrick Aebischer : Starting in April 2014 - workshops, conferences and business conventions will have an ideal location on the EPFL campus thanks to this 225 million Swiss franc project financed with a public-private partnership with Credit Suisse. The cherry on top of the cake, the building will also serve as a demonstration for one of EPFL's most innovative technologies: the dye sensitized solar cells from Michael Graetzel.