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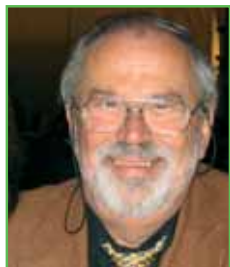
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Message from the President



Dear member of the International Association of Environmental Analytical Chemistry,

It is my pleasure to write again a letter to you using as an “envelope” Newsletter No. 39. This time the envelope, as you can see, looks rather bulgy because besides reports, previews, and a few other contributions it contains the CV’s of IAEAC members who have agreed to be candidates for the elections due at the 15th General Assembly in Rome/Italy in October this year.

Let me start with the reports. You may take from the different contributions that the period between June 2009 and March 2010 has been a quite successful one for the IAEAC. The 4th edition of RAFA (Nov. 4–6, 2009; Prague/CZ) was certainly the peak event in this obviously very attractive series of IAEAC activities (www.rafa-iaeac.com). The first step of the IAEAC into the PITTCON symposium scheme deserves a special mention. With a 3 hrs. set of lectures on “New Miniaturized Spectroscopic Techniques for Environmental Analysis” (March 3, 2010; Orlando/Florida, USA) we could possibly open the door for a future

collaboration with PITTCON such strengthening our presence in North America.

I think we all are paying great respect to those colleagues who organized these events and I would like to thank them all for the successful collaboration with the IAEAC. In this context I honestly regret the resignation of Prof. Michel Nielen (RIKILT, Wageningen, The Netherlands) from our Extended Executive Committee (EEC). Michel has been active for the IAEAC for about 25 years and has served as a member of the EEC for almost 8 years. In this function he had a strong influence on the organization and scientific orientation of the RAFA meetings. We respect his decision to resign and wish him all the best for his future scientific career and private life. In the new Committee to be elected another esteemed colleague will be missing, namely Prof. Robert Burk (Carleton University, Ottawa/Ontario, Canada) who is going to resign by October 2010 for professional reasons. However, he will stay connected to the IAEAC through his function as the

Prof. Dr Michel Nielen



Prof. Dr Robert C. Burk,

Regional Editor of our journal (IJEAC). We thank Bob for a six years’ engaged collaboration in a spirit of mutual trust and friendship.

The previews presented show that this year all major IAEAC activities are planned for the period September to November. As far as Rome and Southern Italy as host regions are concerned climatic reasons may have played a role for this situation. For next year the organization of two workshops at two attractive locations are already initiated: The 13th Trace Metal Workshop (TraceSpec 2011) in Pau/France (May 16–18, 2011), and the 10th Biosensor Workshop (BBMEC 2011) in Weimar/Germany (June 19–22, 2011). You can find updated information on all these events by consulting our new website www.iaeac.com.

As already outlined in my last Season Greetings to you, our flagship-symposium, ISEAC 36, to be held in Rome/Italy October 5–9, 2010 (www.iseac36.it), is of particular relevance for you. Here the 15th General Assembly of the IAEAC will take place including the election of the President and the members of the EEC for the next term. The CV’s of the respective candidates you find later in this issue. You can see that a significant change in the makeup of the IAEAC managing board and the EEC is to be expected. Therefore I would like to urge you to attend the General Assembly and to make use of your right to vote.

Following the Rome event another change in personnel with far-reaching importance will take effect, namely the change in the management of the IAEAC Secretariat.

Marianne Frei, the “Assistant to the Secretary”, is going to retire after more than 20 years of steady and reliable service for our Association, operating our “headquarter” in Allschwil/Switzerland (see later in this issue). Fortunately we could find an efficient and trustful person willing to take over the responsible work of Marianne, Sonja Desplos from Lausanne/Switzerland (CV see later in this issue). This means that according to our statutes the “headquarter” of the IAEAC will move from Allschwil to Lausanne.

Finally I use this opportunity to say goodbye to you, at least in my function as the President. I have carried out the duties of this position for 8 years at the best of my knowledge. I did it with pleasure and gained a lot of new experience during these years following my retirement from the University and the ISAS at Dortmund. I could make new friends giving me substantial support in my work for the Association. Now it is time to pass on the responsibility to younger shoulders. Please, place your confidence in my successor who will certainly continue to keep in good shape and further develop the IAEAC.

With my very best wishes



Dieter Klockow



October 31st, 2010, will officially be the last working day for the IAEAC of Marianne Frei, our "Assistant to the Secretary"

For more than 25 years Marianne Frei was the faithful manager of the Association's administrative affairs, and the way she got involved and stayed involved in the "daily life" of the IAEAC is best documented by herself:

I was borne in Zürich, Switzerland, in 1945 and after my education graduated from the University of Zürich as a Master in Biology. Then I spent two years in Canada where I worked in an analytical laboratory. After my return to Switzerland and my marriage with Roland Frei in 1972 I worked for two years at the Biocenter Basel in the department of biochemistry. This job suited me well but I gave it up when I had my first child.

As early as 1983 my husband, at that time professor in analytical chemistry at the Free University of Amsterdam, The Netherlands, involved me in the work for the IAEAC which resulted in buying the first computer (Apple 2) for me in 1984. I wel-

comed this type of work since I could stay at home and be around for our two daughters. At that time the Association was shaped by the collaboration of Roland as the President, Ernest Merian as the Secretary and me acting as the assistant to both of them. New developments in technology such as fax machines and computers influenced and improved my work. Working with a computer was quite a challenge for me which I faced with interest.

The first symposium for which I prepared my registration list on the Apple 2 computer was the Sample Handling Symposium in Basel in 1986. This marked the beginning of a new area in my working for the IAEAC.

For many years we worked as a team until this successful period ended by the death of my husband in 1989. After that trenchant event in my and my family's life, new decisions had to be made. After looking for other job opportunities in Basel and thinking a lot about my future I finally came to the conclusion that the work with the IAEAC would fit well with my responsibilities for my daughters and as well with my interests. Last but not least the wish to continue and preserve Roland's mission to promote and maintain scientific excellence in the area of environmental analytical chemistry was a major incentive to keep him alive beyond death.

New developments took place in the subsequent years which I welcomed again as new challenges. E-mail correspondence made the organization of events easier. I initiated the set-up of the first IAEAC website which involved a lot of efforts on my

part. I still remember the glorious moment when I first saw the IAEAC site in the world wide web. I have learned to work with many new computer programs and was involved in the production of the third generation of IAEAC websites. Since things had to be done more professionally Swiss graphic designer Tarek Moussalli created our IAEAC poster, our websites and our annual newsletter.

My work for the IAEAC was stimulating and interesting. In all these years I had to deal with different Secretaries and Presidents and I met a lot of scientists from all over the world. I visited many places where we held our symposia and our ex-

ecutive committee meetings. Besides that I still had time to enjoy my house and its great surroundings in Allschwil and to pursue my hobbies such as mountain hiking.

My wish to resign from this job has not only to do with my age. I want to step down while I am still capable. I will still be available for support and help for the IAEAC if necessary. However, I am looking forward to having my freedom of all obligations. I finally have to pass on the legacy of my late husband, Roland Frei, his work and ideas, in the trustworthy hands of others.

Marianne Frei

Dear Marianne,

since I am the last IAEAC President you have to deal with I would like to write a short farewell letter to you.

For eight years I could enjoy an efficient and trustful collaboration with you serving the prosperity of the IAEAC. I could profit from your detailed knowledge of the development of our Association from its early days on, and also from your readiness to always adjust the operational basis of our headquarter in Allschwil to the most recent achievements in information technology. In this way not only the usual daily routine but also the organization of symposia and workshops and the implementation of decisions or recommendations of managing board and extended executive committee were treated by you with increasing efficiency. This was more than a normal job for you because on top of all you persistently carried on the legacy of your late husband, our first President, Roland Frei.

In particular we older IAEAC members will have difficulties to realize that our headquarter in Allschwil and you as its manager will soon be history for us. We accept, however, with greatest respect your decision to retire, and place confidence in those responsible for the Association in the future. In case your advice and help is still needed they will certainly knock at your door.

On behalf of the IAEAC I wish you all the best for the time to come, in particular the fulfillment of your expectations.

Good-bye, Marianne, we will miss you. Thank you for these eight years and moreover for all you have done in your life for the IAEAC.



Dieter



Starting November 1st, 2010, Sonja Desplos will succeed Marianne Frei as the "Assistant to the Secretary". The IAEAC is happy to have somebody like her in this position for the years to come. She herself writes about her eventful life as follows.

I was born in 1951 in Basel, Switzerland, where I received my education. Later I spent a year as a mother's helper in the USA and a few months in London as a secretary for an enterprise of Basel. These experiences allowed me to improve my English.

Since 1970 I live in the French speaking part of Switzerland, where I initially worked, among other things, in different chemical companies.

Prior to getting married in 1979 my future husband and I crossed, with backpack, Central and South America for one year. This was a rich experience and we came back with a gift... our son!

Joseph Tarradellas hired me in 1995 to manage the Course of Environmental Sci-

ence at EPFL, which received students from around the world. This job gave me a lot of satisfaction and fitted my interests "like a glove". Joseph gave me complete trust. I worked in a stand-alone manner, managed, organized, and coordinated the activities of the different participants in the Course.

I have always felt concerned for the welfare of others. I've been active for 15 years in Amnesty International. For many years I was an instructor of gymnastics for parents with small children. I think this kind of commitment prepared me to then work in the municipality and for six years as mayor of my village in the Canton of Vaud (1998-2005). Yet another rewarding life experience!

After completing my activities as mayor, I work (70%) since 2005 for two laboratories at EPFL where I take care of the management of staff, accounts and travel organization for my colleagues.

And now my recruitment in your Association as Assistant to the Secretary, a new challenge that I am looking forward to meeting next November.

Sonja Desplos



9th Workshop on Biosensors and Bioanalytical Microtechniques in Environmental and Clinical Analysis (BBMEC 2009). University of Montreal, Montreal, Canada, June 14-17, 2009

The 9th Workshop was organized by Prof. Jean-François Masson and Prof. Kevin J. Wilkinson. The program started on Sunday afternoon with a keynote lecture by Prof. Christof Niemeyer (Technical University of Dortmund, Germany) followed by three oral presentations and closing with a welcome reception that provided ample time for meeting, discussing and networking. The subsequent two and a half days were filled with a rigorous lecture program that was always well attended, a second keynote lecture by Prof. Steven Weber (University of Pittsburgh, USA), with high quality poster sessions and with coffee and lunch breaks for all participants. A total of 2 plenary talks, 46 contributed talks and 59 posters were presented.

The setting was perfect to enable scientific discussions throughout the conference as

the two poster sessions were in the hall outside of the lecture hall and coffee breaks and lunches were served in the same hall. Each day ended with a mixer in the same hall providing for more discussion and networking at the end of the day. The conference dinner on Tuesday evening was well planned and attended. The organization of the conference was excellent as it ran smoothly, with many helpers and supporters so that conferees were able to focus on science and were well cared for.

The conference had 136 participants from 21 countries (66% from North America, 23% from Europe, 11% from Asia, Oceania, Africa and the Middle East). The distribution of participants was as follows: 44 faculty, 22 postdocs, 60 graduate students, 10 corporate and others. The conference was sponsored by the IAEAC. In addition, Prof. Masson and Prof. Wilkinson had secured support from a number of other sources which enabled to hold this high quality conference. They should be lauded for their great effort also on this front. Sponsors at the exhibit were: Agilent, Bruker, Gamble Technologie, Lab Bell Inc., Q-Sense and Thermo. Advertisement sponsors were

Drop Sens, Uniscan and WITec GmbH. Other sponsors were the Chemistry Department of the University of Montreal, the Center for biosensors and biorecognition (Quebec), and ERPI publishing (which provided prizes for the poster competition).

The poster competition was organized with 4 poster judges who looked at all posters from both poster sessions and discussed the posters with the presenters in at least all of those cases that posters were being considered for a prize. The quality of the posters was extremely high, which resulted in a split of the Roland Frei Poster Award into two prizes of \$500 each. Eight other prizes were given out as "Analytical Chemistry Excellent Poster Award". The presenters were recognized by name, were handed a certificate and a small gift (ranging from wine bottle to text books to a one-year subscription to IJEAC). Poster award winners were:

Roland W. Frei Award:

John Connell, Cornell University, USA
"Investigation of Electrochemical Microfluidic Biosensors for ultrasensitive detection"
 David Troiani, McGill University, Canada
"Ultrasound Contrast Agents based on Molecular Imprinted Hydrogel Sensors"

Analytical Chemistry Excellence Awards:

Carmen Carrasquilla,
 McMaster University, Canada
"Immobilization of Functional DNA Aptamer onto Sol-gel Derived Silica for Solid-phase Biomolecular Detection"
 Sonia Centi,
 University of Florence, Italy
"Detection of several protein biomarkers by aptasensor"

Nikolas M. Eleftheriou,
 McMaster University, Canada
"Sol-Gel Derived 3D Reporter Gene Cell Microarrays"

Mahmood Golmohamadi, University de Montreal, Canada
"Embedding of algae in a biogel in order to develop a whole cell biosensor for quantification of bioavailable trace metals in the environment"

Marie-Pier Murray-Méhot,
 University de Montreal, Canada
"Study of the optical properties of nanohole arrays of controlled sizes and periodicity"

Arghavan Shabani,
 Concordia University, Canada
"Impedimetric Detection of Anthracis Bacteria Using Bacteriophage-Modified Carbon Microarrays"

Sandy Shuo Zhao,
 University de Montreal, Canada
"Detection of small molecules-molecular receptor interaction using surface plasmon resonance sensors"

Nancy Tawil,
 Ecole Polytechnique de Montreal, Canada
"Phage-based biosensor for detection of Methicillin-Resistant Staphylococcus aureus"

In summary, this was a highly successful scientific meeting with interesting talks, posters, discussions, with ample time for discussion and networking, with a social program fulfilling all needs of this workshop to a high degree, with an active and interested audience, and with a perfect organization. Prof. Masson and Prof. Wilkinson organized this conference exceeding the high marks set by the IAEAC and proving that the conference remains to be a strong and important conference for the bioanalytical sensing field.

Antje Baeumner



A short report from the speciation workshop TraceSpec 2009 September 15–18, 2009

The „Johannes Gutenberg Universität“ at Mainz was the meeting place for the TraceSpec 2009 that was held September 15–18. The 12th version of the well accepted Workshop on Progress in Analytical Methodologies for Trace Metal Speciation was organized by the working groups headed by the Chairman Thorsten Hoffmann (Uni Mainz) and his colleague Nicolas Bings (Uni Mainz). The local organizers were supported by Michael Sperling (EVISA) as well as by Dieter Klockow (IAEAC).

With about 130 scientists from 22 nations the audience was a bit smaller than that of the 11th meeting in Münster in 2007, which was mainly related to the economic crisis that has resulted in self-effacement of industry but also to the increasing number of meetings with a cluster around the last few weeks. The scientific program was organized in six sessions plus two poster sessions in one single stream. The series of 6 plenary lectures was opened by Pascal Salaün (University of Liverpool), who discussed "Strip-

ping voltammetry for metals and metalloids speciation in natural waters". Eva M. Krupp (University of Aberdeen) followed with a presentation on "Mercury speciation in environment and life - from MeHg to Hg biomolecules" in which she demonstrated that the topic of mercury speciation is still actual even after a 50 years long history. Especially the toxicological characteristics of this element and its compounds as well as its interaction with biomolecules has still some open questions. Spiros A. Pergantis (University of Crete) reported about an "Analytical Approaches for Investigating the Function of Elemental Species in Biological Systems" by using the on-line coupling of a Nano Electrospray Ion Mobility Spectrometer with an ICP-MS. Alex Baker (University of East Anglia) discussed the topic of "Iodine speciation in atmospheric aerosols and rainwater" and emphasized the environmental importance of iodine and its species for the atmospheric ozone chemistry. The characteristics of fine dust emissions originating from combustion processes was discussed by Jorma Jokiniemi (University of Kuopio) in his presentation about "Physico-chemical characterization of particle emissions from various industrial sources". The series of plenary lectures was completed by Mihaly Derovics (University of Budapest) with his presentation entitled "ESI-MSn in selenium speciation: focus on structure assessment" discussing strategies for the detection and structure elucidation of selenium species.

Further 34 contributed presentations made up the scientific program giving a broad overview to the different domains of speciation analysis. The contributions covered topics ranging from classical metal- and

metalloid speciation analysis in various types of sample matrices using different techniques to the development of new analytical methods and techniques and the use of speciation analysis for questions related to life sciences.

The compact scientific program was broken up by two poster sessions, in which 54 posters were discussed by a very motivated audience.

The nicely composed program was completed by an exhibition of eight manufacturers, with their stands in the foyer just in front of the lecture hall. Exhibitors had intensive contact with the participants not only but especially during the coffee breaks.

It is already tradition of this workshop to emphasize the importance of poster contribution of young scientists, and to encourage the continuation of their work by awarding the best three of the high quality posters. The poster award committee had a hard job to evaluate the posters of generally high quality. The third award, endowed with 300 Euros and sponsored by EVISA, was given by EVISA director Michael Sperling to Sandra Braukmann (Trace Element Speciation Laboratory, University of Aberdeen, UK) for poster entitled "Determination of superoxide dismutase (SOD) by using species-specific isotope dilution (SS-IDMS) analysis using GE-LA-ICP-MS". The second poster award, sponsored by Thermo Scientific with 500 Euros, was presented by Shona McSheehy to Michael Kundel (Institute for Analytical and Inorganic Chemistry, Johannes Gutenberg University Mainz, Germany) for his poster entitled "Development of an on-line method for the determination of I2 by using time-of-flight aerosol mass spectrometry".

Finally, Dieter Klockow as the representative of IAEAC presented the "Roland Frei Poster Award" endowed with 700 Euros to Elzbieta Lipiec (Laboratoire de Chimie Analytique Bio-Inorganique et Environnement, Pau, France) for her poster "Analytical approaches to selenium speciation in eggs"

Besides the scientific program the social program also had some well reminded highlights. Young scientists from the working groups of the local organizers had organized a sightseeing tour into the historic city center that ended up in a barbecue event at the campus. The open-end event, supported by a very mild Indian summer evening was welcomed by most of the participants for a more comprehensive get-together. The conference dinner was organized in the historic buildings of the Kupferberg sparkling wine cellar. A short tour through the different parts of the building and the impressive cellars allowed learning a little about the history of the company and the production process for the sparkling wine through its 150 years lasting history. The evening ended with a very nice dinner and a good glass of wine with intensive conversation that surely will well be reminded by most of the participants.

Michael Sperling



Dieter Klockow presenting the Roland Frei award to Elzbieta Lipiec



4th International Symposium on Recent Advances in Food Analysis November 4 – 6, 2009 Diplomat Hotel–Conference Center Prague, Czech Republic

The 4th International Symposium on Recent Advances in Food Analysis (RAFA 2009) was held from 4 to 6 November 2009 in Prague, Diplomat Hotel Conference Centre, Czech Republic. The meeting was organised jointly by the Institute of Chemical Technology Prague (ICT Prague), RIKILT - Institute of Food Safety (RIKILT), Wageningen, and the International Association of Environmental Analytical Chemistry (IAEAC).

Again, the symposium had grown quite a lot and now was attended by 530 partici-

pants from 55 countries of Europe, Asia, America and Africa. 57 oral presentations and 440 posters were presented within the scientific program. Both, advanced analytical/bioanalytical technologies and novel trends in analysis of food components were presented. The following areas were addressed:

- residues and contaminants
- authenticity, traceability, fraud
- flavours and odours
- processing and packaging contaminants
- mycotoxins, marine and plant toxins
- allergens
- genetically modified organisms (GMO's)
- nanoparticles
- novel foods, nutritional supplements, organic food
- QA/QC and chemometrics in food analysis

The conference was opened by a performance of classic Czech music (harp and flute),

underlining the wealth of culture from the Czech Republic and Prague. Prof. Tomas Ruml (vice-dean) and Prof. Jana Hajslova (symposium chairwoman) addressed the audience on behalf of ICT, followed by Prof. Michel Nielen (co-chair) on behalf of the IAEAC and RIKILT.

With respect to the important role of the European Commission collaborative research programs in support of the science of food analysis, the plenary session started with a live video-call by Antonio di Giulio from the European Commission headquarters, DG Research, Unit Food, Health and Well-being, in Brussels who stressed that RAFA is the worldwide event in the field of food analysis and heavily contributing to the research agenda of the European Commission. His encouraging words were followed by a presentation of his co-worker Dirk Pottier, who provided an introduction to current collaborative research opportunities. Next, a floor was given to Zhihua Ye from the Chinese Academy of Science who addressed the topic of emerging problems in global food safety, including of course the latest information from the melamine scandal. The final opening lecture was by Thomas Wenzl from the Institute for Reference Materials and Measurements, JRC, who addressed the quality control issue in food analysis.

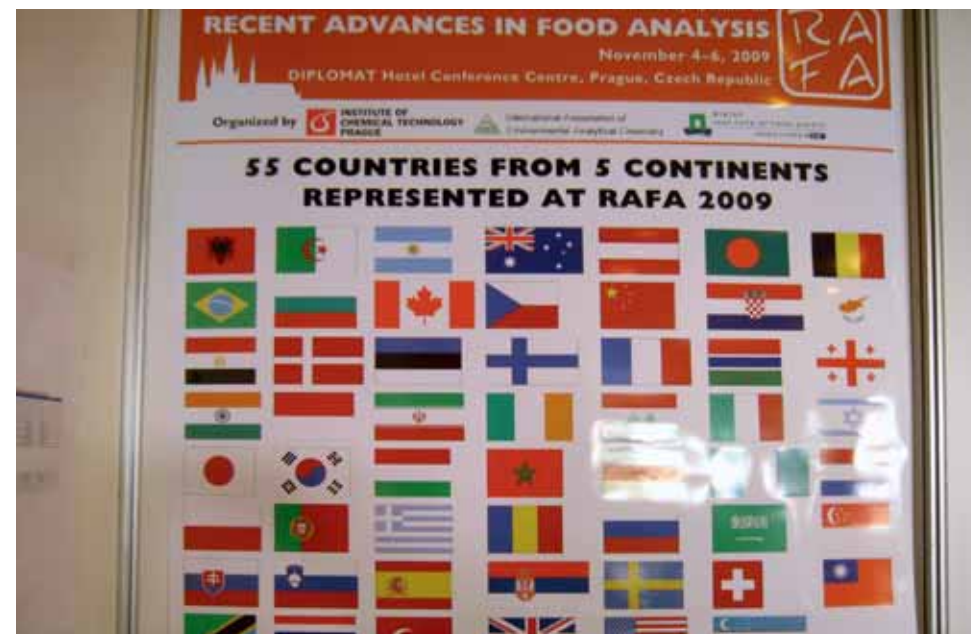
In the oral program, invited leading scientists introduced the main topics that were the subject of individual program blocks covering all the areas mentioned above. As in previous RAFA editions special attention was paid to give a floor to talented young researchers; 23% of all the lectures were given by young scientists (age limit 30 years) and they did a very good job in terms of scientific contents and time man-

agement. In parallel to the main oral sessions two special workshops were organised: on Thursday afternoon a seminar covering issues and approaches to address chemical food contaminants from a US perspective, and on Friday morning a session on Allergens with emphasis on the challenges in food allergens analysis, proficiency testing and recent analytical technologies applied in this area.

The topics of the three poster sessions reflected the main areas of participants' interests related to the main topics of the conference listed. The majority of the posters presented very high quality innovations and applications, and various challenges for further food analytical research were indicated.

A poster jury was established from members of the RAFA scientific committee, who had the enormous task to evaluate all 440 posters with respect to well-defined criteria. The IAEAC R.W. Frei Award for the best poster presented by a young scientist was given to Judith Kouassi-Nzougnet, Queens University of Belfast, U.K. The poster was entitled "Proteomic identification of Azaspiracid toxin biomarkers in blue mussels". Apart from this prestigious award, four additional poster awards were sponsored by industry (Agilent Technologies and CAMO software) and won by Salvador Maestre, Kamila Kalachova, Marilena Dasenaki and Gaud Pinel.

Ten vendor seminars were organized either during the lunch breaks or as pre-symposium event in cooperation with leading companies in the field of advanced food analysis: Leco, Waters, Applied Biosystems, R-Biopharm, Thermo Scientific, Bruker, Tecna, Agilent Technologies, Shimadzu and



Romer Labs. These seminars were focused particularly on the modern developments in instrumentation and biotechnologies employed in food analysis and their potential for improved food analysis parameters, e.g. tools/enhanced techniques for better and faster food analysis. Because of the attractive program, all vendor seminars were very well attended by the conference participants.

Altogether 26 companies were participating in the exhibition of the conference, demonstrating both the most modern instrumentation recently used in food analysis and other necessary equipment, i.e. consumables, reference materials, bio-analytical tools, sample treatment devices etc. Also by the companies RAFA has been recognised as the event and place to be, some companies could not be accommodated since a waiting list occurred.

RAFA is also having a very high reputation for its excellent social program. On this occasion a welcome cocktail was offered in the Diplomat Hotel for all participants, featuring excellent wines and live Jazz music. The second day the participants enjoyed an organ concert in the church of the historical Brevnov Monastery, followed by a symposium dinner in the beautiful restored monastery building. The dinner was accompanied by a live baroque music performance and demonstrations of baroque dances. Some participants including a few well-known IAEAC members took the opportunity for baroque dance lessons.

Again the possibility was offered to conference participants to submit manuscripts for publication in a special issue of *Analytica Chimica Acta* (Elsevier), exclusively dedicated to RAFA 2009 but of course on the basis of the regular peer-review procedure.

Definitely RAFA 2009 was a great success as highlighted by some of the written testimonials: ...an extremely good conference...; ...congratulations with RAFA 2009...; ...I enjoyed the conference very much and I still learned a lot... A 5th International Symposium on Recent Advances in Food Analysis (RAFA 2011) is planned to be organised again in Prague, on November 1–4, 2011. For further information with respect to RAFA 2011 keep an eye on the symposium website:

www.rafa2011.eu

In the closing address special attention was given to the three VIL's (very important ladies) of RAFA2009: Monika Tomaniova and

Jana Pulkrabova (chairs of the local organising committee) who did again a very excellent job in managing the 'orange brigade' of ICT students and the exhibition, Jana Hajslova (chair of the scientific committee) who did an excellent job in establishing a superb program, and last but not least the IAEAC secretary who did the financial administration (unfortunately for the last time because of her well-deserved retirement).

Jana Hajšlová (symposium chair), ICT Prague (Czech Republic) and Michel Nielen (symposium co-chair), IAEAC and RIKILT-Institute of Food Safety (Wageningen, the Netherlands)

Professors Jana Hajšlová and Joseph Tarradellas



Roland W. Frei Award ceremony; Prof. Dr. Michel Nielen and Ms. Judith Kouassi-Nzougheh

The IAEAC held an invited symposium in the technical program at PITTCON2010 in Orlando, FL, USA, 28.2.– 5.3.2010

The IAEAC held an invited symposium in the technical program at PITTCON2010 in Orlando, FL, USA. The symposium on "New miniaturized spectroscopic techniques for environmental analysis" was organized by Prof. Dr. Jose Broekaert (University of Hamburg) and Prof. Dr. Antje Baeumner (Cornell University) and supported jointly by PITTCON2010 and the IAEAC.

In environmental analysis cost effectiveness, the availability of dedicated analytical technology and the demand for field measurement capabilities are important driving forces for innovation. Spectroscopic techniques both for the detection of the elements and their species as well as for organic analysis in this sense are under full development and were discussed by five

invited speakers during the symposium in the morning of March 3rd. Prof. Dr. Vassili Karanassios from the University of Waterloo (Canada), presented his research on in-torch and electrothermal vaporization coupled to microplasmas for the analysis of environmental samples. His talk was followed by the one of Dr. Steven Ray from Indiana State University (USA) on diagnostics and features of atmospheric pressure glow discharges with an electrolyte solution as the cathode (ELCAD) for analysis of environmentally relevant samples. The third speaker, Prof. Dr. R. Kenneth Marcus from Clemson University (USA), presented research on the comprehensive speciation through HPLC-particle beam mass spectrometry with electron ionization and glow discharge sources. Dr. Joachim Franzke from the Institute of Analytical Sciences (ISAS) in Dortmund (Germany) discussed dielectric barrier discharges as ion sources for organic mass spectrometry. The final speaker in the symposium was Prof. Dr. Broekaert presenting his research on miniaturized microwave and DC glow discharges at atmospheric pressure for the determination of environmentally relevant elements and species.

The symposium was well attended and stimulated discussion among participants long after the program was closed. The IAEAC is looking forward to holding symposia at PITTCON (<http://www.pittcon.org>) in the years to come and to further expand its presence in North America to continue to enhance, promote and stimulate environmental analytical science.

Antje Baeumner

IAEAC
INTERNATIONAL ASSOCIATION OF ENVIRONMENTAL ANALYTICAL CHEMISTRY

Mission statement
The International Association of Environmental Analytical Chemistry (IAEAC) is a worldwide operating organization serving of promoting and supporting scientific excellence in the area of environmental analytical chemistry and the proper use of advanced methodologies for the assessment of existing and future risks to the environment.
To accomplish its goals, the organization has established research centers around such as congresses and workshops. They take place at intervals throughout the world to maintain the opportunities for environmental analytical chemists in all countries to participate.
The International Journal of Environmental Analytical Chemistry is the official journal of the Association (<http://www.iaaec.com/journal>).

Member benefits

- 20% discount on registration fees of IAEAC events
- Subscription of the International Journal of Environmental Analytical Chemistry
- Free of charge
- Non-contributory membership for postgraduate students for a period of 3 years
- Travel grants for postgraduate students of IAEAC members to participate in IAEAC events

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Report about RACAL, the Latin American Network of Environmental Quality Assessment, and branch of the IAEAC, 2009–2011

Presently, RACAL has activities in Costa Rica, Uruguay and Brazil with the respective regional groups.

Colleagues from Uruguay organized the First Uruguayan Congress of Analytical



During the Congress in Uruguay Isabel Dol (white dress) and Gualberto Trelles

Chemistry on 9th and 10th of September 2009. The Organizing Committee was chaired by Eng. Isabel Dol, a member of RACAL-Uruguay. As part of the program a pre-congress course, Equipment Qualification, conducted by Dr Moisés Knochen, three lectures of foreign professors, six lectures of Uruguayan professors, and two round tables: “Laboratory Accreditation” and “Environmental Analytical Chemistry Laboratories”, were given.

More than 200 participants from Uruguay, Brazil, Argentina, and Venezuela attended

the event and 69% of them took the course. Sixty one papers were presented, 52 as a poster and 9 oral presentations (see above).

A survey was conducted among the participants and 84% rated the event as good, very good or excellent.

In Costa Rica we finished with the activities related to the 8th Latin American Symposium (February 2009) and then wrote another project to work on in 2010. This



Prof. Moises Knochen teaching, during the workshop in Uruguay

time we are collaborating with the Electrochemical Center that belongs to the University of Costa Rica. The new project includes three types of activities: a- Activities with high school students and with interested people in general. We have planned to offer several conferences at high school centers, related to the conservation of natural resources of Costa Rica, specially water. We are also including some recommendations for the use at home of products containing chemical substances like disinfectants, pesticides, colorants, alkalis and strong acids. We plan to publish a manual



Carlos Calleja from RACAL-Costa Rica in a conference with personal (of Caja Costarricense de Seguro Social staff)

“Productos y Residuos Toxicos en el Hogar” that has been prepared by REPAMAR (Red Panamericana de Manejo Ambiental de Residuos) in which there are specific recommendations in that sense.

b-We have planned to collaborate in seminars that are being offered by the social security system of Costa Rica, Caja Costarricense del Seguro Social. The responsables running the seminars train the personnel in the use and disposal of dangerous substances. They need for instance information about how to manage medical solid waste, and how to run hospitals without the use of mercury. Two members of RACAL-Costa Rica, Rigoberto Blanco and Carlos Calleja, have participated in conferences related to this type of problem.

c- We also want to collaborate in the update of our colleagues in specific environmental fields. We are planning to offer a workshop about metal speciation and have contacted for this purpose Dr Monserrat Filella, a member of the IAEAC Executive Committee. She is an expert in this area and has accepted to come to Costa Rica in November 2010. Presently we are defining the program and the different activities.



A group in a seminary “How to have free the Hospital from mercury”

The RACAL Brazilian group is involved in preparing the 9th Latin American Symposium on Environmental and Sanitary Analytical Chemistry. The event will take place in Salvador /Bahia, Brazil, from 17 to 20th April 2011. The web site and the first announcement with the scope of the event will be available soon. The local organizing committee is composed by Vânia Campos Palmeiras, Renato Zanella, Tânia M. Tavares and Carmen Guedes.

The information of Brazilian researchers on the activities of RACAL and the IAEAC was improved, and for 2010 to we expect to achieve a number of 20 Brazilian RACAL members.

O.M. Rodriguez





36th International Symposium of Environmental Analytical Chemistry, ISEAC36, Rome, Italy, October 5–9, 2010

Organized by the “International Association of Environmental Analytical Chemistry” in cooperation with “Italian National Agency for New Technologies, Energy and Sustainable Economic Development”

Invitation: On behalf of the Scientific and Organizing Committee, it gives me great pleasure to invite you to attend and participate in the 36th International Symposium on Environmental Analytical Chemistry. The conference, a joint venture of ENEA and the IAEAC, aims at bringing together a broad range of scientists who develop and apply analytical techniques to investigate

environmental pollution and its consequences. Developments in this field of research will be illustrated through lectures and posters, and will cover both the fundamental and practical aspects of environmental analyses and monitoring, together with novel applications of protocols. The 15th General Assembly of the International Association of Environmental Analytical Chemistry will take place during the Symposium.

Major scientific topics are:

- Sampling and Sampling Strategies for Environmental
- Analysis
- Screening Methods for Freshwater and Food Control
- Environmental Process Analysis
- Analytical Chemistry in Chemical Exposure
- Assessment
- BioAnalytical Techniques



Invited lectures will be delivered by:

- Prof. Chunlong (Carl) Zhang (University of Houston-Clear Lake, Texas, USA)
- Prof. Reinhard Nießner (Technische Universität Muenchen, Germany)
- Prof. Alessandro Piccolo (Universita degli Studi di Napoli Federico II, Italy)
- Prof. Philippe Garrigue (Université de Bordeaux I, France)

The Symposium venue will be the magnificent Auditorium Via Veneto in one of the most famous streets of Rome and close to a number of outstanding objects and places of interest. For detailed information as to registration, accomodation, poster award, social program etc. please consult our website www.iseac36.it, and with respect to student travel grants the IAEAC website www.iaeac.com

We look forward to welcoming you in Rome!

Dr. Roberto Pilloton, ENEA, Rome, Italy
Chairman ISEAC36



12th Symposium on Chemistry and Fate of Modern Pesticides

6th European Conference on Pesticides and Related Organic Micropollutants in the Environment and 12th Symposium on Chemistry and Fate of Modern Pesticides September 7–10, 2010

The joint events will be held in Matera (Italy) on September 7th–10th, 2010, under the auspices of the “European-Mediterranean Association for Environmental Education, Assessment and Protection – ENEAP” and the “International Association of Environmental Analytical Chemistry – IAEAC”

The previous joint editions of these events were held in Halkidiki, Greece (2004); Almería, Spain (2006); and Marseille, France (2008).

More information and a pre-registration form are available at the conference web site: www.pesticides2010.org

Conference Aim and Organization

The conference intends:

- to provide a communication forum for the exchange of knowledge and technology among scientists interested in

Pesticides, Micropollutants, Environment and Food;

- to foster collaboration and exchange of opinions among scientists, engineers, and industries on environmental education, risk evaluation in environment and food, analytical determinations of inorganic and organic pollutants, soil and water recovery, new products, biological implications;
- to highlight the scientific progress of enterprises and manufacturers;
- to enhance the image of Environmental Science.

The conference will be organised in six sessions, with invited lectures given by outstanding scientists. The programme will include oral and posters communications chosen on the basis of abstract selection. Scientists and representatives of enterprises and manufacturers are welcome.

Organizing partners are: University of Basilicata, Italy; University of Ioannina, Greece; CID-CSIC Barcelona, Spain; University of Almeria, Spain; Gruppo di Ricerca Italiano Fitofarmaci e Ambiente, Sicurezza alimentare e Qualità ambientale/Italian Research Group on Pesticides and Environment, Food Safety and Environmental Qual-

ity (GRIFA); Società Italiana di Chimica Agraria/Italian Society of Agricultural Chemistry (SICA).

Congress Topics

- New Analytical Techniques and Strategies
- Residue Levels in Agricultural Products and Food Safety
- Environmental Impact and Protection Strategies
- Risk Assessment and Toxicological Aspects
- Natural Product-based Biopesticides
- Remediation Techniques and Strategies

Announced Speakers

- DR. ZBIGNIEW ADAMSKI
Adam Mickiewicz University, Poznan (Poland)
- PROF. TRIANTAFYLLOS A. ALBANIS
University of Ioannina (Greece)
- PROF. RICHARD BÉLANGER
Université Laval, Québec (Canada)
- DR. SALLY L. BENJAMIN
Northern Prairie Wildlife Research Center, Jamestown, ND (USA)
- PROF. TOMMASO R. I. CATALDI
University of Bari (Italy)
- PROF. SERGE CHIRON
CNRS Hydrosociences Montpellier (France)
- PROF. JEAN-MARC CHOVELON
University Claude Bernard Lyon 1 (France)
- PROF. AMADEO R. FERNÁNDEZ-ALBA
University of Almeria (Spain)
- PROF. NICOLA S. IACOBELLIS
University of Basilicata (Italy)
- PROF. HARUN PARLAR
T.U. Munich (Germany)
- DR. IOANNIS KONSTANTINOY
University of Ioannina, Agrinio (Greece)

- PROF. FABRICE MARTIN LAURENT
INRA-Université de Bourgogne, Dijon (France)
- DR. CHRIS SINCLAIR-FERA
Sand Hutton, York (UK)
- DR. TOMÁS UNDABEYTTIA
CSIC-IRNAS Seville (Spain)

Roland W. Frei Award

Before closing the meeting, the “Roland W. Frei Award”, sponsored by IAEAC, will be given to the best poster presented by a young scientist. Members of the Scientific Committee will select the winner on the basis of scientific relevance of the treated topic and the quality of the graphical design.

Call for Papers

Authors are invited to submit by e-mail an abstract for oral presentation and poster presentation. Abstracts should be sent by e-mail to the secretariat of the Conference: info@pesticides2010.org

After the conference, a special issue of the International Journal of Environmental Analytical Chemistry (IJEAC) will be provided for publication of presented papers, which will be peer-reviewed following the conventional rules of this journal. Manuscripts can be submitted up to October 31st, 2010.

Summer School and GRIFA Colloquium

Connected to Conference the 8th edition of the International Summer School GRIFA “Pesticide 2010” will be held on September 5th – 7th. The School will be concluded with the first Colloquium GRIFA (Gruppo di Ricerca Italiano Fitofarmaci e Ambiente,





Sicurezza alimentare e Qualità ambientale/ Italian Research Group on Pesticides and Environment, Food Safety and Environmental Quality). All Conference participants are invited to attend the Colloquium that will be organized in form of a roundtable to discuss selected topics of widest interest.

During the School, applicants will be permitted to give a 20 min oral presentation concerning their research activities. Poster presentations are also welcome.

School attendees are encouraged to send their abstract of oral and poster presentations for the inclusion in the proceedings, and are invited to submit their manuscripts for the publication in IJEAC. At the end of the School a Participation Document based on practical assessment ECT for career development will be released.

Conference and Summer School Venue

The conference and the summer school will take place in the hotel Hilton Garden Inn, Via Germania, I 75100 Borgo Venusio, Matera (Basilicata): www.matera.stayhgi.com. The Hilton Garden Inn Matera hotel is completely embedded in a magnificent park of over five hectares of lush green land and is

perfectly blended into the inspiring landscape surrounding Matera, only 4 km from the famous old urban area called "Sassi". Matera is one of the most inspiring destinations in Southern Italy looking back on centuries of fascinating urban architecture silent witness of an original and enchanting civic culture. In 1993 Matera was declared World Heritage by UNESCO in order to acknowledge and protect its unique heritage, the famous Sassi.

Accommodations, shuttle services, and a tourist programme are available at: www.materaconventionbureau.it congressi@viaggikarma.it.

Contacts and Information

www.pesticides2010.org
info@pesticides2010.org

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10th Workshop on Biosensors and Bioanalytical Microtechniques in Environmental and Clinical Analysis – June 19–22, 2011 in Weimar, Germany

The International Association of Environmental Analytical Chemistry has entrusted the chairmanship for the 10th Workshop on Biosensors and Bioanalytical Microtechniques in Environmental and Clinical Analysis during the last conference in Montreal 2009 to Prof. Dr. Karl-Heinz Feller of the University of Applied Sciences Jena, Germany. Once again the conference wants to bring together scientists from around the world to discuss new technologies and applications in the field of biosensing and bioanalytics in Life Sciences. Besides new developments in sensor technology and bioprocess applications, the organizers of the 10th Workshop will especially focus on functional materials and surfaces, microfluidics, innovative detection technologies as well as data analysis and software development. As usual lecture and poster sessions will be preceded by outstanding plenary speeches.

With the historically and culturally rich city of Weimar, the residence of Johann

Wolfgang Goethe and Friedrich Schiller, the Bauhaus University and not less than 16 buildings and art monuments enjoying the special protection of a UNESCO world heritage site, an appropriate place for the conference has been found. Also the venue of the Workshop, the Leonardo Hotel Weimar, has to offer a charming environment.

We are looking forward to the Workshop and would like to invite you to participate. The conference homepage can be viewed under: www.bbmc2011.de.

Conference Office bbmc 2011
 University of Applied Sciences Jena,
 Department of Medical Engineering,
 Prof. Dr. Karl-Heinz Feller, Carl-Zeiss-
 Promenade 2, D - 07745 Jena/Germany
www.bbmc2011@fh-jena.de



13th Workshop on Progress in Analytical Methodologies for Trace Metal Speciation, May 16–18, 2011

The 13th edition of this successful series is planned to be held in Pau/France, May 16–18, 2011, under the Chairmanship of Prof. Olivier Donard. For details, please, follow the updates in the IAEAC webpage (www.iaeac.com) or contact directly Prof. Donard under olivier.donard@univ-pau.fr



The venue, Palais de Beaumont

27th Montreux Symposium on LC/MS

**Montreux, Switzerland
November 10–12, 2010**

The deadline to submit abstracts for oral presentations is June 15, 2010. Poster-abstracts can be submitted till August 31, 2010 (www.iaeac.com) World leaders in the field will provide new insights and a future outlook of key domains.

The “Roland W. Frei” opening lecture will be delivered by George Poste: The Evolution of Personalized Medicine/Opportunities and Challenges.

Other keynote speakers included: Ian Wilson/Astra Zeneca: Fishing for biomarkers by metabolite profiling using LC-MS

Bruce German of Nestle: Chemistry gets personal: Assessing human health

Ron Heeren of Amolf: Molecular microscopy: multi-modal tissue imaging in biomedicine

A special Expert Hearing will be organized by Karl-Siegfried Boos on “How to sample and prepare whole blood for LC-MS/MS analysis”.

A comprehensive exhibition of all major companies involved in LC/MS will be held and lunch sessions will be organized by these exhibitors to show the latest news in this field. Prior to the conference a series of short courses are running from 10–11 of November. These introductory courses are designed to stimulate newcomers to the world of LC-MS, data interpretation, sample pretreatment and multivariate statistics/chemometrics.

Registration for symposium/short courses: www.lcms-montreux.com

This list is a continuation of the one presented in issue no. 38 of our Newsletter. The managing board of the IAEAC is happy to see the number of prize winners steadily growing because the poster award for young scientists is a major „brand“ of our Association.

Occasionally there is a nice feedback from the side of the awardees as in the example related to the 8th Biosensor Workshop held at Goa/India in October 2007:



Hello, I am glad to inform you that our research has been covered by Hindustan Times today, Mumbai edition. Attached is a copy of the HT article.

*Best regards
Ayesha Chaudhary, Graduate Student
CSRI-SRF*

This biosensor work (Smart bio-sensor to rule out pricks for diabetics) had fetched me the Roland W. Frei Award in 2007 for the best poster presentation.

*Biomedical Engineering Group
Department of Biosciences and
Bioengineering*

IIT Bombay/India



List of the winners of the “Roland W. Frei” Poster Award

The 9th Workshop on Biosensors and Bioanalytical μ -Techniques in Environmental and Clinical Analysis, Montreal, QC, Canada, June 14–17, 2009

John Connell, Cornell University, USA
“Investigation of Electrochemical Microfluidic Biosensors for ultrasensitive detection”
David Troiani, McGill University, Canada
“Ultrasound Contrast Agents based on Molecularly Imprinted Hydrogel Sensors”

12th Workshop on Progress in Analytical Methodologies for Trace Metal Speciation (TRACESPEC 2009), Mainz, Germany, September 15–18, 2009

Elzbieta Lipiec, Laboratoire de Chimie Analytique Bio-Inorganique et Environnement, CNRS UMR 5254, Pau, France
“Analytical Approaches to Selenium Speciation in Eggs”

4th International Symposium on Recent Advances in Food Analysis (RAFA 2009) Prague, Czech Republic, November 4–6, 2009

Magdalena Biesaga, University of Warsaw, Department of Chemistry, Poland, “Historical and Archaeological Textiles: An Insight on Degradation Products of Woolen Yarns”

ELECTIONS

of the President and the members of the EEC



Candidate for President:

Professor Dr José A.C. Broekaert, Hamburg, Germany



Studied chemistry at the University of Gent (Belgium), Ph.D. in 1976. Alexander-von-Humboldt Research Fellow in GerStudied chemistry at the University of Gent (Belgium), Ph.D. in 1976. Alexander-von-Humboldt

Research Fellow in Germany in 1977 and from 1978 to 1991

researcher at the "Institut für Spektrochemie und Angewandte Spektroskopie" (now: Leibniz-Institut für Analytische Wissenschaften-ISAS, Dortmund, Germany). Lecturing graduate research courses in atomic spectrometry at the University of Antwerp (Belgium) since 1983. "Geaggregeerde voor het hoger onderwijs" (Doctor of Science) degree at the University of Antwerp in 1985. From 1991 to 1998 Associate Professor of Inorganic/Analytical Chemistry at the University of Dortmund. From 1998 to

2002 full Professor of Analytical Chemistry at the University of Leipzig (Germany) and since 2002 at the University of Hamburg (Germany). In 1998 Visiting Fulbright Research Scholar at Indiana University (Bloomington, IN, USA). Since 2004 Adjunct Professor of Chemistry at Indiana University (Bloomington, IN, USA).

Research interests include analytical chemistry with special reference to atomic spectrometry with plasma discharges (ICP, MIP, GD) and interests in sample introduction as well as in environmental and material analytical chemistry.

President of the German Working Party on Applied Spectroscopy (DASp) from 1995-1998 and since 2002. Member of the Extended Executive Committee of the International Association for Environmental Analytical Chemistry (IAEAC) since 2002. Organizer of the "1991 European Winter Conference on Plasma Spectrochemistry, Dortmund; the 3rd International Colloquium on Process Re-

lated Environmental Analytical Chemistry (PREACH), Leipzig (2000), the GDCh training course: "Atomspektrometrie" (annually from 2000-2005), and the 34th International Symposium on Environmental Analytical Chemistry (ISEAC34), Hamburg (2006). Co-organizer of the biannual "Anwendertreffen Plasmaspektrometrie" (since 1980) and the annual "Anwendertreffen: Röntgenfluoreszenz- und Funkenemissionsspektrometrie" (since 1994).

Member of Editorial Boards of the ICP Information Newsletters and of Editorial Advisory Boards of Analytical and Bioanalytical Chemistry, International Journal of Environmental Analytical Chemistry, Microchimica Acta as well as of Spectrochimica Acta, Part B. (Co)author of 215 refereed and ca. 100 unrefereed papers/chapters/books including a textbook "Analytical Atomic Spectrometry with Flames and Plasmas" (Wiley-VCH, 2002-2nd edition appeared 2005).

Prof. Dr Joan Albaiges, Barcelona, Spain



Prof. Dr Joan Albaiges is member of the Spanish Research Council (CSIC) since 1969 and established in 1979 at the CID (Barcelona) the Department of Environmental Chemistry, where

pioneering and internationally well known research activities on environmental organic chemistry, biogeochemistry of continental and marine waters and ecotoxicol-

ogy of organic pollutants started to develop.

He has served as Director of the CID (1982-1991), and as Minister of Universities and Research (Catalan Gv.) (1993-1999). He also spent ten years as Consultant for the UNEP Regional Seas Program, keeping a personal engagement in promoting technical cooperation with developing countries, particularly in Latin America. He has also been involved in several projects of UNEP Chemicals regarding the implementation of the Stockholm Convention (POPs).

He has been a member of the Advisory Board of several international programs and organizations, being actually coordinator of the EU network (19 countries) towards an integrated European marine research strategy and programme. He has contributed over 180 refereed articles to scientific journals and is Editor-in-Chief of the International Journal of Environmental Analytical Chemistry. He joined the IAEAC in 1985, where he has been involved in the organization of many scientific events and is actually the Vice-president.

Prof. Albaigés has been the recipient of several awards, including the Award for Nature Conservation from the Osborne Foundation in Spain, in 1973, the Award for Mass Spectrometry from Hewlett-Packard in 1986 and the Monturiol Award for Science Merit from the Government of Catalonia in 1989. He has also been elected member of the European Academy of Sciences and Arts, the Academia Europaea, and the Royal Academy of Sciences and Arts.

Prof. Dr Antje J. Baeumner, Ithaca, NY, USA



Dr. Baeumner received her M.S. in 1994 in Biotechnology from the Technical University of Braunschweig (Germany), and her Ph.D. in 1997 from the University of Stuttgart (Germany). She was at the Institute of Biotechnology at

Cambridge University (UK) for her master's thesis and during her Ph.D. spent time as visiting scientist at the Technical University of Munich (Germany) and at the

environmental research institute ENEA near Rome (Italy). She carried out a postdoc for two years in the Dept. of Food Science & Technology at Cornell University. In 1999 she joined the Dept. of Biological & Environmental Engineering at Cornell University, Ithaca, NY, USA as assistant professor, was promoted to associate professor with tenure in 2004 and to full professor in 2008.

Dr. Baeumner's research is focused on the development of electrochemical lab-on-a-

chip systems and optical biosensors for the detection of pathogenic organisms (such as E. coli, Dengue virus, and B. anthracis) in food and in the environment, and for biosecurity and medical diagnostics. Dr. Baeumner has 55+ publications and 5 patents. She receives federal funding for her research and collaborates with industrial partners.

Dr. Baeumner has co-organized and co-chaired the 5th International Workshop on Biosensors and Bioanalytical Techniques in Ithaca, NY, USA in May/June 2002 that

was presented in collaboration with the IAEAC.

She has also organized numerous symposia in microbiosensors and nanotechnology of pathogens and toxins in the environment, food and in clinical diagnostics for the Institute of Food Technologists (IFT), PITTCON, and the US Department of Agriculture. Dr. Baeumner also offered the workshop on biosensors held during PITTCON 2001-2003. Dr. Baeumner is the elected chair of the 2010 GRC on Bioanalytical Sensors.

Dr Luiz Felipe de Alencastro, Lausanne, Switzerland



Dr Luiz F. de Alencastro, Swiss and Brazilian citizen, is currently Senior Scientist and the director of the Central Environmental Laboratory (GR-CEL), a research and service lab dedicated to environmental analysis and molecular biology at the Ecole Polytechnique Fédérale de Lausanne (EPFL).

He obtained his diploma in Pharmacy - Biochemistry from the Federal University of Santa Maria, RS, Brazil. After 4 years working for the industry, he passed in 1980 a postgraduate diploma in Environmental Analytical Chemistry at the University of Geneva, Switzerland. He then carried out his PhD at the Swiss Federal Institute of Technology at Lausanne (EPFL), Switzerland.

Dr de Alencastro has written many articles and book chapters related to environmental contamination by organic chemicals. His main areas of expertise include the study of the effects of organic micro pollutants on the environment. His competences in the field of environmental pollution include the development of analytical methods for the analysis of trace organic compounds, determination of levels of contamination, impact assessment, set-up of laboratories and training. His recent research project concerns the elimination of personal care products during wastewater treatment by advanced systems like ozonation or activated carbon.

He is a member of the Scientific Council of the Pesticides Programme from the French Ministry of Ecology, Energy, and Sustainable Development and of the Sea.

He is in charge of the courses in "Pollutants analysis in the environment", "Environ-

mental engineering laboratory" and "Fate, impact and risks of pollutants" at the Environmental Science and Engineering Section of the EPFL.

An important part of his work is oriented toward the development of know-how in control of environmental pollution in Third World Countries in South America, Africa and Southeast Asia.

From 1986 to 2003, Dr de Alencastro took part in the creation and set-up of laboratories at the Honduran National Centre for Environmental Research (CESCO). There, he provided technical assistance and trained the staff of the centre.

In the frame of this collaboration, he was a member of the organizing committee of the 1st Latin-American and Caribbean Workshop on Environmental and Sanitary Analytical Chemistry, sponsored by the IAEAC

in 1989. During this time, Dr de Alencastro participated in the creation and development of RACAL (Latin American network on environmental analytical chemistry).

He also gives courses at the International Institute for Water and Environmental Engineering (master level) at Ouagadougou, Burkina-Faso.

Finally, being also interested in the environmental problems in Southeast Asia, Dr de Alencastro has been providing technical assistance to the Institute for Environment and Resources (IER-CEFINEA) of the Vietnam National University of Ho Chi Minh City, Vietnam. He participated in the organization of the 3rd Asian-Pacific International Conference on Pollutant's Analysis and Control in Vietnam, likewise sponsored by the IAEAC.

Dr. Montserrat Filella, Geneva, Switzerland



Dr Filella studied Chemistry with specialization in Biochemistry at the University of Barcelona/Spain. She did a Master in Environmental Engineering in Spain (1983) and a second one in Analytical Chemistry of the Environment at the University of Geneva/Switzerland (1989–1991). PhD in Analytical and Bioinorganic Chemistry (1986) at the University of Barcelona and the

UWIST, Cardiff/UK. Postdoctoral research at the INSERM, Toulouse/France (1986) and at the University of Geneva/Switzerland (1987–1989). Postdoctoral fellow and lecturer at the University of Geneva/Switzerland since 1990 where she teaches Environmental Chemistry. She has lectured at the Open University/UK, Université de Savoie, Chambéry/France and Université de Bretagne Occidentale, Brest/France. Other international scientific engagements abroad include activities as invited professor at the LCPE, Nancy/France and as a visiting professor at the Laurentian University/Canada and Murdoch University/Australia. Dr Filella has a strong interest in the divulgation of science and actively participates in international science festivals.

Dr Filella's main research interests focus on the understanding of physico-chemical processes regulating the behaviour of chemical components in environmental and biological compartments, mainly by combining computer modeling with field and laboratory measurements. The three main axes of her research concern the study of: colloids in natural waters, natural organic matter and group 15 elements. She has published 120 refereed papers and book chapters. Referee of many international journals in the analytical and environmental fields. Member of several scientific societies and fellow member of IUPAC. She is currently the task group leader of a IUPAC project concerning the building of a Humic-Metal Binding Constants Database.

Dr Filella was admitted as a member in the International Association of Environmental Analytical Chemistry (IAEAC) in 1986. She co-organised the IAEAC Workshop on Progress in Analytical Methodologies for Trace Metal Speciation, Lisbon/Portugal in September 2000 and the IAEAC Workshop on Trace Metal Speciation in Dortmund/Germany in September 2002. She organised and was the chairlady of CHEM-SPEC2005 – 10th IAEAC Workshop on Progress in Analytical Methodologies in Trace Metal Speciation in Luxembourg in April 2005 and co-chaired the 11th Workshop in Münster (2007) and the 12th one in Mainz (2009).

Dr Roberto Pilloton, Rome, Italy



Studies in Analytical Chemistry at the University of Rome “La Sapienza”. Habilitation for Analytical Chemistry in 1986.

In 1987, he worked at the same university with a fellowship of ESACONTROL Medical Bioelectronic (affiliate to the industrial

group Ansaldo), in 1988 at the University of Rome (Tor Vergata) with a fellowship of ESAOTE (affiliate of the same group) and finally from 1989 to 1991 with a fellowship of ENEA (National Agency on Energy, Environment and New Technologies). In 1991 he got a permanent job as a researcher in analytical chemistry at ENEA (New Technology Department). He was a contracted Professor at the University of Pavia (1999) for a course on “Biosensors in Environmental Analytical Chemistry”.

Major research interests include environmental analytical chemistry with particular emphasis on electrochemical biosensors employing enzyme immobilisation tech-

niques, electrochemical detection, flow systems, and thick film technologies, and their application in environmental, clinical and food analyses. Author (co-author) of about 50 refereed papers.

He worked in international groups in Italy, Germany, Sweden, and France. Scientific engagements abroad include activities as a visiting scientist in the frame of several EU community projects at the University of Stuttgart (ITB, Institut für Technische Biochemie, D), University of Lund (PAB, Pure and Applied Biochemistry, S), the GBF (Braunschweig, D), and the Thomson Research Centre (Paris, F). Several bilateral interdisciplinary environmental research

projects funded by Italian (CNR) and Turkish research institutes were carried out in Turkey (Ege University, Izmir).

Since 2001 he is responsible of the ENEA target project on Biosensors and Bioelectronics and of EU and national projects.

He has also refereed several original papers to be published in international journals. In 1999 he organized the 2nd Italian Workshop on Biosensors and, in 2004, the IAEAC event “6th Workshop on Biosensors and Bioanalytical μ -Techniques in Environmental and Clinical Analysis”. In October 2010 he will be the Chairman of ISEAC 36.

Prof. Dr Jacek Namieśnik, Gdańsk, Poland



Studies in chemistry at the Gdańsk University of Technology. PhD in 1978, professor for Analytical Chemistry since 1996.

From 1996 to 2002, and from 2005 Dean of Chemical Faculty, Gdańsk University of Technology. Additionally Head of the Analytical Chemistry Department since 1995.

Major research interests include elaboration of new analytical procedures for the determination of trace and ultratrace constituents in samples characterized by complex composition of the matrix, design and testing of specific (fit for purpose) analytical units and measuring devices, production of new types of matrix-free reference materials. Author and editor of 8 books, author and co-author of over 300 papers and over 400 lectures and communications published in conference proceedings, 10 patents.

For many years member of several Editorial Boards, e.g. Journal of Chromatography A, Critical Reviews in Analytical Chemistry, The Open Analytical Chemistry Journal, Regional Environmental

Change, and Toxicological and Environmental Chemistry. Coordinator and/or participant of over 20 research projects including those financed by the EU: European catchments' changes and their impact on the coast.- EUROCAT (2002-2004); Training on the production and use of reference materials in newly associated states -TRAP-NAS (2002-2003); Improving the infrastructure for metrology in chemistry in the candidate net member states - QUANAS (2003-2005); The European virtual institute for reference materials - VI-RM (2003-2005); Center of Excellence in Environmental Monitoring and Analytics - CEEAM, (2003-2005); European Lifestyles and Marine Ecosystems - ELME, (2004-2006).

Prof. Namieśnik has been the recipient of several awards, including the Award of Prime Minister of Poland in 2008, the Kemula Medal for achievements in the field of analytical chemistry in 2007, and the Town of Gdańsk Jan Hevelius Scientific Award in 2002. Professor honoris causa, University of Bucharest (Romania) since 2000.

Local Organizer and Chairman of the 35th International Symposium on Environmental Analytical Chemistry (ISEAC 35) in Gdańsk, Poland in June 2008. Chairman of the Organizing Committee of the 15th International Conference on Heavy Metals in the Environment (ICHMET- 2010).

Prof. Dr Joseph Tarradellas, Lausanne, Switzerland



Main teaching activities

Prof. J. Tarradellas has been Director of the EPFL Environmental Science and Engineering Section of the EPFL-ENAC Faculty from 2004 to 2005. He has been in charge of the courses in Environmental Chemis-

try, Ecotoxicology and Sustainable development at the EPFL, from 1986 to 2005.

He was an Invited Professor at the Universities of Dijon and Toulouse (France), Montréal (Canada), Montevideo (Uruguay) and Ho Chi Minh City (Vietnam).

Research activities

Prof. J. Tarradellas has created in 1979 the Ecotoxicology Research Group of the IGE-EPFL integrating from 1997 to 2001 the IATE-GECOS. He has been chairman of the CECOTOX (Environmental Chemistry and Ecotoxicology) laboratory at EPFL from 2002 to 2005.

CECOTOX was working on the problems brought about in aquatic and terrestrial ecosystems by organic priority pollutants and pesticides (such as POPs, poly-chloro-biphenyls, dioxins and dibenzofuranes, polycyclic aromatic hydrocarbons, alkyl-, nitro- and chlorophenols, surfactants, organotins, triazines, sulfonylureas, endocrine disruptors and medical drugs), and by solid and liquid wastes.

Researches of CECOTOX included the development of new analytical methods for assessing traces of pollutants in aquatic and soil environments and of bioassays for assessing the environmental toxicity of organic pollutants. Prof. J. Tarradellas and

the CECOTOX Group were involved in several International Programmes. They have developed also activities in the fields «Developing Countries and Environment» and of «Sport and Environment».

Prof. J. Tarradellas has written 4 books and more than 100 refereed papers in scientific journals. He is a member of the Executive Committee of the International Association of Environmental Analytical Chemistry (IAEAC) since 1990, has served as its President from 1994 to 2002, and is presently its Cashier.

Since January 2006 he is Honorary Professor of the EPFL.

Prof. Dr James W. Readman Plymouth, United Kingdom



Currently a Professor of biogeochemistry at the Plymouth Marine Laboratory and leads fundamental research into the composition/cycling of organic material and the behaviour and impact of pollutants in estuarine and coastal environments. Commenced employment as an environmental research chemist in 1978 and has since gained professional experience in academic, governmental and industrial contract research, and in United Nations laboratories.

From 1999 to 2001, he was Head of the Pollution Research for the UK Centre for Coastal & Marine Sciences. From 1996–1999, he was Head of Biogeochemistry at the Plymouth Marine Laboratory and prior to that, for seven years, of the Organic Chemistry Unit at the International Atomic Energy Agency – Marine Environment Laboratory based in the Principality of Monaco (the only marine environmental laboratory within the United Nations system).

He has published over 100 refereed papers relating to environmental science and analytical chemistry in Journals including: Nature, Environmental Science and Technolo-

gy, Marine Chemistry, Marine Ecology Progress Series, the Science of the Total Environment, Marine Pollution Bulletin, Marine Environmental Research, Estuarine & Coastal Shelf Science, Organic Geochemistry, Deep Sea Research, Chemosphere, Aquatic Toxicology, Mutation Research, The Analyst, Analytica Chimica Acta, Fresenius Z. Analytische Chemie, the International Journal of Environmental Analytical Chemistry and the Journal of Chromatography.

He has organized, chaired and participated in numerous (approximately 140) international symposia and United Nations meetings and conferences on environmental pollution. He has advised the UK Government through membership of the Advisory Committee on Hazardous Substances. He has attended IAEAC events throughout his career and organized ISEAC 32 in Plymouth in 2002. He joined the IAEAC Executive Committee in 2002 and served as Secretary of the IAEAC from 2002 to 2006.

Invitation to become a member of IAEAC

If, whilst reading this Newsletter, you are not currently a member of IAEAC, we invite you to visit our website (<http://www.iaeac.ch>) and read about the benefits of membership. Full details and the appropriate application forms are provided on-line. Information about IAEAC can also be obtained from the Assistant to the Secretary:

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