



Reports of the ISE Regional Representatives

The reports in the following pages were submitted to the ISE Executive Committee on September 2011, on the occasion of the Regional Representatives meeting held in Niigata, Japan. The individual reports are preceded by a summary prepared by the ISE Vice-President responsible for Regional Sections, Hiroshi Nishihara.

September 8, 2011

Hiroshi Nishihara

Summary of the RR reports

I. Change in the number of ISE members

Increase: Austria, Belgium, Canada, Chile, Czech Republic, Estonia, Finland, France, Greece, Hungary, Ireland, Israel, Korea, Norway, Portugal, Serbia, Sweden, Ukraine, UK

Decrease: Iran, Spain

Constant: Argentina, Brazil, Croatia, Italy, Mexico, Netherlands, Norway

Not mentioned: China, Germany, Japan, Lithuania, Poland, Romania, South Africa, Switzerland, USA, Venezuela:

New: Australia

II. Announcement of Future meetings

Australia: Organisation is in full swing for the 10th ISE Spring Meeting in Perth and an associated one day symposium of the Electrochemistry Division of the Royal Australian Chemical Institute on the 15th April 2012. All are invited to attend these meetings.

Austria: Electrochemical Micro and Nanosystem Technologies, *EMNT2012*, in Austria as satellite to the *Annual ISE Meeting Prague 2012*. Organizer: A.W. Hassel, Johannes Kepler University, Linz, Austria

Belgium: A one day workshop on the topic "Electrochemistry and Biointerfaces" will be organized at the Université Libre de Bruxelles on September 23rd 2011.

Brazil: At the moment, under the presidency of Prof. Artur J. Motheo, from the University of S. Paulo (São Carlos, Brazil), a committee is organizing the *XX Congress of the Iberoamerican Society of Electrochemistry* –, SIBAE, to be held in Fortaleza, Brazil, March 25 – 30, 2012.

Canada: Our proposal to organize one of the ISE 2014 Spring/Topical Meetings in Niagara Falls, Ontario, Canada, has been approved. Preparation for the meeting is under way.

China: The 16th Annual meeting of CES will be held very soon in Chongqing in October 13-17, 2011, chaired by Prof. Zhongfan Liu and Jianhua Lin. Over 1000 electrochemists are scheduled to attend the conference including two plenary speakers from abroad.

Croatia: In the next year our member Zoran Mandić (University of Zagreb) will organize The 6th European Summer School of Electrochemistry Engineering from 16. till 21. September 2012 in Zadar. Informations on the school you can find on: www.fkit.hr/essee6. The school will be sponsored by ISE.

Czech Republic: Main activities were connected with the preparation of 63th annual ISE meeting in Prague (2012).

France: A proposal to hold an ISE Spring Meeting in France in 2015 was submitted in March to the

Executive Committee. The proposal will be revised according to the Committee's comments and submitted in 2012.

Germany: The next annual meeting will be again an electrochemistry conference taking place in Munich, September 17-19, 2012 (organisers K. Krischer, H. Gasteiger). The meeting will continue along the guidelines established for Giessen and Bochum: National meeting but English only, condensed schedule and limited duration, ample room for poster presentations, international guests for plenary and key note speakers on invitation, comparatively low registration rates, rotation of board members, cooperation between academia and industry, Assignment of sessions according to submission from the community. We will not aim to make it an international meeting but guest, in particular from neighboring countries, are very welcome. There will be a particular emphasis of integrating the scientists from Austria and Switzerland. Submission of contributed papers from abroad will be handled completely equal to submissions from Germany.

6-9 November, 2011, International workshop: Polymers at Electrodes – A Quarter of a Century later, Bad Schandau, Germany (organizers: L. Dunsch)

Israel: Isranalytica 2012, the 15th annual meeting of the Israel Analytical Chemistry Society will be held on 24-25 January at the David Intercontinental Hotel, Tel-Aviv, Israel.

Italy: A proposal for organising a Spring Meeting on *Materials for Electrochemical Sensing* in Italy in 2015 has been made and will be reconsidered in view of the observations received by the Scientific Meetings Committee.

Lithuania: We have resubmitted proposal to organize ISE Spring meeting in Lithuania in 2015 or later.

Poland: Another ISE sponsored meeting, namely the 5th International Workshop on Surface Modification for Chemical and Biochemical Sensing (SMCBS'2011) is organized by Marcin Opallo and Wlodzimierz Kutner from Institute of Physical Chemistry, Polish Academy of Sciences (November 4-8, 2011). Main theme of the workshop will concern chemical and non-chemical decoration of solid surfaces electrodes) towards selective recognition and determination of various substances. Information can be found on: <http://science24.com/event/smCBS2011/>.

Romania: Participation in the preparation of the Third Regional Symposium on Electrochemistry South-East Europe to be held in 2012 in Romania.

South Africa: The 13th Topical Meeting of the ISE (proposed topic: 'Advances in Nanoscale Electrochemical Materials Science and Manufacturing') will now be held in Pretoria, South Africa, April 8 – 11, 2013. PLEASE diarise the date and tell everyone, we look forward to welcoming you to the motherland, Africa!

We will also organise a symposium on "Materials in Electrochemistry" in the forthcoming 6th International Conference of the Africa Materials Research Society (6th A-MRS), December 11 – 16, 2011, Victoria Falls, Zimbabwe. This symposium will also be sponsored by the ISE.

Switzerland: The organization of the 65th annual ISE meeting 2014 in Lausanne has been started (Chairman: Prof. Hubert Girault)

UK: We are also in the process of preparing a sponsorship application to the ISE for Postgraduate Meeting on nanopore sensors, which will take place at Imperial College London in December (date TBC, organized by Dr Ulrich Keyser). These activities are very important, in my view, to enhance the visibility of the ISE to junior scientists and to recruit future members.

USA: A preparation for a spring meeting held in the USA (Georgetown University, Washington, DC, May 2012) is under way.

III. Problems to discuss

Netherlands: It could be interesting to discuss during the upcoming meeting of the regional representatives the involvement of the ISE and the RR in social media, like Facebook and LinkedIn. This item was discussed a few years ago already but we think it could be a good idea for the ISE to be more visible in this area considering that most of the target audience for membership are young researchers, most of whom are quite involved in social media.

Germany: German universities find it increasingly difficult to agree to the prices and contract terms for the journal packages from Elsevier Company. My University had to cancel subscription to *all* Elsevier journals 5 years ago. Now the more wealthy southern states within Germany cannot afford the Elsevier packages and Universities one after the other have to cancel subscriptions. This goes along with strong urge from the side of the University presidencies to consider other journals than those published by Elsevier for publications, review and editorial activities. Due to the strong position of the electrochemistry journals, this brings electrochemists in a conflict. The unpleasant situation is enhanced by the position of *Electrochim. Acta*, ISE's scientific journal, within the Elsevier portfolio. Many ISE members wish to support the activity of *Electrochim. Acta*, but are reluctant to contribute to Elsevier electrochemistry portfolio. I therefore feel it necessary to ask the ISE Executive to discuss and prepare alternatives for publishing *Electrochim. Acta* with this publisher. I know the issue is not new, it is complex, but the societies need to do something. The current way does not seem to be sustainable any more.

Hungary: When I became a candidate for the RR of Hungary, I prepared a program in which the organization of an ISE Spring Meeting was named as a viable goal of the Hungarian ISE community. However, the strength of the Hungarian community alone does not seem to be sufficient for such a task, and this holds for various small countries in our region. Therefore, I suggest that the organization of such meetings could be performed in the same way as those of several sport events recently; i.e., with the contribution of two neighbouring countries. I keep searching for a partner among the ISE personals of the neighbouring countries.

Norway: As previous year, the funding of research in Norway has for many of the programmes relevant for electrochemistry shifted their focus from basic research to demonstration and industry projects. This is especially true in the area of renewable energy, which has been very important for Norwegian electrochemistry in recent years. This has affected the success rate for the academic and research institute sectors quite significantly, and we funding from the EU is becoming more

attractive as national sources dry up. The previously reported shift in the interest for PhD studies within electrochemistry has continued, and more Norwegian master students have chosen to continue their education with a PhD.

Venezuela: Conditions for scientific research in Venezuela have been deteriorating in recent last years due to governmental efforts to impose tight controls on scientific activities [1,2]. A significant indicator of scientific achievement is the publication of research results in mainstream scientific journals. As a suitable example, a ScienceDirect search for the period 2010-2011 yields two (2) articles on *Electrochimica Acta* with “Venezuela” occurring on the affiliation field, one of them from a Florida (USA) university, while a wider search results on 9 electrochemistry related publications for the same period (USB-Sartenejas (4 papers), ULA-Táchira (2), IVIC-Pipe (2), ULA-Mérida (1) and UDO-Cumaná (1)). Despite severe restrictions due to currency exchange controls and funding cuts aggravated by annual inflation rates at around 30%, the Venezuelan electrochemistry community has managed to preserve their local activities with regularity, although drastically reducing participation in events abroad. Hence, significant increases in ISE membership or attendance to ISE meetings do not seem feasible under the present circumstances and the sustainability of Venezuela as a regional chapter of ISE is severely compromised.

1.- <http://news.sciencemag.org/scienceinsider/2010/12/new-law-gives-venezuelangovernmt.html>

2.- *Nature* 469, 11 (2011) | doi:10.1038/469011a

International Society of Electrochemistry Annual ISE report of Argentina– 2010/2011

Number of members

* ISE members and recruitment.

To recruit new members, letters have been sent to colleagues publishing in *Electrochimica Acta*, based on the lists given by Marco Musiani. In 2011 there are 36 ISE members in Argentina, which is within the average value over the last three years.

* At the end of 2008, election for an RR-ISE of Argentina for the period 2009-2011 was performed, resulting in a high participation voting rate and Maria Elisa Martins as the reelected candidate.

* Ernesto J. Calvo, Buenos Aires, Argentina (2009-2011), is one of the Vice Presidents of ISE, Responsible for Corporate and Corporate Sustaining Members.

*Unfortunately, argentine members will not be able to assist at the 62nd Annual Meeting of the ISE in Niigata, Japan, due to financial straits.

Participation and organization of national and international electrochemistry conferences

*During this period, Argentine electrochemists have taken part in a number of international and national conferences on Electrochemical and Physical Chemistry topics.

*Several Electrochemistry-related courses were organized in Argentina.

*XVII CONGRESO ARGENTINO DE FISICOQUÍMICA Y QUÍMICA INORGÁNICA. Córdoba, 3 al 6 de Mayo de 2011. "PUNTO DE ENCUENTRO DE LA FÍSICA, LA QUÍMICA Y LA BIOLOGÍA".

*Cuarto Congreso Nacional – Tercer Congreso Iberoamericano. “Hidrógeno y Fuentes Sustentables de Energía” – HYFUSEN 2011. Mar del Plata, 3 al 6 de junio 2011, Argentina.

*XIX Congreso de la SIBAE/XXXI Reunión del Grupo de Electroquímica de la Real Sociedad Española de Química. 27 de junio al 2 de julio de 2010. Universidad de Alcalá de Henares, Alcalá de Henares, Madrid, España.

Maria Elisa Martins
Regional Representative
Argentina

La Plata, september 2011.

Report 2011 of the ISE Regional Representative for Australia

Prof Justin Gooding

Membership

This is the first report of an Australian regional representative as we have only recently been granted regional status. Currently there are 33 ISE members from Australia, a number that has grown rapidly from around 15 only two years ago. This number will be expected to grow with the 10th SIE Spring meeting to be held in Perth Australia on April 15th to 18th 2012.

Activities

A number of Australian representatives attended the ISE Annual meeting in Nice and a couple were also present at the 9th ISE Spring Meeting in Turku. Many attendees are also expected to attend the next ISE Annual meeting at Niigata.

There was also an Australian Electrochemical meeting held in Wollongong, near Sydney, between February 9th-11th 2011.

Organisation is in full swing for the 10th ISE Spring Meeting in Perth and an associated one day symposium of the Electrochemistry Division of the Royal Australian Chemical Institute on the 15th April 2012. All are invited to attend these meetings.



ISE Regional Representative AUSTRIA Report 2011

Prof. Dr. Wolfgang **Kautek**
University of Vienna, Austria
Chair, Department of Physical Chemistry
Phone : +43 1 4277 52470
Fax : +43 1 4277 52449
Email : wolfgang.kautek@univie.ac.at
Web institutional:
<http://pchem.univie.ac.at/en/arbeitsgruppen/nano/>
Web personal: pchem.univie.ac.at/

⇒ ISE Members in Austria

Active acquisition led to a 20% increase of the number of ISE members within Austria to 20.

⇒ Electrochemical teaching at Austrian universities

Existing university chairs active in electrochemistry teaching (all active ISE members) are

- Prof. Dr. Juergen FLEIG (Vienna University of Technology, Department of Chemical Technologies and Analytics; j.fleig@tuwien.ac.at; http://info.tuwien.ac.at/echem/groups/fleig/groups_fleig_g.html)
- Prof. Dr. Wolfgang KAUTEK (University of Vienna, Department of Physical Chemistry; wolfgang.kautek@univie.ac.at; <http://pchem.univie.ac.at/en/arbeitsgruppen/nano/>)
- Prof. Dr. Achim Walter HASSEL (Johannes Kepler University, Institut für Chemische Technologie Anorganischer Stoffe; achimwalter.hassel@jku.at; <http://www.jku.at/ictas/>).

⇒ GDCh-Price in Applied Electrochemistry for Austrian ISE member

(“Förderpreis auf dem Gebiet der Angewandten Elektrochemie” 2011, GDCh-Fachgruppe Angewandte Elektrochemie) Dr. Alexander Opitz (Vienna University of Technology)

⇒ Electrochemical Activities in Austria

(1) *Engineering of Functional Interfaces*

Johannes Kepler University Linz, 19-20 July 2011

Organizer A. W. Hassel

Keynotes e.g.: “A new challenge for electrochemical device engineering: the characterization of energy fluxes in chemical surface reactions”, Detlef Dising, University Duisburg-Essen.

“Photonic Interface Processing Diagnostics”, Wolfgang Kautek, University of Vienna.

(2) *ISE Annual Meeting 2011*, Niigata
Symposium 3: Electrochemical Micro System Technology
co organisation by A.W. Hassel, Johannes Kepler University, Linz, Austria
together with Chee-Seng Toh (Coordinator), Nanyang Technological University, Singapore
Patrik Schmuki, University Erlangen-Nuremberg, Germany
Yasuhiro Fukunaka, Waseda University, Japan; Takayuki Homma, Waseda University, Japan
Tetsuya Osaka, Waseda University, Japan

(3) Planned: Electrochemical Micro and Nanosystem Technologies, *EMNT2012*, in Austria
as satellite to the *Annual ISE Meeting Prague 2012*
Organizer: A.W. Hassel, Johannes Kepler University, Linz, Austria

(4) Guest Editor *Special Issue 62nd ISE Annual Meeting, Symposium 3*:
A.W. Hassel, Johannes Kepler University, Linz, Austria

(5) *Electrochim. Acta Special Issue for EMNT 2010*, Cannes, guest editors A.W. Hassel with M.
Vincent, P. Marcus.

(6) Energy-related research in Austria:

- Prof. Dr. Juergen Fleig (Vienna University of Technology, Institute of Chemical Technologies and Analytics; http://info.tuwien.ac.at/echem/groups/fleig/groups_fleig_g.html)
- Prof. Dr. Werner Sitte (University of Leoben, Department General, Analytical and Physical Chemistry, Chair of Physical Chemistry; <http://www.unileoben.ac.at/content/view/1727/1848/lang,en/>).
- The *AIT Austrian Institute of Technology*, Vienna, Austria, now has a growing activity on Electrical Energy Storage Systems (<http://www.ait.ac.at/research-services/research-services-mobility/testing-and-validation-of-electric-components/electrical-energy-storage-systems/?L=1>).

(7) The present Board of Owners of the *Competence Centre for Electrochemical Surface Technology* CEST in Wiener Neustadt, south of Vienna, Austria, now consists of the University of Vienna, The Vienna University of Technology, the Graz University of Technology, Andritz AG (Graz, Austria), MAGNA STEYR Fahrzeugtechnik AG & Co KG (Graz, Austria), voestalpine Stahl GmbH (Linz, Austria), Collini Holding AG (Hohenems, Austria), and EADS Deutschland GmbH (Munich, Germany). The Board of Owners hired a new Commercial Manager (A. Balatka) and a new Scientific Manager (C. Kleber).

(8) A research project "*Functional oxide surfaces*" (FWF-SFB, Austria) has been launched at the Vienna University of Technology (Coordinator G. Rupprechter).

(9) PhD research programmes are being undertaken in „*Electrochemical In-situ Techniques*“ and in „*Electrochemistry in Arts Conservation Science*“ with Prof. Dr. Wolfgang Kautek (University of Vienna, Department of Physical Chemistry; wolfgang.kautek@univie.ac.at; <http://pchem.univie.ac.at/en/arbeitsgruppen/nano/>)

Vienna, September 1, 2011



Wolfgang Kautek
Regional Representative Austria

ISE Report from the Belgian Regional Representative - August 2011-

Members

The number of ISE members within Belgium is 40. An increase of 5 members has been noted compared to 2010.

The interest of the Belgian ISE members in the different divisions is given here (listed from high to lower interest)

- Division 4: ELECTROCHEMICAL MATERIALS SCIENCE - 17 members
- Division 1: ANALYTICAL ELECTROCHEMISTRY - 15 members
- Division 3: ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE-14 members
- Division 6 MOLECULAR ELECTROCHEMISTRY - 11 members
- Division 2: BIOELECTROCHEMISTRY- 11 members
- Division 7 PHYSICAL ELECTROCHEMISTRY – both 9 members
- Division 5: ELECTROCHEMICAL PROCESS ENGINEERING AND TECHNOLOGY – 9 members

Activities

- The Annual Symposium of the KNCV Working Group (Netherlands) on Electrochemistry has been held in Eindhoven on November 26th, 2010. The symposium, entitled: “Electrochemistry for Electronics: from Nano- to Large-Scale Applications”, is a common meeting ground for fundamental and applied electrochemistry experts from the Netherlands and Belgium.
- The Annual Meeting of the ISE, Sept. 26th – Oct. 1st, 2010, Nice, France was well attended by Belgian ISE members. In Japan only a few Belgian electrochemists will be able to participate and at least two will give an oral presentation.
- A one day workshop on the topic “Electrochemistry and Bionterfaces” will be organized at the Université Libre de Bruxelles on September 23rd 2011.



Prof. Claudine Buess-Herman

International Society of Electrochemistry

Report of the ISE Brazilian Section for the period 2010-2011

As mentioned in the previous annual report, the Brazilian ISE membership fluctuates somewhat depending on where the annual and spring meetings are held. This period the Brazilian membership (75, on 1st September 2011) increased a little since September 2010, when it was 69. This is certainly a consequence of the good participation in the ISE annual meeting held in Nice (84 presentations – 17 oral and 67 poster presentations). Unfortunately, only 6 presentations are scheduled in the ISE 2011 Niigata meeting (3 oral and 3 poster presentations, by four participants); this might cause a decrease of the Brazilian membership in 2012.

In 2011, the section on [Electrochemistry and Electroanalytical Chemistry](#) in the 34th Annual Meeting of the Brazilian Chemical Society – SBQ (held in Florianópolis in the end of May), organized by its Division on Electrochemistry and Electroanalytical Chemistry – DEE, an ISE formal partner, had 206 poster presentations programmed. Additionally, an oral session was also organized (<http://sec.s bq.org.br/cdrom/34ra/programa.htm#CC>), coordinated by Prof. Roberto Torresi, an ISE member from the University of S. Paulo (São Paulo city, Brazil); then, three keynote lectures and five oral presentations were made. Furthermore, Prof. Susana I. Córdoba de Torresi, also from the University of S. Paulo (São Paulo city, Brazil) and currently one of the ISE elected vice-presidents, presented one of the invited lectures of the meeting: “Relationship between structure-size-geometry and electrochemical activity of smart materials”.

The [XVIII Brazilian Symposium on Electrochemistry and Electroanalytical Chemistry](#), the largest meeting in the area in Brazil, was held in Bento Gonçalves, August 28 – September 1st, 2010, when more than 600 oral and poster presentations were programmed. The organizing committee was presided by Prof. Luis Frederico P. Dick, from the Federal University of Rio Grande do Sul (Porto Alegre, Brazil), also an ISE member.

It should be mentioned that the 5th *Electrochemistry School*, organized under the coordination of Prof. Roberto Torresi, was held in December of 2010 in the city of São Paulo, in the Institute of Chemistry of the University of São Paulo, again with a good attendance by PhD students and post-doctoral fellows. The [6th Electrochemistry School](#) is planned for December 4-10, 2011.

Finally, it should also be mentioned that, at the moment, under the presidency of Prof. Artur J. Motheo, from the University of S. Paulo (São Carlos, Brazil), a committee is organizing the [XX Congress of the Iberoamerican Society of Electrochemistry](#) – SIBAE, to be held in Fortaleza, Brazil, March 25 – 30, 2012.

1st September 2011

Romeu C. Rocha-Filho

ISE Brazilian Representative

ISE Report 2011 from the Regional Representative of Canada

Membership

The number of the ISE members within Canada has increased from 65 in December 2010 to 77 in August 2011.

Participation in the Executive Committee of the ISE

- Vice-president, Dr. R. McCreery, Edmonton, Canada. Responsible for Educational Activities.
- Secretary General, Dr. S. Roscoe, Wolfville, Canada. (Dr. Roscoe was re-elected to the third term 2011–2013; unfortunately she had to step down in May 2011 for health reasons. Best wishes to Dr. Roscoe)
- Division Chair Elect of Physical Electrochemistry, Dr. M. Eikerling, BC, Canada

Activities as the Regional Representative

- Our proposal to organize one of the ISE 2014 Spring/Topical Meetings in Niagara Falls, Ontario, Canada, has been approved. Preparation for the meeting is under way.
- As the Chair of the meeting, I visited the possible conference vendors located in Niagara Falls in November 2011.
- After a number of phone calls and emails, an agreement between the meeting vendor Crowne Plaza Niagara Falls-Fallsview and ISE was reached and signed in May 2011.
- To promote ISE and to recruit new members in Canada, I put a two-page newsletter together and sent it before the 2011 New Year to all ISE members within Canada and to non-ISE members who have research interests in Electrochemistry.

Aicheng Chen
Professor and Canada Research Chair
ISE Regional Representative - Canada

August 25, 2011

ISE Regional Representative of Chile

2010/2011 Report

The electrochemical Chilean community is small. We belong to the Chilean Chemical Society, forming the Electrochemical Division. In 2011 there are 20 Chilean members in the ISE from Chile, the largest representation ever achieved. However, the Chilean representative to the 62nd Annual Meeting in Japan will be less than usual concurred in Nice, mainly by the distance and the earthquake, and the subsequent consequences. Very recently, we here in Chile, we live a disaster of similar magnitude.

Activities:

- The Electrochemical Division of the Chilean Chemical Society organized the III Chilean Electrochemistry Symposium in Valle Dorado, Villa Alemana, in 2010, November 17-19. This symposium was very successful, with participation of many undergraduate and graduate students and their advisors.
- It has remained the cooperation between the electrochemists of the different Chilean Universities through participation in evaluation committees and monitoring of graduate students.
- Now, in the International Year of Chemistry, we are preparing the Electrochemical Division Symposia to be held in November as part of the biennial meeting of the Chilean Chemical Society.

Report of the China Section of ISE 2011

1. Scientific meetings

1) 16th Annual meeting of Chinese Electrochemical Society (CES)

The 16th Annual meeting of CES will be held very soon in Chongqing in October 13-17, 2011, chaired by Prof. Zhongfan Liu and Jianhua Lin. Over 1000 electrochemists are scheduled to attend the conference including two plenary speakers from abroad. The topics of the conference will cover all the current electrochemical researches, including fundamental electrochemistry, Li ion battery, fuel cell, supercapacitors and other batteries, industrial electrochemistry and electrochemical engineering, Bioelectrochemistry/organic electrochemistry, environmental electrochemistry, electroanalytical chemistry and sensors, and materials electrochemistry.

2) 26th Annual meeting of Chinese Chemical Society (CCS), Electrochemistry Section

The CCS annual meeting was held in June 20-23, 2010 in Xiamen University. As the active member of CCS, CES organized the Electrochemistry Section. The main theme was focused on the frontiers of electrochemistry and clean energy. Over 200 Chinese electrochemists attended the symposium.

3) Other related meetings organized by CES include, Environmental electrochemistry workshop (Aug. 6-9, 2011, Jilin University), 12th National organic electrochemistry and industrial applications conference (September 17-20, 2010, Shanghai), etc.

2. Board meeting of Journal of Electrochemistry and editor change

The Board meeting of The Journal of Electrochemistry (电化学) was organized in Jan 21-22, 2011 in Xiamen University. The meeting decided to increase 10 board members from abroad for the purpose of expanding its influence. The founding Editor, Prof. Zhaowu Tian was retired at the meeting and Prof. Shigang Sun was elected as the new Editor of the journal.

Zhongfan Liu
Regional representative, China
Peking University
Beijing 100871
China
August 18, 2011



ISE - ANNUAL REPORT FOR CROATIA / HRVATSKA 2010 / 2011

Number of members:

The current number of ISE members in Croatia is 30. It is changed from last year for one scientist, namely Dr. Marina Mlakar.

Activities:

During the last year we were very active. Our young members March 3th, 2011, organized by Dijana Jadreško. The details of meeting you can find on:

http://www.irb.hr/hr/str/zimo/laboratoriji/lfkt/Kongresi/2011_03_ISE/

The 9th International Microsymposium on Electrochemical Impedance Analysis was organized by Višnja Horvat-Radošević in Rovinj from 02. till 05. 06. 2011. The meeting was sponsored by ISE. The program of this very successful conference you can find on:

<http://eia-2011.irb.hr>

The year of chemistry we celebrate by creating an electrochemistry page within Croatian Wikipedia with descriptions of all electrochemistry terms (<http://hr.wikipedia.org/wiki/Elektrokemija>). The project was led by Martina Medvidović, the young electrochemist from University of Osijek.

In the next year our member Zoran Mandić (University of Zagreb) will organize The 6th European Summer School of Electrochemistry Engineering from 16. till 21. September 2012 in

Zadar. Informations on the school you can find on:

www.fkit.hr/essee6. The school will be sponsored by ISE.

Some of our members will be present on our 62th meeting in Niigata.

As you see we were very industrious in the last year. I am very proud of all my colleges and I am thanking them all for their efforts.

Have a nice day. I am looking forward to meet you soon,

Šebojka Komorsky-Lovrić

ISE-RR of Croatia / Hrvatska

Zagreb, 15. 08.11.



J. Heyrovský Institute of Physical Chemistry, v.v.i.
Department of Molecular Electrochemistry
Dolejškova 2155/3, 182 23 Praha 8
Phone: (+420) 266 053 197, (+420) 266 05 3188
Fax: (+420) 286 582 307, e-mail: hromadom@jh-inst.cas.cz

July 28, 2011

REPORT 2011 of the ISE Regional Representative – Czech Republic

Membership

Current status of the membership from the Czech Republic is 36 members, whereas in 2010 the membership was 26. This represents a significant increase and is due mainly to the well-established personal contacts among the scientists within the Czech Republic. We succeeded in attracting not only new student members, but also some established non-member electrochemists. Further increase of the membership is feasible mainly through the recruitment of new PhD students. My goal for 2012 is to achieve that the current student members upon completion of their studies stay within the society.

Activities

Main activities were connected with the preparation of 63th annual ISE meeting in Prague (2012). Many ISE members from the Czech Republic reside in Prague and therefore can participate actively in the organization. Many Czech electrochemists actively participated in two ISE sponsored meetings: Second Regional Symposium on Electrochemistry South-East Europe (Belgrade, Serbia, June 6-10, 2010) and at 9th International Microsymposium on Electrochemical Impedance Analysis (Otok Sv. Andrija, Croatia, June 2-5, 2011). Both meetings provided good opportunity not only for the students to learn more about the ISE society and membership advantages.

Unfortunately, I will not be able to attend the ISE meeting in Niigata due to the insufficient financial resources, for which I send my sincerest apologies.

Prepared by:

Magdaléna Hromadová

Regional Representative

Czech Republic

Report 2011 of the ISE Regional Representative – Estonia

ISE members and recruitment

To recruit new members, letters have been sent to colleagues publishing in *Electrochimica Acta*, based on the lists given by M. Musiani. The number of ISE members in Estonia has increased slightly during the last year and the current number on members in Estonia is 24, whereas in 2010 the membership was 21. Efforts to recruit new members continue, especially targeting new PhD students and young scientists.

Electrochemical research activities and conferences

Many Estonian electrochemists attend the 9th ISE Spring Meeting in Turku, Finland (May 8-11, 2011). A number of attendees are also expected to attend the 62nd ISE annual Meeting at Niigata.

Participation in the organisation and the presence of several members on 32nd Estonian chemistry Days in Tartu (April 14-15).

Tartu, August 24, 2011

Alar Jänes

Regional Representative
Estonia

August 30th, 2011

Report 2011 from the ISE Regional representative for Finland

(prepared for the ISE Regional Representatives meeting to be held in Niigata, Japan, during the 62nd Annual Meeting of the ISE between September 11th and 16th, 2011)

1. Membership

The number of members within Finland is currently 37. The number of members has been increasing by a few new members a year.

The interest of the Finnish ISE members for the different divisions is shown below in decreasing order of interest.

- Division 4, Electrochemical Materials Science
- Division 1, Analytical Electrochemistry
- Division 2, Bioelectrochemistry
- Division 7, Physical Electrochemistry
- Division 3, Electrochemical Energy Conversion and Storage
- Division 6, Molecular Electrochemistry
- Division 5, Electrochemical Process Engineering and Technology

2. Activities

The 9th Spring Meeting of the International Society of Electrochemistry was held in Turku from May 8 to 11, 2011. The very successful meeting was chaired by Dr. Johan Bobacka. The theme of the meeting was "Electrochemical Sensors: From Nanoscale Engineering to Industrial Applications". The meeting was jointly organized by ISE Division 1 and Division 5.

Total number of participants was 223 of which 77 were students. The participants were from 36 countries. A total number of 41 participants were from Finland, many of whom were Finnish members of the ISE. A total number of 74 oral presentations including four keynote lectures were given during the four days and 113 posters were presented at the two poster sessions.

A number of Finnish members also attended the 61st ISE Annual Meeting in Nice in 2010.

Unfortunately, I will not attend the Niigata Annual Meeting.

Dr. Rose-Marie Latonen
Åbo Akademi University
Process Chemistry Centre
Laboratory of Analytical Chemistry

ISE report 2011 - France

MEMBERSHIP

France has now **253 members** (178 members in 2010 and 132 members in 2009) and is the first country for 2011. The significant increase of the membership during the last year is, of course, due to the strong impact of the organization of the ISE Annual Meeting in Nice.

SPONSORED MEETINGS

Two national or international ISE sponsored meetings were organized in France:

1- Electrochemistry in nano structuration of substrates and Energy

Dates: 23-26 May, 2011

Location: Paris

Sponsored by: Executive Committee

2- Journées d'Electrochimie

Dates: 4-8 July, 2011

Location: Grenoble

Sponsored by: Executive Committee

During the “Journées d’Electrochimie”, thanks to ISE support, different prizes were attributed. The first one was assigned to a young electrochemist “Prix Jeune Chercheur en Electrochimie”. The winner was Christophe Bucher (CR CNRS from the Université J. Fourier, Grenoble). During the meeting, ten prizes were offered for the best posters produced by students or post-docs from different universities. In 2013, the “Journées d’Electrochimie” will be held in Paris and similar prizes will be awarded to young electrochemists.

ACTIVITIES

A proposal to hold an ISE Spring Meeting in France in 2015 was submitted in March to the Executive Committee. The proposal will be revised according to the Committee’s comments and submitted in 2012.

August 26, 2011
Nadine Pebere
Regional Representative for France
Institut Carnot CIRIMAT
Toulouse, France



Report 2011 of the ISE Regional Representative - Greece

(prepared for the Meeting of the ISE Regional Representatives to be held during the 62nd Annual Meeting of the ISE in Niigata, Japan on Monday, Sept.12, 2011)

Members

- The number of ISE members in Greece has increased by approximately 20% since the last RR Meeting in Nice and, at present, the Greek ISE section numbers 34 members. Their preferences in the activities of the different ISE Divisions are as follows:
 - Division 1, Analytical Electrochemistry (11)
 - Division 2, Bioelectrochemistry (2)
 - Division 3, Electrochemical Energy Conversion and Storage (17)
 - Division 4, Electrochemical Materials Science (22)
 - Division 5, Electrochemical Process Engineering and Technology (12)
 - Division 6, Molecular Electrochemistry (6)
 - Division 7, Physical Electrochemistry (9)
- Efforts to recruit new members continue, especially targeting young scientists.

Organization of or participation in international conferences related to electrochemistry and electrochemical engineering (organized or sponsored by the ISE)

- ISE members from Greece comprised the Organizing Committee (chaired by Assoc. Prof. S. Bebelis & Prof. Emer. N. Kouloumbi) of the 9th *European Symposium on Electrochemical Engineering (9th ESEE)* which took place in Chania, Greece from June 19 to June 23, 2011. The 9th ESEE (<http://www.9thesee.gr>) was organized under the auspices of the Working Party on Electrochemical Engineering (WPEE) of the European Federation of Chemical Engineering (EFCE) and ISE (Division 5) was one of the sponsors. The 9th ESEE attracted 115 participants from 22 different countries (most of them being ISE members) and its program included 82 lectures (8 keynote & 11 invited) and 47 poster presentations. The 9th ESEE program included also the presentation of the Carl Wagner Medal of Excellence in Electrochemical Engineering (CWEEE) which was awarded to Dr Charles Delacourt (Université de Picardie Jules Verne, France), a member of the ISE. The CWEEE is awarded every three years by the EFCE Working Party on Electrochemical Engineering to a European researcher under the age of 35 for outstanding contributions to research in Applied Electrochemistry or Electrochemical Engineering.
- Fifteen (15) ISE members from Greece participated in the 61st Annual Meeting of the ISE (Nice, France).

Other activities

- Dr S. Sotiropoulos (Associate Professor, Aristotle Univ. of Thessaloniki, Greece) continued acting as Associate Editor of *Electrochimica Acta*.

- Dr S. Bebelis (Associate Professor, Univ. of Patras, Greece) joined the Editorial Board of the Journal of Electrochemical Science and Engineering–JESE (<http://www.jese-online.org>), a new Open Access Journal.
- ISE members from Greece published 10 papers in Electrochimica Acta since the last RR Meeting in Nice (Sep. 2010), including papers in press. This number corresponds to approximately 17% of their total publications in peer-reviewed journals during the same period.

Patras, Greece, August 26, 2011

Symeon Bebelis
Associate Professor
ISE Regional Representative – Greece

Tel: +30 2610 969 511
Fax: +30 2610 969 534
e-mail: simeon@chemeng.upatras.gr

Report of activities: Hungarian section of ISE

Prepared for the Meeting of Regional Representatives of ISE,
62th Annual Meeting, Niigata, Japan, September 2011

1. ISE members from Hungary

When I was elected as a regional representative of Hungary, the membership from Hungary ranged to 15 persons, which barely made us eligible to delegate a representative with full right to the ISE leading bodies. In the first few months of 2011, the membership increased and now we have 22 members. The newcomers are mostly young people who work on their theses in various fields of electrochemistry. They applied for the ISE membership as a result of the membership propagation of their supervisors. Since people in the Hungarian community of electrochemists know each other very well, the recruiting activity among the authors of the society journals is not a viable option, but personal contacts should be taken advantage of. The current level of membership seems to be sustainable, but no significant increase can be foreseen in the near future.

2. Scientific activity

The Electrochemistry Committee of the Hungarian Academy of Sciences has a large overlap with the Hungarian ISE membership. The Committee has two meetings a year, each of them scheduled with 4-10 scientific lectures (that are mostly held in Hungarian).

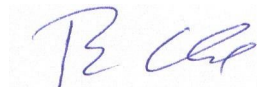
A large number of Hungarian scientists could attend the last ISE Meeting in Nice, France. In this year, due to the general financial restrictions, almost none of us can afford to travel to the upcoming meeting to Japan. However, Hungarian colleagues regularly attend ISE sponsored meetings in the countries to which the travel cost is rather affordable. Among others, Regional Symposia on Electrochemistry South-East Europe, International Microsymposia on Electrochemical Impedance Analysis and ISE Spring Meetings are all frequently visited by our members.

3. Plans for the future

When I became a candidate for the RR of Hungary, I prepared a program in which the organization of an ISE Spring Meeting was named as a viable goal of the Hungarian ISE community. However, the strength of the Hungarian community alone does not seem to be sufficient for such a task, and this holds for various small countries in our region. Therefore, I suggest that the organization of such meetings could be performed in the same way as those of several sport events recently; i.e., with the contribution of two neighbouring countries. I keep searching for a partner among the ISE personals of the neighbouring countries.

I hereby indicate that I am willing to attend the upcoming Annual Meeting.

Budapest, 12 August 2011



László Péter

Senior research fellow
Head of the Electrodeposited Nanostructures Group
Metals Research Department
Research Institute for Solid State Physics and Optics,
Hungarian Academy of Sciences

ISE-Regional section of I. R. IRAN Annual Report 2010/ 2011

1. Currently, Iranian ISE section has 33 individual active members (decreased by about 10% from last year, 36).

1.1. The Iranian electrochemists have participated in several national and international conferences on electrochemical topics, e.g. the 9th ISE Spring Meeting, May 8–11, 2011, Turku, Finland. But unfortunately, despite of very kind efforts of our French colleagues, most of Iranian electrochemists could not participate in the 61st Annual Meeting of ISE (September 26th - October 1st, 2010, Nice, France) and 6th SECM workshop (3 to 7 october-2010, Villa Clythia, Fréjus, France), due to the fact that French embassy in Tehran did not issue their entrance visa on time. This may be the main reason for the decreased number of Iranian active members of ISE.

1.2. Two national electrochemistry seminars were held, one by the Iranian Electrochemical Society (IECS) (The 6th Annual meeting on 9-11 Oct, 2010 at Kish University, Kish Island, Iran), and the other one by the Electrochemical Division of Iranian Chemical Society, (The 9th Iranian biannual Electrochemistry Conference (9IBEC) on January 22-24, 2011, at Yazd University, Yazd, Iran).

2. Based on ISI-WOS Science Citation Index Expanded (SCI-EXPANDED) reports for time span 2010, more than 16,500 scientific articles by Iranian researchers have been published in ISI indexed Journals, which shows an increase of about 20%

relative to those in 2009. Refined by "electrochemistry", 230 of the articles were published in different electrochemical journals, 40 of which published in *Electrochimica Acta*.

3. Besides some events related to International Year of Chemistry (IYC) at a special session will be held in 15th Iranian Chemistry Congress, Sep. 4-6, 2011, Buali Sina University, Hamadan, Iran, where 3000 of the received abstracts have been accepted and more than 300 of them are related to electrochemical topics.

Tehran, Aug. 12, 2011
M. F. Mousavi
Regional Representative of I. R. IRAN



ISE REPORT 2011 from the Regional Representative - Ireland

Members

The number of ISE members within Ireland has increased from 27 in September 2010 to 33 in August 2011. The new practice of writing to EA authors has also contributed to this membership increase. Division 1 (13 members) and Division 4 (11) are the divisions with most members, in line with Ireland strength in Analytical Chemistry and Material Science. Only one ISE member from Ireland will participate to the meeting in Japan. This poor attendance is due also to harsh cuts in national research spending that Ireland is experiencing since 2008.

Activities

I joined the organizing committee of SESEH 2012 (August 2012, Galway, Ireland), a large EU-China research meeting. My proposal for an electrochemistry session was accepted and we will have 10 invited speakers, plus 20 poster presentation (approx). This meeting will provide an excellent opportunity to raise interest about ISE and electrochemistry in general among scientists of different areas, such as environmental sciences and health. In the coming months, I will interact with the ISE RR in China to this purpose.

Due to the schedule of a previously organized ECS-sponsored meeting in Ireland, the organization of an ISE Ireland branch meeting was postponed to 2012.

August 19th, 2011

Enrico Marsili
School of Biotechnology
Dublin City University
Ireland



P.O.B. 26 Rehovot Israel 76100 ת.ד. 26 רחובות 76100
www.weizmann.ac.il

מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

אלכסנדר וסקביץ'
עמית בכיר
המחלקה לחומרים ופני שטח

טלפון Tel. +972-(0)8-934-2574
פקס Fax +972-(0)8-934-4137
alexander.vaskevich@weizmann.ac.il

Alexander Vaskevich
Senior Staff Scientist
Department of Materials&Interfaces

ISE REPORT 2011 from the Regional Representative ISRAEL

Members: The number of ISE members from Israel increases to 24, up from 21 in 2010.

Meetings: Israel had one ISE sponsored meeting this year: **Isranalytica, 2011** the 14th Annual Meeting of the Israel Analytical Chemistry Society took place in January 19-20, 2010, at the David Intercontinental Hotel, Tel-Aviv, Israel.

The annual meetings of the Israel Analytical Chemical Society have become one of the largest annual conferences in analytical chemistry in the World. During two-day meeting more than 60 oral talks covering major direction of analytical chemistry were given by researches from academia and industrial laboratories and companies with more than 2000 participants from Israel and from about 10 other countries, attended. More than 50 leading companies of analytical equipment have also successfully participated in the conference and exhibition bridging between technology developments and end users.

Isranalytica 2012, the 15th annual meeting of the Israel Analytical Chemistry Society will be held on 24-25 January at the David Intercontinental Hotel, Tel-Aviv, Israel.

In renewal of tradition **Israelectrochemistry** conference was held on 23 June in the Hebrew University, Jerusalem, Israel. One-day conference included 20 talks and poster session with more than 300 attendants from academia and industry.

Awards: Prof. M. Urbakh (Tel-Aviv University) received Alexander Kuznetsov Prize for Theoretical Electrochemistry.

August 23^d, 2011
Alexander Vaskevich
Regional Representative

**International Society of Electrochemistry
Annual ISE report of Italy – 2010/2011**

ISE members and recruitment

To recruit new members, letters have been sent to colleagues publishing in *Electrochimica Acta*, based on the lists given by Marco Musiani. In 2011 there are 116 ISE members in Italy, which is within the average value over the last three years.

Participation to ISE bodies

Marco Musiani: Executive Secretary;

Salvatore Daniele: Past Chair of Division 1 – Analytical Electrochemistry.

ISE Activities

A proposal for organising a Spring Meeting on *Materials for Electrochemical Sensing* in Italy in 2015 has been made and will be reconsidered in view of the observations received by the Scientific Meetings Committee.

Renato Seeber
Regional Representative of Italy

Modena, August 18, 2011

International Society of Electrochemistry
Annual ISE report of Japan – 2010/2011

1. ISE members and recruitment

According to the information from Dr. Musiani about the authors of papers published in *Electrochimica Acta*, new members have been recruited via e-mail. Electrochemical Society of Japan (ECSJ) has been supporting to encourage ECSJ members (number of members; 4,582 (June, 2011)) to join in ISE from 2005 by making the membership registration process easier. At the moment there are 235 ISE members in Japan (July, 2011).

2. Electrochemical research activities and conferences

ECSJ is the major society handling fundamental and applied aspects of electrochemistry and related fields. ECSJ has closely collaborated with ISE and the Electrochemical Society (ECS). The 2009 Fall Meeting of ECSJ was held at Kanagawa Institute of Technology, near Yokohama City, on September 2-3, 2010 (number of registered; 1,251). The 77th Annual Meeting was planned to be held at Yokohama National University on March 29–31, 2010. However, because of the tragic earthquake and tsunami hitting east Japan on March 11, 2011 and the following accident at Fukushima Nuclear Power plant, the annual meeting was held in an unusual way. All the presentations were done on the CD-basis by distributing the abstract CDs to the registered people.

After the earthquake, we received many concerns about the 62nd Annual Meeting of ISE scheduled to be held in Niigata, Japan. Local organizing committee (LOC) had serious discussion on the matter and investigated the situation especially of the radiation level on scientific basis. LOC did not find any problem in radiation level in Niigata area. After the discussion with Organizing Committee, the meeting was decided to be held as scheduled. We genuinely appreciate many warm supports we have received from ISE members.

The 2011 Fall Meeting of ECSJ will be held in Niigata immediately before the ISE annual meeting. ECSJ has continuously encouraged the attendees to stay in Niigata to attend the ISE meeting also. As a result, the number of Japanese papers submitted to the ISE meeting is considerably larger than expected beforehand. The special session for International Year of Chemistry (IYC) at the ISE meeting will be coorganized with ECSJ.

Tomokazu Matsue

Regional Representative of Japan

Professor, Advanced Institute for Materials Research (WPI-AIMR), Graduate School of Environmental Studies, School of Engineering, Tohoku University

Report 2011 of the ISE Regional Representative for Korea

Membership

The number of ISE members within Korea is steadily increased from about 135 since last year. We are expecting an additional members after Niigata meeting.

Activities

A number of Korean electrochemists, ISE members, attended the ISE Annual meeting held in Nice, France last year. Also, we are expecting many electrochemists to attend the ISE annual meeting in Niigata this year.

There are annual electrochemical society meetings in Korea organized by Korean Electrochemical Society: Kyungjoo, April 7th -8th 2011. Daejeon, October 6th-7th 2011. Also, many small group of symposia on battery technology, capacitor, solar cell, and fuel cell was held at various places in Korea.

I will attend the 62nd ISE meeting in Niigata, Japan with with other Korean colleagues. Some of them are newly joined our society. Looking forward to seeing you all soon.

August 25th, 2011

In-Hyeong Yeo, Regional Representative for Korea
Prof. of Chemistry, Dongguk University, Seoul, Korea.

International Society of Electrochemistry
Annual ISE report of Lithuania – 2010/2011

1. *ISE membership.*

The current number of ISE members in Lithuania is 15. We are going to propose our new PhD students, to join ISE this autumn.

2. *Participation in ISE sponsored meetings.*

Five ISE members from Lithuania attended the ISE meeting in Nice and one member participated in 2011 Spring meeting. All ISE members of Lithuania are going to participate in Lithuanian Chemistry Conference in October 2011, which will be dedicated to the International Year of Chemistry.

3. *Activities.*

We have resubmitted proposal to organize ISE Spring meeting in Lithuania in 2015 or later.

Rimantas Ramanauskas
Regional Representative of
Lithuania, Vilnius
29 August 2011

ISE- MEXICAN SECTION

Annual Report of Activities 2010/2011

- The number of members in Mexico according to the ISE Membership is constant in the last two years: around 30-35.
- During the last years, Mexican electrochemists have taken part in a number of international conferences on electrochemical topics
- 61st Annual Meeting of the International Society of Electrochemistry, Nice, France, September, 2010.
 - About 26 works were presented.
- The progress of the organization for the 64th ISE Annual Meeting was reported.
- The local committee and the members of the organizing committee for 64th ISE meeting had following activities:
 - Meeting in Queretaro with M. Orazen and B. Tribollet president and treasurer of the ISE, respectively.
 - Visits of M. Orazen and B. Tribollet to the Conventions Center where the ISE meeting will be carried out and to sites of cultural interest in the city of Querétaro.
- Election of the new regional representative of Mexico: Carlos Eduardo Frontana Vázquez.
- The most relevant national event was the: XXVI Congreso de la Sociedad Mexicana de Electroquímica and 4th Meeting of the Mexican Section of the Electrochemical Society, Distrito Federal, México, May 2011.
 - About 237 works were presented: 136 oral communications, 6 invited lectures, 5 plenary lectures and 101 posters.
 - The Electrochemical Society Transactions will publish some papers presented in our last meeting (XXVI) as proceedings.

August, 2011

Martín M. Dávila

ISE Report 2011 from the Regional Representative the Netherlands
(Prepared for the ISE Regional Representatives meeting to be held during the
62nd Annual Meeting of the ISE, Sept. 11th – Sept. 16th, 2011, Niigata, Japan)

Members

The number of members within the Netherlands is currently 30. A number of scientists based in the Netherlands have been contacted directly or following publications in *Electrochimica Acta*, as suggested. The number of members is stable with respect to last year.

The interest of the Dutch ISE members in the different divisions is given here (listed from high to lower interest):

- Division 3: ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE (10)
- Division 4: ELECTROCHEMICAL MATERIALS SCIENCE (10)
- Division 7: PHYSICAL ELECTROCHEMISTRY (10)
- Division 1: ANALYTICAL ELECTROCHEMISTRY (7)
- Division 5: ELECTROCHEMICAL PROCESS ENGINEERING AND TECHNOLOGY (7)
- Division 6: ELECTROCHEMICAL PROCESS ENGINEERING AND TECHNOLOGY (6)
- Division 2: BIOELECTROCHEMISTRY (2)

Activities

A presentation about the ISE activities was held at the KNCV Working Group on Electrochemistry symposium, in Eindhoven in November 2010. This year, the KNCV symposium will be held in Brussels on November 4th, 2011. The symposium, focussed on Electrochemical Sensors, is a common meeting ground for fundamental and applied electrochemistry experts from the Netherlands and Belgium. A presentation similar to the one from last year will be organized (in collaboration with Prof. Claudine Buess-Herman, Regional Representative of Belgium).

A number of Dutch representatives attended the 61st ISE Annual meeting in Nice as well as the 9th ISE Spring Meeting in Turku. Many delegates are also expected to attend the ISE Annual meeting in Niigata.

August 12th, 2011

Maarten Van Brussel
Metrohm Autolab B.V.
Utrecht, the Netherlands

Short report on Norwegian ISE activities in 2010/2011

Membership

The number of Norwegian members of the ISE has steadily increased over the past few years up till 2009, but last year reduced from 23 to the current number of 22 members.

Participation in ISE sponsored meetings

Researchers from SINTEF and NTNU participated in the ISE annual meeting in Nice, France in 2010. In addition two Norwegian ISE members participated in the spring meeting in Åbo, Finland.

Other

As previous year, the funding of research in Norway has for many of the programmes relevant for electrochemistry shifted their focus from basic research to demonstration and industry projects. This is especially true in the area of renewable energy, which has been very important for Norwegian electrochemistry in recent years. This has affected the success rate for the academic and research institute sectors quite significantly, and we funding from the EU is becoming more attractive as national sources dry up. The previously reported shift in the interest for PhD studies within electrochemistry has continued, and more Norwegian master students have chosen to continue their education with a PhD.

Electrochemistry is an important field in Norway mainly because of the strong electrolysis industry (especially aluminium electrowinning) and the corrosion protection activities associated with the offshore oil and natural gas production. Interest in renewable energy and energy storage has also affected electrochemical research positively.

August 26, 2011

Regional representative Norway
Svein Sunde
Department of Materials Science and Engineering
Norwegian University of Science and Technology
Trondheim, Norway
Svein.Sunde@material.ntnu.no

ISE - ANNUAL REPORT FOR POLAND

One of the events sponsored by International Society of Electrochemistry that was held in Poland in 2011 was XXI International Symposium on Bioelectrochemistry and Bioenergetics, BES 2011 (May 9-12, 2011 in the Auditorium Maximum of the Jagiellonian University, Cracow, Poland). The co-chairs of the Organizing Committee were Barbara Jachimska from the Institute of Catalysis and Surface Chemistry of the Polish Academy of Sciences and Renata Bilewicz from the Faculty of Chemistry of the University of Warsaw. 306 participants of the BES Symposium came from 32 countries from all continents.

The main Symposium was preceded by the International Spring School of BES "Novel Techniques for Nanobiological Sciences". 40 graduate students from several countries participated in this School and, since the Symposium was organized in the International Year of Chemistry, and as part of celebrations of the 100th anniversary of the Maria Sklodowska-Curie Nobel Prize, two best presentations of the students during the School were awarded with the Maria Sklodowska-Curie Prize for Young Scientists.

Special emphasis was given to the exciting new developments in biosensors and biofuel cells, understanding of biological and biomimetic reactions, biomembranes structure and functioning, probing the electrical field effects on charge transfer and energy conversion in biological systems, and electroanalysis of inorganic and organic species in biological systems. Close cooperation of researchers working in different areas of chemistry, biology, medicine, physics and electronics and their interdisciplinary work forms the basis of the recent success and progress clearly seen in the bioelectrochemistry field. They were reflected in several inspiring lectures, discussions and poster presentations throughout the BES meeting.

Another ISE sponsored meeting, namely the 5th International Workshop on Surface Modification for Chemical and Biochemical Sensing (SMCBS'2011) is organized by Marcin Opallo and Wlodzimierz Kutner from Institute of Physical Chemistry, Polish Academy of Sciences (November 4-8, 2011). Main theme of the workshop will concern chemical and non-chemical decoration of solid surfaces electrodes) towards selective recognition and determination of various substances. Information can be found on:

<http://science24.com/event/smcbs2011/>.

Pawel Kulesza
ISE Regional Representative of Poland

Meeting of the ISE Regional Representatives

Niigata, Japan, September 12, 2011

Short Report on Portuguese Activities 2010/2011

1. Membership recruitment

Portugal has now 38 ISE members. The increase (relatively to 2010) corresponds to the successful recruitment of young researchers.

2. Participation in the ISE sponsored Meetings:

1. *XXI International Symposium in Bioelectrochemistry and Bioenergetics*, 8-12 May, Cracow, Poland.
2. *Final workshop COST Action D36 :Structure-performance relationships at the surface of functional materials*, , 17-20 May, Fuengirola, Spain.
3. *Journées d'Electrochimie*, 4-8 July, Grenoble, France.
4. *The 62th ISE Annual Meeting*, 11-16 September, Niigata, Japan, 2011.

3. International meetings organized in Portugal with the ISE support:

Jornadas de Electroquímica e Inovação 2011, 11 February, Universidade do Algarve, Faro.

4. Organization of International meetings with approved ISE support

WEEM-2012, May, Hungary.

5. Participation in European and National Projects (involving electrochemistry)

Several members are actively involved in European projects as well as in an increasing number of national projects.

Luisa M. Abrantes
Regional Representative (Portugal)
August 2011



Report of the Romanian Regional Representative 2010-2011

Prof. Dr. Liana Maria MURESAN
“Babes-Bolyai” University
Chair, Dept. of Physical Chemistry
Phone: + 40 264 595872
Fax: + 40 264 590818
E-mail: limur@chem.ubbcluj.ro

- **Membership**

At the moment, there are 53 active members in the Romanian section. To recruit new members, e-mails have been sent to the authors of papers published in *Electrochimica Acta*, based on the information of Dr. Musiani or they have been contacted directly.

- **Contacts with other scientific societies from Romania**

Electrochemical Society of Romania (**SER**)

Romanian Chemical Society (**SCR**)

Romanian Analytical Chemistry Society (**RACS**)

- **Organisation of national and international conferences**

Romanian ISE members were involved in the organization of and participated to several scientific meetings:

- *International U.A.B.–B.E.N.A. Conference "Environmental Engineering and Sustainable Development, Alba Iulia, Romania May 26-27th, 2011*
- *"New trends in environmental and materials engineering", May 18 - 20, 2011, Galati, Romania*

Many Romanian electrochemists attended the **9th ISE Spring Meeting in Turku**, Finland (May 8-11, 2011). As concerning the ISE Annual Meeting in Niigata, the expected number of participants from Romania is, unfortunately, relatively small, most probably due to economic reasons.

Cluj-Napoca, 24th august 2011

Prof. Liana Maria MURESAN

Report on the regional activity in Russia in the period Sep.2010-Sep.2011.

There are 50 ISE members in Russia (last year this number was 41). It is important, that the majority of the new members are rather young scientists.

The most important event of the passed year was the 9th Frumkin symposium, which was held in October 24-29 in Moscow, in the halls of the Presidium of Russian Academy of Sciences. In the preparation of this event actively participated the ISE members working at the A.N. Frumkin Institute of Physical Chemistry and Electrochemistry and the Electrochemistry Department of the MSU. For the first time in the history of Frumkin Symposia in this year a special Young Scientists' Session was organized, where young electrochemists, which present posters in the main event, had an opportunity to deliver short oral presentations, which were evaluated by scientific jury. Both Frumkin symposium and this Young Scientists' section (as a Student's conference) were sponsored by ISE.

22 young electrochemists presented their short talks (10 min) at the Young Scientists' section. 7 participants were awarded with special diplomas (with ISE-logo) for best presentations within the scope of 5 microsymbosia of the main event. In addition, they were granted with free visit of the Symposium banquet. Some photos from the Young Scientists' section are given below.



Presentation



Diploma



Photo for memory



Questions



Coffee-break

Another ISE-sponsored Student's Conference will be held in November 2011 at the Arbuzov Institute of Organic and Physical Chemistry in Kazan.

As always the most active work was carried out by the staff of Electrochemistry Department of the Moscow State University. Every year the Electrochemistry department organizes a contest of scientific papers by young scientists in the field of physical chemistry and electrochemistry. Traditional Frumkin Readings were carried out in October 2010. In addition to the scientific program during these readings the results of the contest of young scientists' publications are announced and a winner delivers a report. Traditional Faraday Christmas Lecture in December 2010 was devoted to the problems of electrochemical educational methods in the field of electrochemistry in Russia. Professors of the Department organized in 2011 in the Moscow State University a series of seminars devoted to sound methods (AFM, STM, SECM), interdisciplinary seminar devoted to computational methods in the studies of ionic processes in condensed matters, seminars on electrodeposition of nanoobjects and electrochemical molecular modification of electrified interfaces. This work will be continued in future.

Alexander Nekrasov

Regional Representative of ISE in Russia



ISE Regional Representative of Serbia 2010/2011 Report

Currently there are 37 members in the ISE from Serbia, three more than at the end of 2010. Considering the relatively small number of electrochemists in Serbia, this number is acceptable. Despite my efforts in the first half of the year, to encourage, first of all, young scientists to join ISE, increasing the number of members is modest. Unfortunately, I think the main reason for this situation is the inability to pay membership fees in a simple manner, because it is a complicated payment procedure in most academic institutions in Serbia.

According to my knowledge, no electrochemist from Serbia will participate in the 62nd Annual Meeting in Japan. The reason for this is the distance, and the high costs of travel and accommodation. I hope that this will be compensated during the 63rd meeting of ISE. For the same reason I am not able to attend 62nd ISE Meeting, as well as to the meeting of the ISE Regional Representatives to be held in Niigata on Monday, September 12, 2011. Therefore I send you, and all participants of the meeting, my sincerest apologies.

ACTIVITIES

1. Organization of ISE sponsored Second Regional Symposium on Electrochemistry South-East Europe, held in Belgrade, Serbia, June 6-10, 2010. According to many reactions of the participants, without exception positive, we can say that the symposium was organized in high-level and that was very successful, both from a scientific as well as from the social point of view. The report was submitted to the ISE office immediately after the meeting.
2. Participation in the organization and the presence of several members from Serbia on ISE sponsored 9th International Microsymposium on Electrochemical Impedance Analysis (Island Sv. Andrija, Croatia, June 2-5, 2011).
3. Improving cooperation with the electrochemists from the region, primarily from Croatia. As a result of this cooperation a new Open Access journal was launched: Journal of Electrochemical Science and Engineering – jESE, <http://www.jese-online.org/>. The first Issue of the first Volume of the journal is expected in September this year.
4. The organization of activities within the Electrochemical Division of the Serbian Chemical Society, including the organization and participation in 49th Meeting of the Serbian Chemical Society, particularly Electrochemical Section of the Meeting.
5. Participation in the preparation of the Third Regional Symposium on Electrochemistry South-East Europe to be held in 2012 in Romania.

Sincerely,

Report 2011 of the ISE Regional Representative, South Africa

*Prepared for the ISE Regional Representatives meeting to be held during the
62nd Annual Meeting of the ISE, Sept. 11- 16, 2011, Niigata, Japan*

Membership

- 1) We have 21 active members from South Africa.
- 2) Efforts to recruit new members are a continuous process, targeting young electrochemists and postgraduate students.
- 3) Some of our members hold important positions in the Universities and Science Councils.

Activities

- 1) The 13th Topical Meeting of the ISE (proposed topic: '*Advances in Nanoscale Electrochemical Materials Science and Manufacturing*') will now be held in Pretoria, South Africa, April 8 – 11, 2013. **PLEASE diarise the date and tell everyone, we look forward to welcoming you to the motherland, Africa!**
- 2) The SA region organised an electrochemistry symposium, "*Advanced Materials and Nanostructures in Electrochemistry*" as one of the nine symposia during the 11th International conference on Frontiers of Polymers and Advanced Materials (ICFPAM) that was held in South Africa, 22 – 27 May 2011. This was the first time electrochemistry had a place ICFPAM conference since its inception. The electrochemistry symposium was sponsored by the ISE.
- 3) We will also organise a symposium on "Materials in Electrochemistry" in the forthcoming 6th International Conference of the Africa Materials Research Society (6th A-MRS), December 11 – 16, 2011, Victoria Falls, Zimbabwe. This symposium will also be sponsored by the ISE.

We are truly grateful to the ISE for always supporting us and helping us to grow.



Report 2011 from the ISE Regional Representative of Spain

Members

According to the Member Directory of ISE the number of members within Spain is currently 104 (118 in 2010), coming from Universities, Research Institutes of CSIC, Technological centers and 1 Spin-off. All the Spanish co-authors of papers published in *Electrochimica Acta* during 2010 have been contacted (in sequence of Marco Musiani information).

Prof. Juan M. Feliu from the University of Alicante, past President of ISE, has been elected as a new Fellow of the Society

Prof. Carlos M. Muller of University of Barcelona was re-elected as a Regional Representative of Spain for the 2011-2013 term.

Activities

A new edition of the PhD program on electrochemistry - "*Electrochemistry: Science and Technology*" -, which again got the "*Quality Mention*" from the Spanish Ministry of Education, was organized in January 2011 at the University of Cartagena, coordinated by Prof. Toribio F. Otero. A *Regional Student Meeting*, chaired by the student José Gabriel. Martínez and sponsored by the ISE, was celebrated on Friday January 14th 2011. In this session, every student has delivered a formal presentation about his/her background, their previous contact with electrochemical subjects and the subject selected for their thesis projects. Professor A. Aldaz was invited to deliver an especial, motivation lecture about non usual electrochemical applications in archeology and regeneration of marine ecosystems.

The group of electrochemistry from the Spanish Royal Society of Chemistry, jointly with the *Portuguese Electrochemistry Society*, with the ISE support, will organize its 32th Annual Meeting / XIII Iberian Meeting of Electrochemistry in Murcia, from September 5 to September 9 (Organized by the University of Murcia - Chair: Prof. Angela Molina). An ISE symposium "Young researchers", is scheduled to be held on Thursday 8. In this session, one keynote lecture from Richard Compton and several invited oral communications from young researchers are scheduled: Jose Solla (U. Alicante), Rafael Madueño (U. Córdoba), Lorena

Freire (U. Vigo), Ignacio Sirés (U. Barcelona) (Oronzio de Nora ISE Prize 2011), Gonzalo Guirado (U. Autònoma de Barcelona), Eduardo Laborda (Oxford University), Dan Bradley (Liverpool University), P. M. Biesheuvel (Wageningen University) and Telma Silva (Instituto Tecnico Superior, Lisboa)

August 30th, 2011

Carlos M. Müller
Spain ISE Regional Representative
University of Barcelona



Report for the RR meeting in Niigata 2011, Sweden

Members:

The number of members has since last year increased by more than 50% (presently 46 members). This is most likely due to a substantial increase in all kinds of activities related to future energy systems. The meeting in Nice also attracted new members, as well as the invitation e-mails sent as a result of publications in *El.Chim. Acta*. Gladly, many of the new members are younger researchers.

Conferences:

Many members attended the ISE meeting in Nice, representing several of the ISE divisions. Members have also been active in many other conferences related to electrochemistry and energy systems. Sweden will also be represented at the Niigata meeting.

IYC 2011:

The International Year of Chemistry was taken very seriously in Sweden. All major universities have had their own planning and programs to promote chemistry, especially directed towards younger children. In Uppsala, for example, one major 'Science weekend' was held for families, and it attracted more than 3000 visitors. Batteries, fuel cells, solar cells, and many other things were demonstrated, together with 'chemistry shows' and 'molecular workshops'. During 2011, every month have had a special chemistry theme (e.g. based on sports, love, art), which has been demonstrated at museums, in the city centre, and similar places.

Best Regards,

Fredrik Björefors, RR Sweden
Aug. 29, 2011

Dr. Fredrik Björefors, Associate Professor
Department of Materials Chemistry
Ångström Laboratory
Uppsala University
Box 538
SE-751 21 Uppsala
Sweden

E-mail: fredrik.bjorefors@mkem.uu.se
Web: www.mkem.uu.se

Report from the ISE Regional Representative of SWITZERLAND (2011)

Membership

Currently there are 35 ISE members in Switzerland.

ISE Activities

There are no special activities in Switzerland related to the society during 2010.

Miscellaneous

The organization of the 65th annual ISE meeting 2014 in Lausanne has been started (Chairman: Prof. Hubert Girault)

Prof. Ch. Comminellis
ISIC-FSB-EPFL
1015 Lausanne
SWITZERLAND

Ch. Comminellis

ISE Annual Meeting 2011, Niigata/Japan - Regional Representatives Meeting

United Kingdom (Regional Representative: Dr Tim Albrecht, since 2011)

Annual report, ISE UK Regional Section (2010-2011)

I have taken over as the new Regional Representative of the ISE from Prof. Robert Dryfe (Manchester) in January 2011. I am currently also on the Executive Board of the RSC Electrochemistry Group, *i.a.* as their representative to ISE and ECS. This combination of roles forms an ideal platform to exploit synergies between the different societies and groups.

Since the last Annual Meeting in Nice, the ISE has (co)sponsored

- A joint RSC/ISE Postgraduate Meeting on Electrochemistry, which took place at University College London and was organized by Dr Katherine Holt (17th May 2011). Approximately 30 Postgraduate students attended and I gave a short presentation advertising for the ISE.
- The Electrochem 2011 Meeting in Bath ("Electrochemical Horizons"), organized by Dr. Frank Marken (05-06th September)

We are also in the process of preparing a sponsorship application to the ISE for Postgraduate Meeting on nanopore sensors, which will take place at Imperial College London in December (date TBC, organized by Dr Ulrich Keyser). These activities are very important, in my view, to enhance the visibility of the ISE to junior scientists and to recruit future members.

Compared to last year, the membership has again increased, from 151 to currently 176 (17%). Two years ago, we have had 124 members, which shows that we have been successful in attracting new members longer term.

The UK Regional Group is also heavily in other activities of the Society with Prof. Robert Hillman acting as Immediate Past President of the ISE, Dr Mary Ryan as the Chair Elect of Division 4, Prof. Frank Walsh as the Past Chair of Division 5 and Dr Jay Wadhawan as (joint) Vice-Chair of Division 6.

Yours sincerely,


Tim Albrecht

12th August 2011



1898

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ
„КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ”
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE («KPI»)

№ 1450-77

August 10, 2011

REPORT 2011
of the ISE Regional
Representative – Ukraine

Membership

Current status of the membership from the Ukraine is 33 members, whereas in 2010 the membership was 24. This represents a significant increase and is due mainly to the well-established personal contacts among the scientists within the Ukraine. We succeeded in attracting not only new student members, but also some established non-member electrochemists. Further increase of the membership is feasible mainly through the recruitment of new PhD students. My goal for 2012 is to attract graduate students for membership in the scientific community.

Activities

1. An analysis of research and innovation electrochemists Ukraine and developed actions to improve performance that will meet the world rankings.
2. Expands the participation of Ukrainian scientists in carrying out joint research with foreign partners.
3. Work on the journal "Chemical resistance of materials" that would meet the requirements of the world scientometric databases.
4. Preparing for the 6 th Ukrainian Congress on Electrochemistry (20 -23 September 2011, Dnepropetrovsk, Ukraine). Many ISE members from the Ukraine can participate actively in the organization.
5. Competition held on the electrochemistry of (22 -27 May 2011).

Unfortunately, I will not be able to attend the ISE meeting in Niigata due to the insufficient financial resources, for which I send my sincerest apologies.

Prepared by:
Olga Linyucheva
Regional Representative
Ukraine

Regional Representative (USA) Petr Vanýsek
Summary of activities
10 August 2011

Membership

Currently there are 249 paid members in the USA

Activities

1. A preparation for a spring meeting held in the USA (Georgetown University, Washington, DC, May 2012) is under way.
2. Call for input from the members to organize possible the annual meeting in 2017 in USA has been sent out.

My activities as the Regional Representative, accomplished since September 2010, can be summarized in the following items:

Membership recruitment

Although this activity does not seem to be netting directly a large influx of new members, the efforts are not excessive and its continuation is probably a good idea. As in the previous years, this task was accomplished with significant input from Marco Musiani. The editorial board of the *Electrochimica Acta* provides regularly a handy spreadsheet that lists the names, country of residence and e-mails of all authors, who are presently not members of ISE. From this list I select the authors listed as residing in the United States and I mail them correspondence inviting them to join ISE. With the official letter from the ISE president I also include my own personal letter as well.

Contact with members, helping to resolve some issues.

The ISE members in the USA are well aware that I am their representative, and they contact me on occasion with some ISE they cannot resolve, or with an issue that allows me to bring them in contact with other members of ISE in the country. I am also routinely asked to act as a co-signer for a new applicant, very likely in response to the invitation letters that I am mailing out.

Sincerely,

Petr Vanýsek



UNIVERSIDAD SIMÓN BOLÍVAR

DR. JORGE MOSTANY
DEPARTAMENTO DE QUÍMICA
UNIVERSIDAD SIMÓN BOLÍVAR
APARTADO 89000, CARACAS 1080-A, VENEZUELA
TLF (+58 212) 906-3993
FAX (+58 212) 906-3969
EMAIL: JMOSTA@USB.VE

Report 2011 of the ISE Regional Representative in Venezuela

Profile of the Electrochemical Research on Venezuela

The Electrochemistry community in Venezuela is mainly located on three public universities (Universidad de los Andes (ULA), Universidad Simón Bolívar (USB) and Universidad del Zulia (LUZ), plus some spare colleagues on the Universidad Central de Venezuela (UCV), the Universidad de Oriente (UDO) and one public research institute (Instituto de Tecnología Venezolana para el Petróleo, INTEVEP), subsidiary of PDVSA, the official petroleum industry. The “Sociedad Venezolana de Electroquímica” (SVE) congregates around 20 full time professors and their students.

ISE Membership in Venezuela

The ISE reports 10 members on the Venezuelan Regional Chapter of which 8 are fulltime professors (3 retired) and 2 postgraduate students. Foreign currency controls and low salaries compromise payment of membership dues, with the concurrent decline of the Venezuelan ISE membership. No communications were presented on the Nice 61th Annual ISE Meeting by Venezuelan ISE members (2010). Three are scheduled on the forthcoming Niigata 62th ISE meeting, all by the same group on INTEVEP with no participation from academic research groups.

Electrochemistry related Activities on Venezuela

The main local activity related to electrochemistry is the yearly “Encuentro Nacional de Electroquímica” (ENE). The XXIV ENE was celebrated on april 2011 as part of the X “Congreso Venezolano de Electroquímica” on Naiguatá, Venezuela (USB), where 43 communications were presented, despite severe restrictions on governmental support to academic research activities.

General Commentaries

Conditions for scientific research in Venezuela have been deteriorating in recent last years due to governmental efforts to impose tight controls on scientific activities [1,2]. A significant indicator of scientific achievement is the publication of research results in mainstream scientific journals. As a suitable example, a ScienceDirect search for the period 2010-2011 yields two (2) articles on Electrochimica Acta with “Venezuela” occurring on the affiliation field, one of them from a Florida (USA) university, while a wider search results on 9 electrochemistry related publications for the same period (USB-Sartenejas (4 papers), ULA-Táchira (2), IVIC-Pipe (2), ULA-Mérida (1) and UDO-Cumaná (1)). Despite severe restrictions due to currency exchange controls and funding cuts aggravated by annual inflation rates at around 30%, the Venezuelan electrochemistry community has managed to preserve their local activities with regularity, although drastically reducing participation in events abroad. Hence, significant increases in ISE membership or attendance to ISE meetings do not seem feasible under the present circumstances and the sustainability of Venezuela as a regional chapter of ISE is severely compromised.

1.- <http://news.sciencemag.org/scienceinsider/2010/12/new-law-gives-venezuelan-government.html>

2.- Nature 469, 11 (2011) | doi:10.1038/469011a