

Report of activities: Argentine section of ISE

Prepared for the Meeting of Regional Representatives of ISE,
64th Annual Meeting, Querétaro, Mexico, September 2013

Membership

When I received the national secretary, there were 32 members of ISE in Argentina, as reported during the last Meeting in Prague. After the Meeting I started to contact members of the Iberoamerican Society of Electrochemistry (SIBAE) that were not members of ISE. As a result, 17 new members have been recruited since then. However, seven members of the previous list have seemingly not renewed their membership for this year. Some of them told me that although they still have interest in the Society, they cannot afford the payment for the moment. In conclusion, we have at this moment an increase of ca. 30% in the membership respect to the last year. Although we believe that the number could be a little bit higher (about 50 members) we also expect some fluctuations in the near future due to how the economy of Argentina is developing.

Activities

I have participated in the Prague ISE meeting and in the meeting of the ISE Regional Representatives. The presence of Argentine ISE members in Prague exhibited a notable increase respect to previous meetings, as about 30% of the members participated in the Meeting. I have contacted local members during the last weeks and according to their responses, we expect also a good participation of ISE members from Argentina in Querétaro.

I contacted students in Argentina that could apply to the Student Helper that was offered by the organisation of the meeting in Querétaro. Eventually, one of them obtained it and became a new ISE member.

Argentine ISE members also participated in the 12th and 13th ISE Topical Meetings that took place in Bochum (Germany) and Pretoria (South Africa), respectively, during the present year.

In the last year, ISE members organised in Buenos Aires the "International Symposium Challenges on Lithium-Oxygen Rechargeable Batteries", which was sponsored by the ISE.

We are still working on the possibility of organising a Topical Meeting between 2016 and 2018 in Argentina. There are some problems related to the overlapping of dates with the SIBAE meetings that take place every two years

during the European spring time and in coincidence with the ISE Topical Meetings out of Europe, but we expect to find a solution for that.

Report of the ISE Regional Representative for Australia 2013

Dr. Conor Hogan

Membership

The number of Australian ISE members has increased slightly since the last report from about 100 to 107. Notably, it appears that numbers have held steady after the surge in memberships due the 10th ISE Spring meeting held in Australia in April last year.

Activities

Preparations are underway for an ISE sponsored student focussed conference titled “The Future of Australian Electrochemistry” to be held on 25 November 2013 in CSIRO, Clayton Melbourne. The conference will precede the 19th Australian/New Zealand Electrochemistry Symposium (19ANZES) to be held on the 26th at the same venue. Confirmed speakers are Prof. David Williams from the University of Auckland, New Zealand and Prof. Julie Macpherson from the University of Warwick, UK.

Other

Dr. Conor Hogan was elected as regional representative for Australia in February 2013. Prof. Justin Gooding was elected as a vice president of the ISE for the term 2013-2015.



ISE Regional Representative AUSTRIA Report 2013

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⇒ Electrochemical education, teaching and research at Austrian universities

University chairs

- *Prof. Dr. Juergen FLEIG* (active ISE members)
Vienna University of Technology, Department of Chemical Technologies and Analytics;
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- *Prof. Dr. Achim Walter HASSEL* (active ISE members)
Johannes Kepler University, Institut für Chemische Technologie Anorganischer Stoffe;
achimwalter.hassel@jku.at; <http://www.jku.at/ictas/>.
- *Prof. Dr. Wolfgang KAUTEK* (active ISE members)
University of Vienna, Department of Physical Chemistry; wolfgang.kautek@univie.ac.at;
<http://pchem.univie.ac.at/en/arbeitsgruppen/nano/>
- *Prof. Dr. Werner SITTE*
Montanuniversität Leoben, Chair of Physical Chemistry; sitte@unileoben.ac.at;
<http://physchem.unileoben.ac.at/en/126/>.

Lecturer:

- *Prof. (FH) Dr. Christoph KLEBER*
Academy of Fine Arts Vienna, Department of Science and Technology in Art;
Christoph.Kleber@cest.at; https://campus.akbild.ac.at/akbild_online/lv.liste?corg=13922

Research Groups:

- Assoc.Prof. Dr. Paul Linhardt FLEIG (active ISE member)
Vienna University of Technology, Department of Chemical Technologies and Analytics;
Paul.Linhardt@tuwien.ac.at; <http://info.tuwien.ac.at/cta/korrosion/>
- Assoc.Prof. Dr. Viktor HACKER (active ISE member)
Graz University of Technology
Institute of Chemical Engineering and Environmental Technology
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viktor.hacker@tugraz.at; www.icvt.tugraz.at
- Doctoral research programmes 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/>).

⇒ ISE Austria News

- Regular email informations are distributed among the Austrian ISE-members as “ISE Austria News”

⇒ Electrochemistry in Austria

- New Christian Doppler (CD) Laboratory to be founded in October 2103:
“*CD-Laboratory for Combinatorial Oxide Chemistry*”
Johannes Kepler University Linz, Austria.
Head: Prof. A.W. Hassel
- *6th International Summer School „Advanced Studies of Polymer Electrolyte Fuel Cells”*,
organised by Graz University of Technology, Fuel Cell Group, in co-operation with
Yokohama National University, Yokohama, Japan, August 25th-30th, 2013,
www.icvt.tugraz.at
- *7th International Summer School „Advanced Studies of Polymer Electrolyte Fuel Cells”*,
2014 in Austria, prepared by Graz University of Technology, Fuel Cell Group.
- *Applied electrochemical research and industrial production:*
Happy Plating, Wiener Neustadt, Austria; <http://www.happyplating.eu/de/>.

Vienna, September 2013



Wolfgang Kautek
Regional Representative Austria

ISE Report from the Belgian Regional Representative - September 2013-

Members

The number of ISE members within Belgium is 51.

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 - 9 members
- Division 1: ANALYTICAL ELECTROCHEMISTRY - 14 members
- Division 3: ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE and Division 6 MOLECULAR ELECTROCHEMISTRY - both 12 members
- Division 2: BIOELECTROCHEMISTRY and Division 7 PHYSICAL ELECTROCHEMISTRY – both 11 members
- Division 5: ELECTROCHEMICAL PROCESS ENGINEERING AND TECHNOLOGY – 7 members

Activities

- Professor A. Hubin act as Vice President of ISE (2008-2010) responsible for relations with other Societies.
- The Annual Symposium of the KNCV Working Group on Electrochemistry will be held in Eindhoven on November 26th, 2010. The symposium, titled: “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 will give active members the opportunity to discuss about future scientific activities organized in Belgium in particular within the International Chemistry Year.



Prof. Claudine Buess-Herman



UNIVERSIDADE DE SÃO PAULO
INSTITUTO DE QUÍMICA DE SÃO CARLOS



INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY

ISE Regional Representative in Brazil

2012/2013 Report

Following the information given by Dr. Musiani with respect to authors of papers published in *Electrochimica Acta*, several new members have been invited to join ISE. The large interest in participating on ISE Meetings has also encouraged several new applications. As a result, today there are 110 ISE members in Brazil (July 2013), 20 more than in July 2012 and 48 more than in December 2011.

ACTIVITIES

- 1) Participation of the Prague ISE scientific meeting and in the meeting of the ISE Regional Representatives.
- 2) Invited lecture in the ISE sponsored meeting: "International Symposium on Electrocatalysis – New Concepts and Approaches". Hotel Salinas de Maragogi – November 4-7th. 2012. Organization conducted by ISE members.
- 3) Attribution of money prizes for selected high quality oral/poster works presented by young scientists or PhD students in the Sibee-Simpósio Brasileiro de Eletroquímica e Eletroanalítica, a traditional meeting in Brazil, organized by ISE members and sponsored by ISE. The organizing committee of this meeting was responsible to nominate an internal scientific committee to make the selection. A total of ten prizes was given (six provided by the ISE representative and four by the organizing committee). The prized students/works were:
 - Victor Costa Basseto "Electrochemical studies of creatine monohydrate in a copper alloy electrode under hydrodynamic flow" V. C. Basseto, J. T. C. Barragan e L. T. Kubota.
 - Monah Marques Magalhães "Eletrocatalisador trimetálico de PtSnCu suportado em carbono para a oxidação de etanol em meio ácido" M.M. Magalhães, I. S. Cardoso, T. M. Oliveira, F. Colmati.
 - Michelle Fernanda Brugnera "Fotoeletrocatalise aplicada na desinfecção de água contaminadas com Mycobacterium kansasii e degradação dos metabólitos gerados" M. F. Brugnera, M. Miyata, G. J. Zucolo, C. Q. F. Leite e M.V.B. Zanoni.
 - Vanessa Nascimento dos Santos "Eletrodeposição e Caracterização de Filmes de Nanobastões de Óxido de Zinco" V. N. Santos e S. A. S. Machado.

- Carla S. Santos "Construção de microeletrodo sensor de pH para aplicação em Microscopia Eletroquímica de Varredura" C. S. Santos, A. S. Lima, V. F. G. da Silva e M. Bertotti.
 - Marccus Victor Almeida Mendes "Transferência Direta de Elétrons da Glicose Oxidase e Folhas de Grafeno Esfoliadas na Fibra Flexível de Carbono" M. V. A. Martins and F. N. Crespilho.
 - Aline Amorim "Eletro-oxidação de Misturas de Metanol e Etanol em Eletrocatalisadores PtSn/C Preparados pelo Método dos Precursores Poliméricos" A. Amorim, L. S. Parreira, M. C. Santos.
 - Letícia Zuchelli "Síntese e caracterização de nanoestruturas de Co_3O_4 - ZnO, obtidas por eletrodeposição" L. Zuchelli, A. C. Lucilha, R. Afonso, P. R. C. Silva, L. H. Dall'Antonia.
 - Eduardo Zapp "Sensor bioinspirado baseado em filme de surfactante e nanopartículas de paládio" E. Zapp, F. D. Souza, B. S. Souza, F. Nome, A. Neves e I. C. Vieira.
 - Letícia Francine Mendes "Investigação das variáveis experimentais no eletropolimento do alumínio usando espectroscopia de reflectância" Mendes, Letícia Francine, Trivinho-Strixino, Francisco.
- 4) Providing EURO 1800 for partial financing two young scientists to participate in the ISE meeting of Queretaro, Mexico. For this, a call was made for the Brazilian ISE members announcing these prizes. The conditions were that the winners were young scientists, become an ISE member, and that a presentation would be made. The designated scientific committee for analyzing the candidates so to select the winners were Edson A. Ticianelli, Romeu Cardozo Rocha Filho and Marcos V. Lanza. Among eight candidates, the prized members were:
- Elisama Vieira dos Santos (PhD student, Universidade Federal do Rio Grande do Norte; advisor: Carlos Alberto Martinez Huitle.
 - Mauricio Higemann (Pos-doc researcher, Univates Lajeado, Rio Grande do Sul.
- 5) Send a proposal for the organization of an ISE Topical Meeting 2015 in Angra dos Reis, Brazil. Theme "Electrochemical Properties and Applications of Advanced Carbon Materials"; 22-25 March 2015. Vila Galé Eco Resort de Angra, Angra dos Reis, Brazil. Organizing Committee Co-chairs: Romeu C. Rocha-Filho (S. Carlos Federal University, S. Carlos, Brazil) and Greg M. Swain (Michigan State University, East Lansing, USA). This proposal was approved.

*Edson Antonio Ticianelli
Regional Representative of Brazil
Institute of Chemistry of São Carlos
University of São Paulo*



Prof. Hiroshi NISHIHARA
Vice President, International Society of Electrochemistry
Department of Chemistry, School of Science
The University of Tokyo
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Japan

August 28th, 2013

Re. Regional Representative's Report – Canada

Dear Professor Nishihara:

Canadians are active members of the International Society of Electrochemistry (ISE) and participate in its annual and topical meetings. The number of Canadian members of ISE has increased from 81 in July 2012 to 86 in August 2013 (a 6.2% increase).

New activities to take place in Canada in 2013-2014:

1. A student meeting to take place in Montreal in fall 2013;
2. A topical meeting entitled "Interfacial Electrochemistry at Atomic, Molecular and Nanoscale Domains", Niagara Falls, Canada, 27-30 April 2014; and
3. A symposium on electrocatalysis to take place in Whistler, B.C., Canada in fall 2014.

These events will become a unique opportunity for the recruitment of new Canadian ISE members.

Please, do not hesitate to contact me should you require any additional information or clarification.

Yours truly,

Gregory Jerkiewicz, Ph.D., M.Eng.
Professor
Canadian Regional Representative



**Universidad Santiago de Chile
Facultad de Química y Biología
Laboratorio de Electrocatálisis
Departamento de Ciencias del Ambiente**



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Profesor Asistente

August 1st, 2013

International Society of Electrochemistry

Annual ISE report of Chile – 2012/2013

- 1.- New Regional Representative of Chile from January 2013: Ricardo Salazar.
- 2.- New members (Chilean and Spanish) have been recruited via e-mail or by direct contact according to the list sent by Dr Musiani. Currently, there are 31 ISE members in Chile (July, 2013).
- 3.- In November 2012, was realized the IV Meeting of the Electrochemical Division of Chile (DEQ), in Olmué, Valparaíso Region, Chile. Web site: <http://www.deq.cl/index.php?menu=5>.
- 4.- In January 2013, was realized the First Summer School of Electrochemistry in the University of Santiago of Chile, were 30 students throughout Chile participated in class and laboratories. The lectures were given by professors of the University of Santiago of Chile and the laboratories experiences by young professors, postdocs and PhD students. School organizer: Ricardo Salazar. Sponsors: ECS, DEQ & SChQ, Melvyn Becerra (Autolab) and Agencias RubioyGras (CHInstrument).
- 5.- The 2014 Meeting of the Sociedad Iberoamericana de Electroquímica, SIBAE 2014, will be held in La Serena, Chile in April 06-11. Web site: <http://www.sibae2014.cl/sibae2014/Inicio.html>.

Ricardo Salazar González
Regional Representative of Chile

ISE report 2013 -China

MEMBERSHIP

China has now 148 members

SPONSORED MEETINGS

Pacific Rim Meeting on Electrochemical and Solid State Science (PRiME)

The PRiME 2012 Meeting, jointly organized by Electrochemical Society of USA, Chinese Society of Electrochemistry (CSE), Japanese Electrochemical Society, Korea Electrochemical Society etc., was held in Honolulu, HI, October 7-12, 2012. About 100 Chinese electrochemists attended this meeting. PRiME 2012 promoted the academic exchange and collaborations between the electrochemical societies of Asia and Pacific countries.

ORGANIZED MEETINGS

1. The Electrochemical Symposium of China on Lithium-Ion Batteries

In order to promote research progress of the electrochemical studies in China, the CSE decided to organize the electrochemical symposium of China for one to two times per year. The First Electrochemical Symposium of China was held in Suzhou on November 18, 2012, on the topic of Lithium-Ion Batteries for High Energy Density. About 200 representatives from more than 40 research institutions and industry companies attended this symposium. The participants of the symposium discussed the key materials and problems to be solved for the high-energy-density Lithium-Ion batteries.

2. The 17th National Electrochemistry Conference of China

The CSE organizes a national electrochemistry conference for every two years. The next conference, that is the 17th National Electrochemistry Conference of China, will be held in Suzhou in November 15-17, 2013. CSE has held several meetings for preparing the next conference since the fall of 2012, and determined the theme, subject of symposiums, plenary and invited speakers of the conference.

*The Chinese Society of Electrochemistry (CSE),
Shi-Gang Sun, ISE Regional representative of China
2013/8/2*

ISE - ANNUAL REPORT FOR CROATIA / HRVATSKA

2012 / 2013

Number of members:

The current number of ISE members in Croatia / Hrvatska is still 32.

Activities:

The 3rd Student Symposium on Electrochemistry, SSE, took place on 05 April 2013 at the Rudjer Bošković Institute in Zagreb, Croatia / Hrvatska. There were 11 postgraduate students from different universities and institutes who participated with their oral presentations. This way, the participants got the opportunity to familiarize each other with their work and become aware of different possibilities that electrochemistry brings. 3rd SSE was organized by Katja Magdić.

In the organization of the 4th Regional South East Europe Symposium on Electrochemistry RSE-SEE4, held on May 26-30, 2013, Ljubljana, Slovenia, our colleagues and ISE members Višnja Horvat-Radošević and Zoran Mandić were involved in the Scientific and Organizing committees, respectively.

Undergraduate students from Faculty of Chemical Engineering and Technology in Zagreb, University of Zagreb, Croatia / Hrvatska have visited aluminum production plant (Aluminij d.d.) in Mostar, Bosnia and Herzegovina. International Society of Electrochemistry has supported this visit and partially covered transportation expenses from Millennium Fund.

Some of the Croatian ISE members will be present on the 64th ISE Meeting in Mexico.

Šebojka Komorsky-Lovrić

ISE-RR of Croatia / Hrvatska

Zagreb, 15. VII. 2013



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August 2, 2013

REPORT 2013 of the ISE Regional Representative – Czech Republic

Dr. Magdalena Hromadová has been re-elected as Regional Representative for second term 2013-2015.

Membership

Current status of the membership from the Czech Republic is 47 members (Prof. Vetterl past away in 2013), whereas in 2012 the membership was 41. This significant increase is mainly due to increased publicity of the ISE following the Annual Meeting of the Society in Prague in August 2012. PhD students were an important target group for 2013. My goal for 2014 is to achieve that the current student members upon completion of their studies stay within the society and work in the field of Electrochemistry. Additional recruitment was attempted at the Seminar of Students in Liblice on 24 - 26 April, 2013.

Activities

Main activities in 2013 were connected with preparation of three sponsored international electrochemical meetings: 33rd International Conference on Modern Electrochemical Methods, Jetřichovice, 20 - 24 May 2013; 46th Heyrovský Discussions, MOLECULAR ELECTROCHEMISTRY IN ORGANOMETALLIC SCIENCE, Třeř, 23-27 June, 2013 and XIII International Conference on Electrified Interfaces ICEI 2013, Liblice Castle, June 30 – July 5, 2013. These meetings provided good opportunity for the students to learn more about the ISE society and membership advantages. ICEI meeting was additionally sponsored by the funds available from the profits of the Annual Meeting in Prague.

Prepared by:
Magdaléna Hromadová
Regional Representative
Czech Republic

**International Society of Electrochemistry
Annual Regional Report of Denmark
August 2013**

2. August 2013

1. ISE members

By the date of reporting there are 36 ISE members in Denmark, increased by 5 since the last report by July 2012.

2. Activities during the reporting period

The Danish ISE members have been actively involved in organizing the ISE sponsored Carisma 2012 – the 3rd Carisma International Conference on Medium and High Temperature Proton Exchange Membrane Fuel Cells on 3 - 5 September 2012, Copenhagen. Around 150 participants from 20 countries attended the event, of them are 50 speakers (11 invited) in 13 sessions and 63 posters.

The Danish Battery Society was established and the first meeting was held at Risø Campus, the Technical University of Denmark, on 1 March 2013 with 64 participants.

The 5th workshop on electrolysis and CO₂ recycling, a series of workshops alternating between Lenfest Center, Columbia University and Department of Energy Conversion and Storage, Technical University of Denmark, was organized by a senior ISE member (prof. Mogensen) and associates. During the two day event there were 26 oral presentations and 21 posters presented.

Qingfeng Li
The ISE Representative in Denmark

International Society of Electrochemistry

Annual ISE report of Estonia – 2012/2013

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 large interest in the Prague ISE meeting has also encouraged several new applications and as a result, today there are 30 ISE members in Estonia (August 2013), whereas in 2012 the membership was 24. Efforts to recruit new members continue, especially targeting new PhD students and young scientists.

Electrochemical research activities and conferences

Many Estonian electrochemists attended the 63rd ISE Annual Meeting at Prague, Czech Republic (August 19-24, 2012), ISE sponsored 3rd International Symposium on Enhanced Electrochemical Capacitors, 3-7 June, 2013, Taormina, Italy and international conference „Functional materials and Nanotechnologies-2013“, Tartu, Estonia, April, 21-24, 2013.

A lot of our members will be present on 64th Meeting in Santiago de Queretaro, Mexico.

Tartu, August 8, 2013

Dr. Alar Jänes

Regional Representative of Estonia

August 14th, 2013

Report 2013 from the ISE Regional representative for Finland

(prepared for the ISE Regional Representatives meeting to be held in Santiago de Queretaro, Mexico, during the 64th Annual Meeting of the ISE between September 8th and 13th, 2013)

1. Membership

The number of members within Finland is currently 29. The number of members has unfortunately decreased somewhat during year 2013.

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

2. Activities

Many members will attend the ISE meeting in Santiago de Queretaro, representing several of the ISE divisions. Members have also been active in several other conferences related to electrochemistry, electrochemical sensors and conducting polymers.

As surplus of the organization of the past 9th Spring Meeting in Turku, Finland, in 2011, our Regional Section has been allocated some money to the benefit of the local ISE members. This money will be used to organize a one-day electrochemistry symposium in fall 2013 in Turku.

Unfortunately, I am not able to attend the Santiago de Queretaro Annual Meeting.

Sincerely,



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

ISE report 2013 - France

MEMBERSHIP

France has now **224 members** (250 members in 2012, 253 members in 2011).

SPONSORED MEETINGS

A School on Electrochemistry, organised by Vincent Vivier from the laboratory LISE in Paris has received a financial support from ISE France

1- “Thematic School on Electrochemistry: micro-reactors, micro-sensors and micro-batteries (Eμ3)

Dates: May 27-31, 2013

Location: Autrans (Isere)

Sponsored by: Executive Committee

Registration fees for two students were paid thanks to the ISE support (Yaddi Nouredin and Lala Ahmet)

2- Journées d'Electrochimie

Dates: 8-11 July, 2013

Location: Paris

Sponsored by: Executive Committee

During the “Journées d'Electrochimie” different prizes were attributed. The first one was assigned to a young electrochemist “Prix Jeune Chercheur en Electrochimie”. The winner was Mathieu ETIENNE (CR CNRS from the University of Lorraine). During the meeting, ten prizes were offered for the best posters produced by students or post-docs from different universities. In 2015, the “Journées d'Electrochimie” will be held in Rome (Italy) and similar prizes should be proposed to award young electrochemists.

ACTIVITIES

The **16th ISE Topical Meeting** will be held in **Saint-Malo** in the “Palais du Grand Large” in the heart of the city, from 31 May – 3 June, 2015. The theme is: “**Multi-scaled analysis of electrochemical systems**”. The Topical Meeting will be presented (briefly) in Queretaro next September, during the General Assembly.

August 1, 2013

*Nadine Pebere
Regional Representative for France
Institut Carnot CIRIMAT
Toulouse, France*

ISE Report 2012 - Germany

Membership: increased to **231** (from **174 members** on august 13th 2012)

ISE and ISE Sponsored meetings:

12th ISE Topical Meeting: Bioelectrochemistry 2013, Bochum 17-21 March, 2013

2nd Ertl Symposium on Surface and Interface Chemistry, Stuttgart 24 - 27 June, 2012,

Spectroelectrochemistry, Dresden 26-29 August, 2012

8th Deutsches BioSensor Symposium, Wildau, 10-13 March, 2013

further electrochemistry meetings in Germany:

Electrochemistry 2012, 'Fundamental and Engineering Needs for Sustainable Development', TU München, 17th – 19th September, 2012 (organized by GdCh, DBG, Dechema)

Meetings to come:

Electrochemistry 2014 Mainz (22. bis 24. September)

Helmut Baltruschat

Report 2013 of the ISE Regional Representative - Greece

prepared for the Meeting of the ISE Regional Representatives to be held during the 64th Annual Meeting of the ISE in Santiago de Queretaro, Mexico on Monday, September 9, 2013

Election of the ISE Regional Representative - Greece

Dr Symeon Bebelis (Associate Professor, University of Patras, Greece) was re-elected as the ISE Regional Representative of Greece for the term 2013-2015.

Members

- The number of ISE members in Greece has decreased slightly, by 10%, since the last RR Meeting in Prague and, at present, the Greek ISE section numbers 27 members. Their preferences in the activities of the different ISE Divisions are as follows:
 - Division 1, Analytical Electrochemistry (10)
 - Division 2, Bioelectrochemistry (0)
 - Division 3, Electrochemical Energy Conversion and Storage (15)
 - Division 4, Electrochemical Materials Science (18)
 - Division 5, Electrochemical Process Engineering and Technology (12)
 - Division 6, Molecular Electrochemistry (5)
 - Division 7, Physical Electrochemistry (10)
- Efforts to recruit new members continue, especially targeting young scientists.

Participation in international conferences organized or sponsored by the ISE

- *Participation in the 63rd ISE meeting, Prague, Czech Republic (19-24 August, 2012):* Three (3) oral and eleven (11) poster presentations were given by ISE members affiliated with Greek Academic Institutions and Research Centers, whereas approximately ten (10) ISE members from Greece (including the ISE Regional Representative) participated in the Meeting
- *Participation in the 6th European Summer School on Electrochemical Engineering (ESSEE6, <http://pierre.fkit.hr/essee6/>), Zadar, Croatia, 16-21 September, 2012 (sponsored by the ISE):* Dr. S. Bebelis participated in ESSEE6 both as Lecturer and as Member of the Scientific Committee and Advisory Board.

Other activities of Greek members of ISE

- Dr S. Sotiropoulos (Associate Professor, Aristotle University of Thessaloniki, Greece) continued acting as Associate Editor of *Electrochimica Acta*
- Professor C. G. Vayenas (University of Patras, Greece), ISE Fellow, continued acting as one of the Editors of *Modern Aspects of Electrochemistry*

Patras, Greece, 12 August 2013

Symeon Bebelis

Associate Professor

ISE Regional Representative – Greece

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Institute for Solid State Physics and Optics
Wigner Research Centre for Physics
Hungarian Academy of Sciences

Report of activities: Hungarian section of ISE

Prepared for the Meeting of Regional Representatives of ISE,
64rd Annual Meeting, Santiago de Queretaro, Mexico, September 2013

1. ISE members from Hungary

The ISE membership from Hungary was practically stagnant in 2013, similarly to the situation in the earlier period. Now we have 16 Hungarian ISE members. 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. A few colleagues dealing with electroanalysis were invited but none of them joined the ISE. The current level of membership seems to be sustainable, but no significant increase can be foreseen in the near future. The Hungarian ISE community overlaps significantly with the Electrochemistry Committee of the Hungarian Academy of Sciences.

2. Scientific activity

Many Hungarian ISE members attended the previous ISE Annual Meeting in Prague. Since the last report period, there was no ISE-sponsored international electrochemistry meeting in Hungary. The 4th Regional Symposium on Electrochemistry – South-East Europe was visited by the big majority of Hungarian electrochemists (Ljubjana, Slovenia, May 2013).

Besides the activity of our members at the meeting, several Hungarian ISE members indicated that they find an important task to contribute to the level of the society journal, *Electrochimica Acta* with their frequent reviewing activity.

Budapest, 14 August 2013

A handwritten signature in blue ink, appearing to read "László Péter".

László Péter

Senior research fellow

Head of the Electrodeposited Nanostructures Group

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ISE-Regional section of I. R. IRAN Annual Report 2012/ 2013

Membership

Up to 2012, 24 Iranian scientists were active in different ISE sections. Currently, due to problem to send the membership fee to overseas, Iranian ISE section has only 10 individual active members.

Activities

The Iranian electrochemists have participated in several international and national conferences on electrochemical topics including:

- 1- One national electrochemistry seminar was held by the Iranian Electrochemical Society (IECS) (The 8th Annual meeting on 30-31 Jan, 2012 at Mazandaran University, Babolsar, Iran. And one national electrochemistry seminar will be held by the Iranian Electrochemical Society (IECS) (The 9th Annual meeting on 2-3 Nov., 2013 at Tehran University.
- 2- One national analytical chemistry seminar (contain a separate section of electrochemistry) was held by the Iranian Chemical Society (ICS) (The 19th Annual meeting on 26-28 Feb., 2013 at Ferdowsi University, Mashad, Iran; and One national chemistry congress (contain a separate section of electrochemistry) was held by the Iranian Chemical Society (ICS) on 7-9 Sept., 2013 at Yazd University, Yazd, Iran.
- 3- Thirty-five papers presents by Iranian researchers in the 63rd Annual Meeting of the International Society of Electrochemistry, 19-24 August 2012, Prague, Czech Republic. Two papers presents by Iranian researchers in 12th Topical Meeting of the International Society of Electrochemistry & XXII International Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society, 17-21 March, 2013, Bochum, Germany. One Iranian researcher was participated in 64th Annual Meeting of the International Society of Electrochemistry, 8-13 September 2013, Santiago de Querétaro, Mexico. Finally One Iranian researcher was participated in 13th Topical Meeting of the International Society of Electrochemistry, 7 to 10 April, 2013, Pretoria, South Africa.
- 4- **Published articles**
Based on SCOPUS reports in 2012, more than 5360 chemistry articles by Iranian researchers have been published in ISI indexed Journals.

Isfahan, Oct. 04, 2013
Ali A. Ensafi
Regional Representative of I. R. IRAN



ISE REPORT 2013 from the Regional Representative - Ireland

Members

The number of ISE members within Ireland has decreased to 21 in August 2012. Of these, three are new members that have published a manuscript in 2013 on EA and were likely recruited through the communication to EA authors. Division 1&2 (5 members) and Division 4 (3) are the divisions with most members among those that explicitly choose a division, in line with Ireland strength in Analytical Chemistry. However, there are several research groups with strong focus on bioelectrochemistry.

Activities

In the last three years, I have actively promoted bioelectrochemistry within the Society for Industrial Microbiology (USA) that has strong interest in bioelectrochemistry and bio-electroreactors.

Since May 2012, I moved to Singapore on sabbatical leave. Due to the obvious difficulty of interacting with Irish members from such a remote location, there was relatively little communication in the last few months.

September 6th, 2013

Enrico Marsili
School of Biotechnology
Dublin City University
Ireland



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Alexander Vaskevich
Senior Staff Scientist
Department of Materials&Interfaces

ISE REPORT 2013 from the Regional Representative ISRAEL

Members: The number of ISE members from Israel in essentially constant standing on 20 (21 in 2012). In 2013 ISE Executive Committee appointed Daniel Mandler as ISE Fellow.

Meetings: This year several meetings conferences were hold.

- **From Electrochemistry to Functional Nanomaterials** one-day workshop honoring Prof. Rubinstein took place in the Weizmann Institute of Science, Rehovot on January 19. Workshop included 6 invited lectures of scientists from Germany Israel, Netherland, and USA, and poster session with 30 posters presented.
- **Isranalytica 2013**, the 16th Annual Meeting of the Israel Analytical Chemistry Society took place on January 30-31th at the David Intercontinental Hotel, Tel-Aviv. Conference attained 1200 participants and more than 1800 visited exhibition making it one of the largest annual conferences in analytical chemistry in the World. Two-day conference included 4 plenary lectures, 12 keynotes and 61 lectures delivered by top international scientists, a special video conference session delivered by Dr. Davit of the FDA, and a poster session. Chaim N. Yarnizky (ISE member) received ACS Medal for Excellence in Chemistry. Isranalytica has been recognized by the International Society of Electrochemistry and Cooperation for International Traceability in Analytical Chemistry.
- **7th workshop on Scanning Electrochemical Microscopy and Related Techniques** took place on 17-21 February at Ein Gedi, Israel. Workshop included 9 invited and 27 contributed talks and 30 posters. Workshop was supported by Divisions of Analytical Chemistry and Physical Electrochemistry of ISE.
- **Israelectrochemistry 2013** was held in Bar-Ilan University on June 02. One-day conference included 4 invited talks researchers from Israel and USA, 12 oral talks delivered by students and poster session with more than 30 posters. Conference was supported by Israel National Research Center for Electrochemical Propulsion.

Regional Representative: Daniel Mandler was elected as next Israeli Representative to ISE.

August 18th, 2013
Alexander Vaskevich
Regional Representative

ISE Report 2013 - Italy

Dr. Sandro Cattarin has been elected Regional Representative of Italy for the term 2013-2015.

ISE membership. Promotion of membership renewal and recruiting of new members have been actively pursued, mostly based on indications from Dr. Musiani concerning the authors of papers published in *Electrochimica Acta*. At present (August 2013) there are **105 ISE members in Italy**, about the average number of the last three years and well above the number of 2012. The effort to recruit new members is mostly focused on new PhD students and young scientists.

Participation to ISE operative bodies. Marco Musiani, Executive Secretary; Francesco Paolucci, Chair Elect of Division 6 (Molecular Electrochemistry) for the years 2013-2014.

Sponsored Meetings. ISE sponsorship has been granted to two Congresses: the 3rd International Symposium on Enhanced Electrochemical Capacitors (ISEECap2013), held in Taormina, 3-7 June 2013; and the annual national meeting of the Electrochemistry Division of the Italian Chemical Society, “Giornate dell’Elettrochimica Italiana 2013”, to be held in Pavia, 22-27 September 2013. In this occasion the advantages of ISE membership will be illustrated to young scientists.

ISE Activities. A proposal for organizing the Annual ISE Meeting 2018 in Italy has been submitted.

Prizes and Awards. Christian Durante, University of Padova, and Giovanni Valenti, University of Bologna, have received ISE Travel Awards to participate to the 2013 (64th) Annual ISE Meeting, Santiago de Querétaro, Mexico, at which they will present Oral Communications.

August 5th, 2013

Sandro Cattarin
Regional Representative of Italy
CNR-IENI - Institute for Energetics and Interphases
Padova, Italy

International Society of Electrochemistry
Annual ISE report of Japan – 2012/2013

1. ISE members and recruitment

New members have been recruited via e-mail according to the list sent by Dr Musiani. Requirement was also done at some meetings organized by Electrochemical Society of Japan (ECSJ). Currently, there are 414 ISE members in Japan (July, 2013). ECSJ is one of the major societies of electrochemistry community and now the number of ECSJ member is more than 5,300. So, strong collaboration with ECSJ will be essential for further development of ISE.

2. Electrochemical research activities and conferences

ECSJ handles all fields of electrochemistry including fundamental and applied studies. Also ECSJ has the strong relationship with major enterprises. The 2012 Fall Meeting of ECSJ was held as PRiME 2012 in Honolulu, Hawaii during October 7-12, 2012 in collaboration with the Electrochemical Society, Japan Society of Applied Physics, Korean Electrochemical Society, Electrochemistry Division of the Royal Australian Chemical Institute, and the Chinese Society of Electrochemistry. The total attendee was 3,811 including 1,322 from Japan.

The 80th Anniversary Meeting of ECSJ was held in Sendai during March 29–31, 2013 (attendee: 1,807). On this special occasion, ECSJ set a special ceremony to celebrate the 80th anniversary of ECSJ. Dr. H. Kim, the President of ISE, was invited to the ceremony to deliver a congratulatory address. The 2013 Fall Meeting of ECSJ will be held in Tokyo in September 27-28.

Tomokazu Matsue

Regional Representative of Japan

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

ISE REPORT 2013 from Korea

Meetings

November 8-10, 2012: KECS fall meeting was held at Jeju Convention Center, Jeju island, Korea. Korea-Australia joint symposium was also held simultaneously in the same place.

April 11-13, 2013: KECS spring meeting was held at Changwon Exhibition Convention Center, Changwon, Korea. The meeting was successful with 800 participants covering all electrochemistry disciplines from fundamentals to applications.

Members

Prof. H. Kim, chair professor in Energy Systems Engineering Faculty of DGIST, Daegu, Korea, is now serving the society as the president of ISE from this year.

The Korean section of ISE has maintained its members as almost same as previous year's members.

We all were surprised that Prof. Su-Moon Park suddenly passed away on January 12, 2013. His obituary appeared in the ISE homepage as well as others as follows:

<http://electroanalytical.org/SEACcom/SEACcom-feb13.pdf>

http://www.electrochem.org/dl/interface/sum/sum13/sum13_p028_033.pdf

He had served as the president of The Korean Electrochemical Society during 2004-5. He will be greatly missed by many Korean members as well as colleagues in other countries. We are planning to have a memorial symposium during the fall meeting of KECS for remembering his contributions and impacts on electrochemical community.

No other special activities related to the society were here in Korea.

I will be able to attend the 64th ISE meeting in Queretaro, Mexico, with other Korean colleagues. Some of them are newly joined our society. Look forward to seeing you all.

August 5th, 2013

In-Hyeong Yeo, Regional Representative of Korea

Prof. of Chemistry, Dongguk University, Seoul 100-715, Korea.

International Society of Electrochemistry Report of Activities: Lithuania – 2012/2013

1. ISE membership.

The current number of ISE members in Lithuania is 16. Most of them are involved in the activities of the following Divisions: Electrochemical Materials Science, Physical Electrochemistry and Analytical Electrochemistry. Step by step we are trying to incorporate younger scientist in these activities. We are going to propose our new PhD students, to join ISE this autumn.

2. Participation in ISE sponsored meetings.

In 2012 our colleagues attended the ISE sponsored ESEAC 2012 meeting in Slovenia, as well ISE Annual meeting in Prague.

3. Activities.

In September 2013 we are organizing two International scientific events: School-Workshop “Challenges in Electrochemical Surface Modification” and Lithuanian Chemistry Conference 2013. The invited lectures will be given by prof. Ch. Brett, prof. Z. Jusys and other outstanding scientists. The participation of all Lithuanian ISE members, as well as PhD students and other investigators is anticipated.



Rimantas Ramanauskas

Head of Institute of Chemistry,
Center for Physical Sciences and Technology,
Vilnius, Lithuania

Regional Representative of
Lithuania, 22 August 2013

REPORT OF THE REGIONAL REPRESENTATIVE IN MEXICO

By the beginning of the 2013 ISE Meeting, the section has 209 members, distributed along the scientific divisions of the society. This number is the highest for Mexico. All the activities of the Mexican Electrochemical Society have concentrated in the 64th ISE Annual Meeting and in the complementary ISE Sponsored Satellite Meeting “MicroEchem 2013”, which will take place a few days after the Annual Meeting. In this last event, a number of delegates and keynote lecturers from the ISE AM were invited and will attend. Also, the first regional ISE Student Meeting will take place on September 19th.

For 2014, participation of members of the region is expected in the meeting of the Iberoamerican Electrochemical Society (SIBAE), along with the Fall Meeting of the Electrochemical Society, which will be in Cancun, Mexico

Dr. Carlos Eduardo Frontana Vázquez
Regional Representative of Mexico

August 2013

ISE Report 2013 from the Regional Representative the Netherlands

(Prepared for the ISE Regional Representatives meeting to be held during the 64th Annual Meeting of the ISE, September 8th – 13th, 2013, Santiago de Queretaro, Mexico)

Renewal of Regional Representative (2013 – 2015)

After consultation with the members within the region, Maarten Van Brussel, from Metrohm Autolab B.V., was re-elected for a second term as representative for the Netherlands.

Members

The number of members within the Netherlands is currently 26. 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):

1. Division 3: ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE (9)
2. Division 4: ELECTROCHEMICAL MATERIALS SCIENCE (9)
3. Division 1: ANALYTICAL ELECTROCHEMISTRY (8)
4. Division 7: PHYSICAL ELECTROCHEMISTRY (8)
5. Division 5: ELECTROCHEMICAL PROCESS ENGINEERING AND TECHNOLOGY (7)
6. Division 2: BIOELECTROCHEMISTRY (4)
7. Division 6: MOLECULAR ELECTROCHEMISTRY (2)

Activities

In 2012, the *Koninklijke Nederlandse Chemische Vereniging* (KNCV) symposium was held at the TU Delft on November 9th, 2012. The symposium, focused on the Electrochemistry of (photon)conversion processes. A presentation about the activities of the ISE was held at this meeting.

The next KNCV symposium will be held on November 29th, at the University of Leiden. The meeting will focus on Electrocatalysis. It is expected that the number of attendees will be about 60 (from the Netherlands and Belgium). A presentation about the activities of the ISE and the 67th Annual meeting of the ISE will be held at this meeting.

Preparations for the 67th Annual Meeting of the ISE in Den Haag

In 2012, together with Marc Koper, we evaluated the possibility to host the Annual Meeting in the Netherlands. Several locations were considered and one of them was selected for the proposal. The selected location is the World Forum, in The Hague (<http://www.worldforum.nl/>). The site fits within the expected scope of the conference, offers suitable accommodation within walking distance and is very accessible by public transportation.

A proposal was prepared in 2012 for the organization of the 67th Annual Meeting of the ISE in The Hague (The Netherlands). The proposal has been evaluated and accepted.

The Meeting will be presented in Queretaro next September, during the General Assembly.

August 9th, 2013
Maarten Van Brussel
Metrohm Autolab B.V.

Utrecht, the Netherlands

Short report on Norwegian ISE activities in 2012/2013

Membership

The number of Norwegian members of the ISE steadily increased till 2009, but has over the last years reduced to 17 members in 2013. The reduction in the number of members is suggested to reflect variations in the number of foreign PhD students doing theses in electrochemistry in Norway

Participation in ISE sponsored meetings

Academics and students from the Norwegian University of Science and Technology (NTNU) participated in the ISE annual meeting in Prague, Czech Republic in 2012.

Other

Beyond routine attempts of recruiting members to the ISE no other activities specific to the organization were organised in 2012/13.

A significant incident for ISE and electrochemistry in Norway in 2013 was the loss of Professor emeritus Reidar Tunold. Norwegian electrochemistry thus lost one of its most characteristic characters for half a century. Professor Tunold joined NTNU (then the Norwegian Institute of Technology) in the early sixties, and remained active until his disease prevented him from pursuing his interests in various areas of electrochemistry any further at the end of 2012.

Professor Svein Sunde participated as an invited speaker at the ISE-sponsored 5th workshop on electrolysis and CO₂ recycling at the Technical University of Denmark.

August 6, 2013

Regional representative Norway
Svein Sunde
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12 August 2013

Report on ISE activities in 2012/2013 – Poland

ISE Membership:

In Poland we have now **103** ISE members

ISE and ISE Sponsored meetings:

- **3rd International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface**, 27 May -1 June, Krakow, Poland, Division 4

- **9th ECHEMS Meeting “Electrochemistry in Particles, Droplets and Bubbles”**
23-26 June, 2013, Lochow, Poland, sponsored by Division 6

Meetings to come:

- **6th Kurt Schwabe Symposium**
Date: 16-19 September 2013
Location: Krakow, Poland
Sponsored by: Division 3

Other activities:

More than 40 electrochemists from Poland participated in **63rd Annual ISE Meeting in Prague**. Among them, 18 were young scientists (PhD and postdoctoral level).

Magdalena Skompska

Polish ISE Regional Representative for the term 2013-2015

REPORT 2012-2013 of the ISE Regional Representatives – Russia

The second period of **A. A. Nekrasov** as Regional Representative of Russia at ISE terminated in 2012. The formal procedure carried out in October-November 2012 resulted in election of the new representative, **M. A. Vorotyntsev**, who combines actually his honorary duties as Directeur de Recherche Emerite at the Institute of Molecular Chemistry of the University of Burgundy (ICMUB, UMR 6302 CNRS), Dijon, France with research at the M. V. Lomonosov Moscow State University and at the Institute for Problems in Chemical Physics, Russian Academy of Sciences (IPCP RAS), Chernogolovka, Russia.

Membership

Within the period of 2011-2012 there were 50 to 51 members of the Russia section of ISE. The actual number is 56. It seems to be premature to judge whether this increase is stable and related to a greater activity of young researchers or it is merely a consequence of the active participation of the Russian section in the Annual ISE Meeting-2012 in Prague.

The global situation with research in Russia is actually unpredictable in view of the law under consideration in the Russian parliament concerning the future of the Russian Academy of Sciences (as well as several other Russian academies). Depending on its final content this law may play both strongly positive and crucially negative role in the further development of the sciences in Russia.

Activities

Main activities in the period from August 2012 till August 2013 were in the area of pure and applied electrochemistry. In view of a very weak publication activity of Russian members in international journals strong efforts have been made in this direction, in particular, owing to the thematic issue of *Electrochimica Acta* "Electrochemistry of Electroactive Materials" (EEM-2013, M. A. Vorotyntsev being its organizer and a Guest Editor) where over 10 contributions of Russian researchers are anticipated.

Members of the section took an active part in the Annual ISE Meeting-2012 in Prague as both an organizer of symposium 8 (M. A. Vorotyntsev) and authors of (oral and poster) presentations, A. A. Karyakin being invited as a keynote speaker. Presentations of the Russian section are also expected in the course of the 64th Annual ISE Meeting in Mexico, September 2013.

ISE members of IPCP RAS, of the electrochemistry chair of the Moscow State University, of the A. N. Frumkin Institute of Physical Chemistry and Electrochemistry, Russian Academy of Sciences (IPCE RAS), Moscow and of the Saint-Petersburg State University took active part in preparation and realization of several national and international conferences:

1. 9th International Workshop on Electrochemistry of Electroactive Materials (WEEM-2012), Szeged – Hódmezővásárhely, Hungary (ISE-sponsored conference), June 2012.
2. 10th International Symposium on Systems with Fast Ionic Transport (ISSFIT), Chernogolovka, Moscow Region, July 2012.
3. International school-conference "Molecular aspects of solid-state and interfacial electrochemistry"(MoIE-2012). Dubna, Moscow Region, August 2012.
4. 4th conference (with elements of youth school) "Organic and hybrid nanomaterials", Ivanovo Region, June-July 2013.
5. International conference "Ion Transport in Organic and Inorganic Membranes", Tuapse region, June 2013.
6. 2nd Russian conference "Fuel cells and related energy devices", Chernogolovka, Moscow Region, July 2013.

They also participated in other international electrochemical conferences, e.g. "Energy related nanomaterials", Ulm, Germany, June 2013 and "7th international school on nanomaterials", Vilnius, Lithuania, May 2013. Young Russian electrochemists took/will take part in the above conference in Germany as well as in various national-wide events, as "2nd congress of Russian analytical chemists", Moscow, September 2013 and Youth Forum "Lomonosov-2013", Moscow, April 2013,

Special session devoted to the famous Russian electrochemist V. G. Levich is under preparation (November 2013) at IPCE RAS, with active participation of the Russian section of ISE.

Each year (in October) the electrochemistry chair of the Moscow State University organizes the A. N. Frumkin Hearings (chaired by B. B. Damaskin) with several invited lectures devoted to various areas of electrochemistry and related disciplines, including invitations of top foreign electrochemists. Besides, winners of the annual competition for the A. N. Frumkin prize among young researchers deliver their presentations.

IPCE RAS has been carrying out annual conferences of young researchers (besides young research staff of the Institute they include PhD and Magistrate students performing their research at IPCE) where electrochemical presentations (annually about 8 to 10 talks) formed a separate section. These sessions (including the evaluation of presentations) are coordinated by Russian ISE members.

The Russian section of ISE participated actively also in the "Young researcher competition" at the Institute for Problems in Chemical Physics (IPCP PAS), Chernogolovka where a member of the Russian ISE section E. V. Zolotukhina was awarded with a prize at the final stage of this competition (the one of the whole Institute level).

The chemical faculty of the Saint-Petersburg State University organized "7th national conference of young researchers as well as PhD and magisterial students in chemistry and nanomaterials: Mendeleev-2013" in April 2013 where several presentations in the area of electrochemistry were made within the physical chemistry section. Besides students of SPb university there were participants of numerous universities of Russia as well as from abroad.

A forum for discussions of electrochemical problems is provided by sessions of the research seminar at the electrochemistry chair of the Moscow State University (<http://www.elch.chem.msu.ru/rus/seminarold.htm>). In particular, a special memorial session devoted to the famous Russian electrochemist V. S. Bagotsky took place in January 2013.

Early in 2013 a new entity has been created: Moscow region seminar on electrochemistry (A. R. Khokhlov being its Coordinator, M. A. Vorotyntsev serving as its Academic Secretary, site: <http://seminar-elchem.msu.ru/>). Several presentations at this seminar have already taken place, with participation of several tens of Russian electrochemists in these meetings.

M. A. Vorotyntsev is actually a member of the Advisory Board of *Electrochimica Acta* as well as a vice-chair of Division 4 of ISE. A number of Russian ISE members serve as reviewers for this journal.

Prepared by:

Alexandr Nekrasov and Mikhail Vorotyntsev

Former and actual Regional Representatives of Russia at ISE



ISE Regional Representative of Serbia 2012/2013 Report

Currently there are 39 ISE members from Serbia, as in 2012. Considering the relatively small number of electrochemists in Serbia, this number is significant.

During the fall 2012 and spring 2013, Electrochemical Division of the Serbian Chemical Society was prepared the Application for the organization of the 70th ISE Annual Meeting in 2020, with main theme "Electrochemistry towards Excellence". Letter of Intent (including Signed Rules for ISE Annual Meetings, Bid Book, supports from electrochemists in the region, Information about the Serbian Chemical Society and Information about Belgrade) was sent to the **Executive Committee of the International Society of Electrochemistry** in early May 2013. Unfortunately, until now we have not received any feedback, even if our application was received by the Committee.

We hope that our application will be supported at a Meeting of Regional Representatives in Santiago de Queretaro, and we hope that will soon get some feedback from the Executive Committee.

ACTIVITIES

1. More than 15 electrochemists from Serbia were participated in **63rd Annual ISE Meeting in Prague**. I take part in the Meeting of the ISE Regional Representatives held during the Meeting.
2. Participation in organization of the **6th European Summer School on Electrochemical Engineering (ESSEE)**, sponsored by the International Society of Electrochemistry (ISE), held in Zadar, Croatia, September 16-21, 2012. <http://pierre.fkit.hr/essee6/>. Three students from Serbia attended a School.
3. Participation in organization (and the presence of more than 15 members from Serbia) of ISE sponsored the **4th Regional Symposium on Electrochemistry: South-East Europe (RSE-SEE4)** - <http://www.rse-see.si/>, held in Ljubljana, Slovenia, May 26-30, 2013. **Satellite Student Regional Symposium on Electrochemistry – SSRSE** sponsored by the International Society of Electrochemistry (ISE) took place in the same location on May 25, 2013. Several students from Serbia attended this event.
4. The organization of activities within the Electrochemical Division of the Serbian Chemical Society, including the organization and participation in **8th International Conference of the Chemical Societies of the South-East European Countries** - <http://www.shd.org.rs/lcosecs8/>, particularly Electrochemical Section of the Conference.
5. Organization of international conference **XV-YuCorr - Science and Practice in the Fields of Corrosion, Materials and Environmental Protection** September 17–20, 2013, Tara Mountain, Serbia, organized by the Serbian Society of Corrosion and Materials Protection – UISKoZaM, sponsored by the International Society of Electrochemistry (ISE). More than 70 contributions will be presented, by the author from more than 10 countries, mostly from the region. <http://www.sitzam.org.rs/15YUCORR/>

6. During the past year the following lectures were organized by the Division:
- Dr Stevan Stojadinović**, University of Belgrade: „Plasma electrolytic oxidation of metals“
 - Dr Nenead Marković**, Argonne National Laboratory, USA: „Design and synthesis of electrochemical interfaces for energy conversion and fuel production“.
 - Dr Aleksandar Zeradjanin**, Max-Planck-Institut für Eisenforschung: “The influence of electrode morphology on the efficiency of electrocatalytic reactions with gas evolution.
7. Improving cooperation with the electrochemists from the region, primarily from Croatia. As a result of this cooperation a new Open Access Journal of Electrochemical Science and Engineering – jESE was launched: four issues (Vol 2 and 3) of the Journal were published (<http://www.jese-online.org>).

Sincerely,



Aleksandar Dekanski

Dekanski@ihtm.bg.ac.rs

<http://elchem.ihtm.bg.ac.rs>

Report 2013 of the ISE Regional Representative, South Africa

Prepared for the ISE Regional Representatives meeting to be held during the 64th Annual Meeting of the ISE, Sept. 8- 13, 2013, Santiago de Queretaro, Mexico

Membership

- 1) Our membership has grown from a mere 39 in 2012 to 110 members in 2013.
- 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.

Activity

The major activity this year was the hosting of the 13th Topical Meeting of the ISE, with the topic "*Advances in Electrochemical Materials Science and Manufacturing*", was held in Pretoria, South Africa, April 07 – 11, 2013. The meeting was a huge success, attracting 218 participants from 25 countries. This was the first time an ISE meeting was ever held in African soil.

As part of the 13th ISE Topical Meeting, a workshop on "Practical Electrochemical Sensors with Relevance to Africa" was held on Thursday, 11 April, 2013.

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



Report 2012 from the ISE Regional Representative of Spain

Members

According to the Member Directory of ISE, the number of members within Spain is currently 109 (107 in 2012, 104 in 2011), coming from Universities, Research Institutes of CSIC, Technological centers and Spin-off. All the Spanish co-authors of papers published in *Electrochimica Acta* during 2013 have been contacted (in sequence of Marco Musiani information).

Activities

-The ISE-sponsored *XXXIV Annual Meeting of the Electrochemistry Group of the Spanish Royal Society of Chemistry (RSEQ) and XV Encontro Ibérico de Electroquímica*, attended by 170 people, was celebrated in Valencia between 15th and 17th July 2012, organized by Francisco Vicente Pedrós (Chair) and José Juan García Jareño (Secretary), both from Valencia University (Spain). Plenary lectures were given by M.Urquidi-Macdonald (USA), A.J.M. Valente (Portugal), H. Perrot (France) and D.D. Macdonald (USA).

-During the Meeting, 17 PhD students defended their Thesis Plan and 12 Master students presented their Master Research work on Electrochemistry. The registration fees of all these students were sponsored by the ISE-Spanish Group.

-ISE-Spain Travel Awards for Young Electrochemists

2 travel grants have been awarded to Young Spanish Electrochemists (ISE Members) to participate in the 64th Annual ISE Meeting to be held in Querétaro (Mexico), with the funds of the ISE-Spanish Group.

-A Master on electrochemistry - "*Electrochemistry: Science and Technology*" was organized for the first time in January 2013 at the University of Alicante, coordinated by Vicente Montiel (University of Alicante), with the participation of 13 students.

-The new edition of the PhD program on electrochemistry - "*Electrochemistry: Science and Technology*" - was coordinated by Enrique Herrero (University of Alicante) and was followed by 17 students from 6 Spanish universities.

August 12th, 2013

Carlos M. Müller
Spain ISE Regional Representative
University of Barcelona



Report for the RR meeting in Queretaro 2013, Sweden

Members:

The number of members has dropped slightly since last year, and is presently 43 (59 in 2012). This is most likely due to that a number of persons joined ISE for the meeting in Prague, and did not continue to pay the fee for 2013.

Conferences:

Many members attended the ISE meeting in Prague, representing several of the ISE divisions, and have also been active in several other conferences related to electrochemistry and renewable energy systems.

During 3-4th of June the 2nd Electrochemical Workshop took place in Umeå, and was sponsored by ISE. Please see next page for the conference report.

Planning has started to organize the first Nordic battery conference (planned for 4-6 Dec., 2013).

ESEAC 2014 (European society for electroanalytical chemistry) will be held in Malmö, Sweden in June 2014. The planning for that conference is in progress, and is lead by Prof. Lo Gorton.

A. J. Bard and A. Heller will be awarded the Torben Bergman-medal at the national conference in Analytical Chemistry (Stockholm 2014). An electrochemistry session is planned for that conference.

Electrochemists in the south of Sweden will plan and host the Bioelectrochemical Society's annual conference (BES 2015) in the Øresund region 2015.

Recruiting new chemistry students:

The efforts during the Year of Chemistry has continued. Younger ISE members are frequently involved in activities to promote chemistry, especially directed towards younger children. Examples include chemistry shows and hands-on experiments in city centers. Some of them have been filmed by regional television and are available on YouTube.

Best Regards,

Dr. Fredrik Björefors, RR Sweden, July 04, 2013
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Sweden
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Report to International Society of Electrochemistry

During 3-4th of June the 2nd Electrochemical Workshop took place and was sponsored by ISE.

Four invited lecturers participated with plenary talks. One of them was Dr. Fredrik Björefors who is the chair of ISE in Sweden and he also took the opportunity to give a brief introduction of ISE.

34 people registered to the workshop, most of them from Umeå University, around 30% came from outside Umeå.

Many talks were of high quality and inspired the audience to good discussions and a friendly atmosphere.

The meeting was free of charge including meals, coffee breaks and dinner.

The third Electrochemical Workshop is planned for next year, also in Umeå.

We sincerely thank the ISE for the financial support!

Yours sincerely,

Prof. Britta Lindholm-Sethson
Umeå 19 juni 2013
Dept. of Chemistry
Umeå University
901 87 Umeå
Sweden

Switzerland: The organization of the 65th annual ISE fall meeting (Chairman: Prof. Hubert Girault) 31 August-5 September 2014 in Lausanne, SWITZERLAND, has well advanced with the selection of the conference themes and their organizers. We are confident that this will be an excellent meeting in a beautiful setting, so please come numerous!

ISE Annual Meeting 2013, Santiago de Queretaro - Regional Representatives Meeting

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

Annual report, ISE UK Regional Section (2012-2013)

Over the last year, the ISE has been involved in a range of local student meetings in an effort to publicize the Society and its activities. This included three regional student meeting, namely the "South-East Postgraduate Meeting" (academic lead: Dr Katherine Holt, UCL), the "Great Western" Student meeting (Prof. Frank Marken, Bath) and the Midlands Electrochemistry Meeting (Dr Darren Walsh, Nottingham). All these (one-day) meetings were well-attended - they have typically about 40-50 student participants and a poster session, as well as a small number of plenary talks from established academics.

The Regional Group would like to thank the ISE for the quick turnaround time of these applications, which in some cases was a matter of days. In all cases, efforts were made to involve students from neighbouring countries, even though this admittedly not easy for one-day meetings.

Compared to last year, the membership has essentially remained constant with 172 (active) members (down from 173 the previous year). This means we have consolidated at a larger group size, compared to four years ago when we had 124 members.

There are ongoing discussions in the RSC Electrochemistry Group, which I am a member of, to engage in a formal collaboration agreement with the ISE, but no conclusions have been reached yet. We will continue to engage with the RSC Electrochemistry and also the RSC Electroanalytical Chemistry groups, to enhance the visibility of the ISE further with the hope of attracting more members in the near and medium-term future.

Finally, the UK Regional Group is also heavily involved in other activities of the Society with Dr Mary Ryan as the Chair of Division 4, Prof. Frank Walsh as the Past Chair of Division 5, Dr Jay Wadhawan as (joint) Vice-Chair of Division 6, Prof. Andrea Russell as Chair Elect of Division 7 and Prof. Patrick Unwin as Chair Elect of the New Topics Committee.

Yours sincerely,

Tim Albrecht

13th August 2013



Regional Representative (USA) Vadim F Lvovich
Summary of activities
2 August 2013

Membership

Currently there are 517 (495 in 2012) total members in the USA section of ISE.

Activities

1. With input from the ISE members, organizational structure is being put in place and location of the meeting has being decided (Providence, RI, USA) for the 2017 68th ISE annual meeting.
2. 12th International Symposium on Electrokinetic Remediation, 23-26 June, 2013, Boston, USA, sponsored by Division 5

My activities as the Regional Representative, accomplished since February 2012, 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 (in 2013 we gained 22 new members), the efforts are not excessive and its continuation is definitely a good idea. As in the previous years, this task was accomplished with significant input from Dr. 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,
Vadim F Lvovich