

Regional Reports 2017

Regional Section	Report
Argentina:	YES
Australia-New Zealand	YES
Austria:	YES
Belgium:	
Brazil:	YES
Bulgaria:	
Canada:	
Caribbean Region	YES
Chile:	YES
China:	YES
Croatia:	YES
Czech Republic	YES
Denmark:	YES
Estonia:	YES
Finland:	YES
France:	YES
Germany:	YES
Greece:	YES
Hungary:	YES
India:	
Iran:	YES
Ireland:	YES
Israel:	YES
Italy:	YES
Japan:	
Korea:	YES
Lithuania:	YES
Mexico:	YES
Netherlands:	
Norway:	
Poland:	
Portugal:	YES
Romania:	YES
Russia:	YES
Serbia:	YES
South Africa:	YES
Spain:	YES
Sweden:	YES
Switzerland:	YES
Taiwan:	YES
Turkey:	YES
Ukraine:	YES
United Kingdom:	YES
USA:	YES

Report of activities: Argentine section of ISE

Prepared for the Meeting of Regional Representatives of ISE,
68th Annual Meeting, Providence, U.S.A., August 2017

Membership

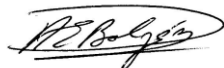
The local membership shows a significant increase thanks to the participation of scientists and students in the Topical Meeting held in Buenos Aires last March. The membership increased from 32 to 55. As this phenomena is a normal consequence of any ISE meeting, we are now working on the sustainability of this number for the next years. This will be, however, one of the main tasks of the next National Representative as this is my last year as such.

Activities

I assisted to the last ISE Annual Meeting held in The Hague and presented there the 20th Topical Meeting which was held during this year in Buenos Aires from 19th to 22nd March. The topic of the meeting was "Advances in Lithium and Hydrogen Electrochemical Systems for Energy Conversion and Storage", and was organised by Ezequiel Leiva, as co-chair, Deborah Jones, Robert Kostecki, Yan Yao and Candace Chan and myself. The venue was at the Auditoriums of the Pontifical Catholic University of Argentina and the sessions included four keynotes, 11 invited lectures, 86 oral, 88 poster presentations, and the participation of 203 delegates from 30 countries along with 9 exhibitors.

I am currently organising the election of the next National Representative.

Best regards,



Agustín E. Bolzán
Regional Representative for Argentina

Report of the ISE Regional Representative for Australia & New Zealand 2017

Dr. Conor Hogan

The number of Australia & New Zealand ISE members stands at 77.

The 19th ISE Topical Meeting was held in Auckland, New Zealand on 17- 20 April 2016. <http://topical19.ise-online.org/index.php> The conference was a great success both in terms of the quality of the scientific discourse and the attendance. The conference was preceded by a one-day student focussed conference (which was also very successful). This was co-organised by the Electrochemical Division of the Royal Australian Chemical Institute, the New Zealand Institute of Chemistry and the ISE. *The 20th Australia/New Zealand Electrochemistry Symposium (20ANZES) and ISE Satellite Student Regional Symposium on Electrochemistry.*

The Katsumi Niki Prize for Bioelectrochemistry was won by Prof Justin Gooding, UNSW, Australia.

Regional members of Australia and New Zealand had a strong presence at 67th Annual meeting of ISE, The Hague, Netherlands, 21-26 August 2016.

**Institute for
Chemistry and Technology of Materials**

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Graz, 2017-07-18

Report of the ISE Regional Representative for Austria 2017

Membership

The number of Austrian ISE members has slightly decreased from 37 in July 2016 to 35 at the time of this report.

Activities

The [6th Regional Symposium on Electrochemistry of South-East Europe](#) - RSE SEE 6, June 11–15, 2017, Balatonkenese, Hungary has been organized by the Hungarian electrochemistry community. The Austrian Institute of Technology and the Graz University of Technology were among the co-organizers, and the ISE sponsored the conference.

The [10th International Summer School on Polymer Electrolyte Fuel Cells](#), jointly organized by Yokohama National University (Prof. Shigenori Mitsushima) and Graz University of Technology (Prof. Viktor Hacker), will take place in Yokohama from August 20th to August 24th, 2017.

Austrian electrochemists currently make an effort to better network themselves on national level. Possible measures to achieve this, will be discussed during a meeting at the [Austrian Chemistry Days](#) in Salzburg on September 25th. Once a suitable national platform exists, it is planned to make a bid for organizing either a topical or an annual ISE meeting.

Dr. Bernhard Gollas

Report of the ISE Regional Representative of Brazil 2017

A - Membership

The number of ISE members has grown from 62 in December 2011 to 90 in July 2012, 110 in July 2013, remaining more or less constant after that and reaching 107 members in July 2014, 120 in September 2015, 119 in August 2016, and 83 in July 2017.

B - Activities

"XXI Simpósio Brasileiro de Eletroquímica e Eletroanalítica" (XXI SIBEE) was held in Natal (Brazil) in 17-21 April, 2017. The conference covered the traditional and the new areas of electrochemistry as described within the ten Divisions of the Electrochemical and Electroanalytical Brazilian Society: in general, from molecular and interfacial, to sensors and environmental, to industrial processes such as power sources and energy conversion, and to the development of new materials and nanotechnology. Main topics were: Electroanalytical, Electrocatalysis, Environmental Electrochemistry, Electrochemistry of Nanostructured Materials, Fundamental Electrochemistry, Organic Electrochemistry and Bioelectrochemistry, Energy, Electrochemical Materials and Processes, Sensors and Biosensors, Surface Treatment, and Corrosion and Passivation. During the meeting there were many specific activities reserved to student participation, including participation in the organizing committee, organization of discussion groups among participants (graduate and undergraduate) and invited professors during poster sessions in order to motivate the interaction of Brazilian students with authoritative experts in the field of environmental electrochemistry. The list of Key Lectures included: Herman Terry, Manuel Andrés Rodrigo, Philippe Allongue, Shelley Minteer, Gustavo A Rivas, Jose H Zagal, Maria Valnice Boldrin, Ernesto Pereira, Enric Brillas, Fritz Scholz. The ISE supported this meeting with 600 Euros.

Sincerely yours,

Hamilton Varela

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ISE-Caribbean Regional Section

Annual Report 2016/ 2017

1. Members for country

Currently, there are the following members of Caribbean Regional Section:

Colombia: 8

Venezuela: 3

Puerto Rico: 4

2. Activities for country

3.1. Colombia:

- The 1th Symposium of the Applied Electrochemistry: Materials and Corrosion was held in the “Universidad Santiago de Cali”, Cali 04-05 April 2016.

- The II Colombian Electrochemistry Congress took place in the Bucaramanga city from 04 to 07 October 2016. It was attended by around 180 people came from every regions of the country.

- During the II Colombian Electrochemistry Congress, the Colombian Electrochemistry Association was stablished. The bylaws of the Colombian Electrochemistry Association were approved during the first general assemble constituted by 48 members.

- 3.2. Puerto Rico:

No activities were reported

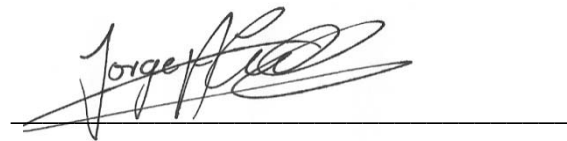
3.3. Venezuela:

In the year 2016, the XXIX National Meeting of Electrochemistry was held at Simón Bolívar University, Caracas, Venezuela, from November 9 to 11, with the participation of

90 people from the areas of chemistry, chemical engineering and materials from different Venezuelan universities and institutions. The congress was chaired by Dra. Lorean Madriz from the Universidad Simón Bolívar, Caracas - Venezuela. In the congress, there were 36 oral (undergraduate and graduate students) and four plenary lectures by renowned professors such as Prof. Benjamín Scharifker, Prof. Ronald Vargas, Prof. Pedro Matheus and Prof. José Martínez.

Unfortunately, I will not be able to participate at the 68th ISE Annual Meeting to be held in Providence (USA). Other colleagues of the Caribbean region, Colombia, Venezuela and Puerto Rico, could represent our region.

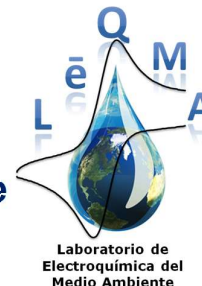
Best regards.

A handwritten signature in black ink, appearing to read "Jorge A. Calderón", written over a horizontal line.

D. Sc. Jorge Andrés Calderón G.
Representative of the ISE Caribbean Region
Universidad de Antioquia
Medellín, Colombia



**Universidad Santiago de Chile
Facultad de Química y Biología
Laboratorio de Electroquímica del Medio Ambiente
Departamento de Química de los Materiales**



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Profesor Asociado

International Society of Electrochemistry

Annual ISE report of Chile – 2017

- 1.- Currently, there are 35 ISE members in Chile (July, 2017).
- 2.- In November 2016, was realized the VI Symposium of Electrochemistry of the Chilean Society of Chemistry (SiELEC-2016) in Valparaíso Region, Chile.
- 3.- In January 2017, was realized the Fourth Summer School of Electrochemistry in the University of Santiago of Chile, were 40 students from Chile and Latin-America participated in class and laboratories. The lectures were given by professors of different Universities of Chile, and laboratories were given by young professors, postdocs and PhD students. Sponsors: ISE, DEQ & SChQ, Melvyn Becerra (Autolab) and Agencias RubioyGras (CHInstrument).
- 4.- Chilean community has a new winner of the ISE-Elsevier Prize for Green Electrochemistry: Dr. Abdoulaye Thiam, researcher of the Universidad Tecnológica Metropolitana de Santiago.

Ricardo Salazar González
Regional Representative of Chile

18th July, 2017

Dr. Ricardo Salazar González
Profesor Asociado
Facultad de Química y Biología
Universidad de Santiago de Chile.

Annual ISE report of China (2017)

Members:

ISE Regional of China actively encourages the Chinese scientists in the field of the electrochemistry and the relative fields to become the ISE member through the website of CSE (the Chinese Society of Electrochemistry) and WeChat. The current number of ISE members in China is 368.

Activities:

ISE regional group organizes the 19th National Electrochemistry Conference of China, which will be held in Shanghai on 1st -4th, December, 2017. This meeting will organize over 10 symposiums. More than 2500 participants will attend this meeting. CSE and ECS will joint to organize an “International Symposium on Energy & Environment” paralleled with the national session. The conference is the highest level and largest scale electrochemistry academic event in China. The conference topics mainly focus on basis, application and frontier problems in the development of electrochemical science and technology. Outstanding electrochemists from China and from abroad will display latest research results and improvements, and discuss challenges, opportunities and directions met in the field of electrochemistry for promoting the progress and application of electrochemistry discipline in areas of energy, environment and materials and accelerating the sustainable development of our society.

ISE regional group has submitted a proposal to organize the ISE topic meeting in 2020 in Chongqing, and also helps to set up the Zhaowu Tian Prize for Energy Electrochemistry in 2017.

ISE regional group is also actively encouraging the Chinese scientists to attend the 68th ISE Annual Meeting, in Providence, Rhode Island, USA.

July 22th, 2017

Yong-yao Xia

ISE Regional Representative of China



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Zagreb, July 28th, 2017.

International Society of Electrochemistry

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ISE - ANNUAL REPORT FOR CROATIA

2016/2017

Membership

The current number of ISE members in Croatia is 25. Since last report the number has decreased by four.

Activities

1. Four members from Croatia actively participated at **67th Annual Meeting of the International Society of Electrochemistry** in Hague, Netherland, with one oral presentation and three poster presentations (August, 2016).
2. Our member, Denis Sačer, Faculty of Chemical Engineering and Technology, University of Zagreb, participated at **Meetings of the Electrochemical Division of the Serbian Chemical Society** with lecture "Supercapacitors based on graphene / pseudocapacitive materials" (December 2016).
3. In February 2017 some members actively participated in Open Doors Days organised by Faculty of Chemical Engineering and Technology, University of Zagreb, where Laboratory of

Electrochemistry was presented to the public and to the future students.
(https://www.fkit.unizg.hr/najave_kongresa?@=20ynya)

4. Five members participated at **25th Croatian Meeting of Chemists and Chemical Engineers (25HSKIKI)** in Poreč (Croatia) with oral and poster presentations (April 2017).

5. Four members actively participate at **6th Regional Symposium on Electrochemistry of South East Europe**, in Balatonkenese, Hungary, with one oral presentation and four poster presentations (Jun, 2017). This symposium was supported by ISE.

6. The **7th ISE Satellite Student Regional Symposium on Electrochemistry** took place at Ruder Bošković Institute (July 2017) where 14 participants (young scientists, PhD students and undergraduate students) took part in oral presentations. This traditional Student Regional Symposium was supported by ISE (<http://pierre.fkit.hr/ise-ssrse2017/>). Four students from Slovenia participated in this Meeting.



Marijana Kraljić Roković
ISE-RR of Croatia



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July 30, 2017

REPORT 2017 of the ISE Regional Representative – Czech Republic

Membership

Current status of the membership from the Czech Republic is 49 members. Since 2012 the number of ISE members from the Czech Republic has never decreased below 40, typically it was oscillating around 45 with a maximum in 2015 (52). Again, PhD students have been an important target group for 2017. Recruitment of new ISE members and/or membership renewal has naturally been attempted during national conferences or international conferences organized in the Czech Republic, particularly those sponsored by the ISE (see below).

Activities

Main activities in 2013 have been connected with preparation of four sponsored international electrochemical meetings:

XXXVII Modern Electrochemical Methods
15-19 May 2017, Jetrichovice, Czech Republic

11th European Symposium on Electrochemical Engineering
4-6 June 2017, Prague, Czech Republic

50th Heyrovsky Discussion on Molecular Electrochemistry in Organic and Organometallic Research
8-22 June 2017, Castle Trest, Czech Republic

18th Advanced Batteries, Accumulators and Fuel Cells (ABAF)
10-13 September 2017, Brno, Czech Republic

These meetings provided/will provide a good opportunity for students to learn more about the ISE society, as well as membership advantages and benefits.

Prepared by:
Miroslav Fojta
Regional Representative
Czech Republic

Regional Representative Meeting
ISE Annual Meeting 2017

09. August 2017

Annual Regional Report of Denmark

By the date of reporting there are 45 ISE active members in Denmark, with an addition of 4 new names.

Through the year, the Danish ISE members have continued to be active in a range of activities within the field of electrochemistry. A new series of the conference on electrolysis was initialized and the 1st conference was held in Copenhagen 13-16 June 2017 with around 200 participants. This year the Danish Electrochemical Society is organized with a special theme on “Low-temperature fuel-cell and electrolysis technologies” on the 2nd-3rd of November 2017. A range of national R&D projects dealing with this theme will be presented.

Qingfeng Li
dr.techn., professor
The ISE Representative in Denmark



ISE REPORT 2017

ISE Membership

By the date of reporting there are 31 ISE members in Estonia, decreased by 2 since the last report (August 2016).

Activities and conferences

ISE members of Estonia have been participating actively in several international conferences, workshops and meetings related to the topics of electrochemistry, energy storage and conversion, Nanoscience and technology, neutron scattering, and electrocatalysis as follows:

- Energy Storage in Batteries: Materials, Systems, and Manufacturing SCCER Summer School (11-15 July, 2016, Möschberg, Switzerland)
- 67th Annual Meeting of the International Society of Electrochemistry (21-26 August, 2016, The Hague, The Netherlands)
- COST MP1303 WG3 Workshop
- ECS PRIME 2016 (2 - 7 October 2016, Honolulu, Hawaii)
- COIL 7: 7th International Congress on Ionic Liquids (June 25-30, 2017 at Mont Tremblant, Canada)
- 231st ECS MEETING (May 28-June 1, 2017, New Orleans, LA)

Organization of meetings and ISE membership

The members of the Estonian ISE community organized the first Nordic-Baltic Graduate School on Neutron Scattering, which will take place in Tartu, Estonia, September 11-21st, 2017.

The community is planning to organize the next Baltic Electrochemistry Conference (BEC) in Tartu, Estonia. Therefore, it is hoped that a number of the members of the ISE will increase over the coming year(s).

Scientists are encouraged to become part of the International Society of Electrochemistry community.

My sincerest apologies for not be able to attend the ISE meeting in Providence.

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Tartu, August 2017

ISE REPORT 2017 from the Regional Representative Finland

Members

The number of ISE members within Finland has remained relative static at 26, which reflects the relative turnover of members (particularly at the Post-Doctoral level) who have arrived or left to pursue career opportunities outside of the region and changes in the focus of electrochemical research within Finland in recent times.

Activities

A special issue of *Electrochimica Acta* based on the papers presented at BEC has been published as a virtual special issue entitled “*Electrochemistry of Functional Interfaces and Materials (BEC 2016)*”. The so far issue comprises of 18 articles that covered topics including “*Effect of the ligand framework of cobalt clathrochelates on hydrogen evolution electrocatalysis: electrochemical, spectroscopic and Density Functional Theory analyses*”; “*An activity scale of cathode materials for the electrochemical cyclisation of allyl 2-bromo-benzyl ether*” and “*Electrochemically grafted single molecule junctions exploiting a chemical protection strategy*”.

In addition, a 5000 € surplus from the BEC conference has been donated to Finnish Regional Section. These funds are intended for the payment of Annual ISE conference fees for the one or two Ph.D students/Early Career Post-Doc ISE members, starting with the 69th Annual Meeting in Bologna, Italy, in order to facilitate their attendance.

The membership remains active as whole, with a number of international conferences featuring members of the section and an election for Regional Representative was held within the section and Ben Wilson of Aalto University was re-elected for a second term.

Future Plans

Steps to both increase the membership and publicise the availability of funds to student members will be undertaken over the coming months.

Unfortunately, I will not be able to attend the ISE meeting in Providence, USA for which I send my sincerest apologies.



Dr. Ben Wilson, Regional Representative, Finland (ben.wilson@aalto.fi)



Université de Lille

Institut d'Electronique, de Microélectronique et de Nanotechnologie (IEMN-UMR CNRS 8520)

ISE ANNUAL REPORT 2017-FRANCE

ISE Membership

The number of ISE members within France is currently 231, which is a slight decrease to the previous years (260 members in 2016, 265 members in 2015, 233 members in 2014).

Activities

1. Journées d'Electrochimie (<https://je2017.sciencesconf.org/>)

Dates: 26-29 June 2017

Location: Bordeaux

Organisers: Dr. Stéphane Arbault, Pr. Neso Sojic

The JE 2017, a French conference on Electrochemistry, held every two years and organized in collaboration with the "Electrochemistry" sub-division of the "Société Chimique de France" (president: Hubert Perrot, LISE, Paris) brought together more than 280 participants and addressed a diverse range of topical issues related to electrochemistry.

Plenary lectures:

- Jean-Marie Tarascon, Chimie du Solide et de l'Energie, Collège de France, Paris
- Sylvie Chardon, Département de Chimie Moléculaire, Grenoble
- Féthi Bédioui, Unité de Technologies Chimiques et Biologiques pour la Santé, Chimie ParisTech, Paris

Rewards sponsored by ISE:

- 4 Prizes "Posters JE": Jordan Baux (CIRIMAT, Toulouse), Samuel Leleu (CIRIMA, Toulouse), Nathaly Ruiz Onofre (Phenix, Paris), Oana Hosu (DCM, Grenoble)
- 1 Prize "Prix Jeunes Chercheurs": Tony Breton (Université d'Angers)

Future events

1. 8th meeting of Electrochemistry in Nanoscience

Dates: 29-31 May 2018

Location: Nancy

Organiser: A. Walcarius and members of the Electroanalytical Chemistry group of the Laboratoire de Chimie Physique et Microbiologie pour les Matériaux et l'Environnement (LCPME); Collaboration with sub-division of the "Société Chimique de France"

Invited speakers:

- Jean-Pierre Sauvage, Université de Strasbourg, France, 2016 Nobel Laureate in Chemistry
- Philip N. Bartlett, University of Southampton, UK
- Michael V. Mirkin, Queens College, Energy Institute, The City University of New York, USA
- Wolfgang Schuhmann, Ruhr-Universität Bochum, Germany

13 July 2017

Sabine SZUNERITS

Regional Representative for France (2017-2019)

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ISE Report 2016-2017 - Germany

Bonn, 22.08.2017

Membership: 272 (from 252 members on August 2nd 2016).

past ISE sponsored meetings (since the last ISE meeting):

*International Conference on Advances in Semiconductors and Catalysts for
Photoelectrochemical Fuel Production (SolarFuel16)*
5-6 September 2016, Berlin, Germany, Division 3

ELECTROCHEMISTRY 2016

26-28 September 2016, Goslar, Germany

4th Ertl Symposium on Chemical Processes on Solid Surfaces: Water at Interfaces
11-13 October 2016, Berlin, Germany, Division 7

First European Biosensor Symposium/ 10th German Biosensor Symposium
20-23 March 2017, Potsdam, Germany, Division 2

5th International Symposium on Enhanced Electrochemical Capacitors
10-14 July 2017, Jena, Germany, Division 3

Electrochemical Meetings to come (ISE sponsored **):

Meeting of the section "Elektrochemie" of the GdCh within the conference "GdCh-
Wissenschaftsforum", Berlin, 10. - 14. September 2017

4th International Summer School Spectroelectrochemistry

18-22 August 2017, Dresden, Germany (Organizers: Alexey Popov, Evgenia Dmitrieva)

Dresden Battery Days 2017

18-20 September 2017, Dresden, Germany (Organizers: Jürgen Garche et al.)

10th International Workshop on Impedance Spectroscopy (IWIS)

26-29 September 2017, Chemnitz, Germany (Chairs: Olfa Kanoun, Norbert Wagner)

*2nd Gerischer-Kolb Symposium: Modern Aspects of Bioelectrochemistry***

11-13 October 2017, Schloss Reisenburg, Germany (Organizers: T. Jacobs, L. A. Kibler)

Electrochemistry 2018**

24-26 September 2018, Ulm, Germany (Contact: Timo Jacobs)

Helmut Baltruschat



Report 2017 of the ISE Regional Representative – Greece prepared for the Meeting of the ISE Regional Representatives to be held during the 68th Annual Meeting of the ISE annual meeting in Providence, USA 27 August till 1 September, 2017

1. Membership

- The number of ISE members in Greece for the year 2017 are 26 members which is essentially the same as of 2016. Their preferences in the activities of the different ISE Divisions are as follows (3 of them have not expressed specific preferences):
 - Division 1, Analytical Electrochemistry (8)
 - Division 2, Bioelectrochemistry (2)
 - Division 3, Electrochemical Energy Conversion and Storage (15)
 - Division 4, Electrochemical Materials Science (14)
 - Division 5, Electrochemical Process Engineering and Technology (8)
 - Division 6, Molecular Electrochemistry (5)
 - Division 7, Physical Electrochemistry (12)
- Efforts to recruit new members continue, especially targeting young scientists especially postdocs and PhD candidates. This would at least double the Greek members.

2. Activities

During the ISE 2016 conference in Hague Greece was represented by 9 oral and poster contributions and the conference was attended by 7 Greek participants.

Organization of the '11th European Space Power Conference, Thessaloniki 3-7 October, 2016' which was sponsored by ISE.

- Professor S. Sotiropoulos (Aristotle University of Thessaloniki, Greece) continued acting as one of the Editors 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.

Patras, Greece, 20 July, 2016

Dr Stylianos G. Neophytides

Research Director

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GENERAL SECRETARIAT FOR RESEARCH & TECHNOLOGY



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Budapest, July 30, 2017.

Report of activities: Hungarian section of ISE prepared for the Meeting of Regional Representatives of ISE, 68th Annual Meeting, Rhode Island, USA, August 2017

1. ISE members from Hungary

The ISE membership from Hungary was nearly stagnant during the past decade; now a definite growth of membership happened: now we have 24 Hungarian ISE members. It is a fortunate change that the young people belong to groups dealing with „pure electrochemistry” at two major physical chemistry university departments (rather than employing electrochemistry in a group of other disciplines); probably this number will be stabilized.

2. Scientific activity

Electrochemistry in Hungary has always played a central role in physical chemistry teaching – both on undergraduate and graduate level. This is so also nowadays: the two basic subject at the above-mentioned two universities are focused on photoelectrochemistry and electrochemical kinetics, respectively. There exist also other smaller scale studies (done by ISE members) on corrosion, batteries/supercapacitors and metal deposition in other institutions. Two Hungarian groups (of non ISE-members) are active in sensor-related electrochemistry.

3. Meetings:

The Hungarian ISE community was involved in the organization and participation of two important meetings in 2017:

The 2017 spring topical meeting of the ISE was organized in Szeged, Hungary, in 23-26 April 2017 with the title “(Photo)electrochemistry of semiconductors at the nanoscale: from fundamental aspects to practical applications”. There were respectively 66 and 68 oral and poster presentations, the keynote speakers were Drs Fujishima, Kamat, Lewis, and Peter.

Among the organizers there were Hungarians as follows: Balázs Endrődi (University of Szeged), Csaba Janáky (University of Szeged – Hungarian Academy of Sciences, Organizing Committee secretary), Tamás Pajkossy (Electrochemistry Committee of the Hungarian Academy of Sciences, present regional ISE representative), László Péter (former regional ISE representative, Organizing Committee co-chair), Csaba Visy (University of Szeged). The written version of selected talks will appear in a special issue of the *Electrochim. Acta* in 2018.

The 6th Regional Symposium on Electrochemistry - South East Europe (RSE-SEE6) was hosted by Hungary in June 2017, held at the lake Balaton, in Balatonkenese, June 11-15. This was

supported by the electrochemical societies of the region, represented by 17 countries; was sponsored by the ISE. There were more than 100 participants the overwhelming majority of whose were from South-East Europe; the scientific program consisted of 4 plenary lectures (held by Drs Mayrhofer, Eliaz, Gyenge, and Inzelt) 6 keynote lectures, 53 and 39 oral and poster presentations, respectively. The list of the participants just as the program (the scientific and social as well) can be found at the <http://rse-see2017.hu/> webpage.

The local organizers were the following people: György Inzelt, Győző Láng and Soma Vesztergom (Eötvös Loránd University) and Tamás Pajkossy (Electrochemistry Committee of the Hungarian Academy of Sciences). The written version of selected talks will appear in a special issue of the J. Electrochemical Science and Engineering in 2018.



Tamás Pajkossy

Regional ISE representative of Hungary

Report of the ISE Regional Representative for I.R. Iran

(Aug. 2017)

A- Membership

Up to 2017, 26 Iranian scientists are active in different ISE sections.

B- Activities

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

- 1- 12th Annual Electrochemical Seminar, Oct. 16-17, 2016, Tarbiat Modares University, Tehran, Iran; by Electrochemical Soc. of Iran.
- 2- 19th Iranian Chemical Society Conference (with a separate section in electrochemistry), 21-23 Feb. 2016, Shiraz University, Shiraz, Iran.
- 3- The 67th Annual Meeting of the International Society of Electrochemistry, 21-26 Aug. 2016, The Hague, The Netherlands.
- 4- 23th Iranian Analytical Chemistry Seminar, Sept. 3-5, 2016, Sharif University, Tehran, Iran.

C-Published articles

Based on Scopus reports 1298 papers have been published in 2016 by Iranian scientist in the field of electrochemistry (<https://www-scopus-com.scopesprx.elsevier.com/results/results.uri?sort=plf-f&src=s&sid=E5279226F14AA35AFD15C13E55EECEA4.ZmAySxCHIBxxTXbnsoe5w%3a930&sot=a&sdt=a&sl=58&s=AFFILCOUNTRY%28iran%29+AND+PUBYEAR+%3d+2016+AND+Electrochemistry&origin=searchadvanced&editSaveSearch=&txGid=0>)

This is increase in the Iranian publication in electrochemical methods vs. 2015 (about 13%). Forteen of them are book chapters, two of them are books, and forty-five of them are Reviewer. From the published papers, fifty-seven papers in 2016 are published in *Electrochimica Acta*.

Isfahan, Aug. 19, 2017

Ali A. Ensafi

Regional Representative of I. R. IRAN



University College Cork
Lee Maltings
Cork
Ireland

31st July 2017

ISE Ireland Regional Representative Annual Report (2016-2017)

Members.

The number of ISE members in Ireland has increased by one to twenty three over the past year with five of the universities and one of the institutes of technology represented. Division 4, Electrochemical Materials Science with fourteen members has the largest affiliation. Post graduate students now account for approximately 40% of the membership. We also have a growing number of members that have recently joined companies in Ireland.

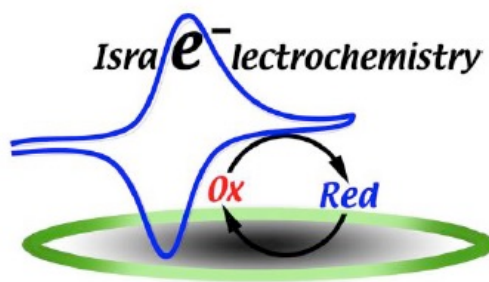
Activities.

The electrochemistry community is expanding through the increased focus nationally on nanotechnology and materials research. To assist with the interaction of the groups around Ireland the student members at Tyndall in UCC will be hosting the first Student Meeting in October this year. Both ISE and non-ISE members are being encouraged to participate. In addition to the scientific content of the meeting and the social aspect the activities of the society will be promoted which we hope will lead to further interaction and growth of the society activities and membership in Ireland.

At the Annual Meeting in Providence there will be eight talks including one keynote presentation and two posters from electrochemists based in Ireland.

Dr. James Rohan
Electrochemical Materials & Energy
Tyndall National Institute
University College Cork
Ireland

tyndall.ie
tyndall.ie/emd-electrochemical-materials-and-energy
connectcentre.ie; <http://edge-research.eu/supervisors/james-rohan/>



*ISE Report from the Israeli Regional Representative
August 2017*

Members

Presently there are 28 Israeli ISE members, most are from academia. This number reflects an increase from 20 members in 2016. The number of electrochemists in the academy including graduate students is estimated to be over 140. With new faculty members that have joined the electrochemical community in the past two years by University name:

Bar-Ilan University: Malachi Noked, Lior Elbaz.

Ben-Gurion University of the Negev: Hadar Ben-Yoav, Emmanuel Shalom, Idan Hod.

Technion: Mathew Suss, David Eisenberg, Dario Dekel.

Tel-Aviv University: Brian Rosen

Honors

Doron Aurbach of Bar-Ilan University was awarded the Frumkin Memorial Medal award of the ISE: **“in recognition of his many and great achievements across fundamental aspects of electrochemistry for more than 35 years, especially in the area of batteries, where he was recognized as the founder of the field of rechargeable Mg batteries”**. The Award will be given in the 68th ISE meeting in Providence, RI.

Doron Aurbach was also awarded the Allen J. Bard Award of the ECS for **“Electroanalytical Techniques Coupled with *in-Situ* Structural Characterization of Electrodes in Devices for Energy Storage and Conversion”**

Daniel Mandler was elected as the head of the ISE Division of Analytical Chemistry.

4 of the ISE members in good standing are ISE Fellows (Aurbach, Gileadi, Lev, Mandler). This respectable number (out of 73 ISE Fellows overall) reflects the achievements of Israeli electrochemists.

Activities

The annual meeting of electrochemistry is called Israelectrochemistry and is held almost every year at a different University. These meetings are usually supported by the Baruch Zinger Foundation, and recently also by the family of the late Prof. Chaim Yarnitzki, which awarded a few prizes for the best lecture and poster presentations. A future meeting is planned for either the fall of 2017 or 2018.

In addition to the annual meeting, a few industry oriented meetings are organized by Shmuel De-Leon Energy Ltd. (www.sdle.co.il) the 6th one on energy storage has taken place on May 2017. The Annual Israanalytica meeting that was held in January 2017, includes many electrochemists in its program.

Prof. Lital Alfonta



ISE Annual Report 2017 – Italy

ISE membership. Despite constant promotion of membership renewal and new recruiting, the number of members remained somewhat below those of the last three years, presumably due to low participation and recruiting at the annual ISE Meeting 2016. At the date of this report the membership has reached, however, a comfortable number of **114 active members**. The effort to recruit new members is focused on new PhD students and young scientists.

Participation to ISE operative bodies.

- Marco Musiani (CNR – Padova), Executive Secretary for the term 2014-2018;
- Francesca Soavi (University of Bologna), Chair Elect of Division 3 (Electrochemical Energy Conversion and Storage) for the years 2017-2018;
- Monica Santamaria (University of Palermo), Chair Elect of Division 4 (Electrochemical Materials Science) for the years 2017-2018;
- Patrizia Mussini (University of Studies of Milan), Chair Elect of Division 6 (Molecular Electrochemistry) for the years 2017-2018;
- Francesco Paolucci (University of Bologna), Past-Chair of Division 6 (Molecular Electrochemistry) for the years 2017-2018.

Sponsored Meetings. ISE sponsorship has been granted to the following Congresses in 2017:

1. First National School on Chemical Sensors, 24-26 May 2017, Naples (Italy), sponsored by the Executive Committee.
2. XII ECHEMS: Electrochemistry in... ingenious Molecules, Surfaces and Devices, 6-9 June 2017, Milano Marittima (Italy), sponsored by the Executive Committee;
3. 21st International Conference on Solid State Ionics, 18-23 June 2017, Padova (Italy), sponsored by the Executive Committee;
4. Congresso Nazionale della Società Chimica Italiana 2017, 10-14 September 2017, Paestum (Italy), sponsored by the Executive Committee;

5. 11th International Symposium on Electrochemical Impedance Analysis, 6-10 November 2017, Camogli (Italy), sponsored by the Executive Committee;
6. Italian Crystal Growth 2017, 20-21 November 2017, Milano (Italy), sponsored by Division 3.

ISE Activities. The preparation of the **69th Annual ISE Meeting (2-7 September 2018, Bologna, Italy)** has proceeded with the publication on the website <http://annual69.ise-online.org/> of all the preliminary information, including:

- 1) the important dates and deadlines;
- 2) information on Venue and Location;
- 3) the full composition of the Organizing Committee that will include 5 Italian Members: Salvatore Daniele (Venice), Francesco Di Quarto (Palermo), Marco Musiani (co-chair, Padua), Francesco Paolucci (co-chair, Bologna), Sandra Rondinini (Milan);
- 4) the Scientific Scope based on selected Scientific Themes.

ISE Awards. Italian winners of ISE Prizes 2017:

- Armando Gennaro (University of Padova) has been awarded the Jaroslav Heyrovsky Prize for Molecular Electrochemistry 2017;
- Federico Bella (Politecnico di Torino) has received the ISE-Elsevier Prize for Applied Electrochemistry 2017 and the Electrochimica Acta and ISE Travel Award 2017 for Young Electrochemists.

July 25th, 2017

Sandro Cattarin, Regional Representative of Italy

ISE REPORT 2017 from Korea

Members

The number of active ISE members from Korea as of today is 240. It was 262 on 2016 and 176 on 2015. We keep trying to help them to participate actively in the activities of ISE.

Activities

1. The Spring Korean Electrochemical Society Meeting in April 6-8, 2017

KECS spring meeting was held at International Convention Center in Jeju Island. The meeting was successful with more than 800 participants covering all disciplines of electrochemistry from fundamentals to applications.



2. Electrochemistry School Workshop from June 22 (Thu) to 23 (Fri)

Electrochemistry School Workshop was held in Seoul National University, led by Taek Dong Chung. It is educational workshop for students and researchers. A fixed number of 100 was allowed to attend the workshop. All of lecturers were active ISE members.

3. 2021 ISE annual meeting in Korea

Korea hosted the ISE annual meeting in 2021. The Korean Electrochemical Society fully supports the meeting. I am going to chair the meeting with Seungmo Oh. We are now building-up local organizing committee.

I am looking forward to seeing you all soon in Providence.

July 29, 2017

Woonsup Shin, Regional Representative of Korea

Department of Chemistry/ BioMedical Engineering, Sogang University, Seoul, Korea.

State research institute Center for Physical sciences and Technology

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International Society of Electrochemistry

ISE ANNUAL REPORT LITHUANIA

Vilnius, 26-07-2017

N^o SR-2500-728

Members

The number of the members in the ISE regional group is still small and it slightly decreased from 22 to 21 in the last year.

Activities

ISE regional group took has prepared proposal for organizing ISE Topical Meeting in 2019 in Vilnius and submitted to the Scientific Meetings Committee, It was accepted for 2018.

Preparations for organization are already in progress.

The Virtual Special Issue of *Electrochimica Acta* dedicated to the *ISE sponsored international conference „Chemistry and Chemical Technology 2016“*, which was devoted to the 210th anniversary of the Electrolysis Theory by Theodor von Grotthuss, has been prepared. The guest editors of this issue are *Rasa Pauliukaite* and *Rimantas Ramanauskas*. R. Pauliukaite is a member of the Scientific Committee of the *ESEAC 2018 in Rod Island, Greece*. ESEAC will be organized in Vilnius in 2020.

Publications by ISE regional group members:

2 presentations were presented *ISE Annual Meeting in The Hague* last year;

4 presentations in the *ISE Topical Meeting in Szeged* (Canada);

2 presentations will be presented in the *ISE Annual Meeting in Providence*, 1 of them is invited and given by Prof. Gintaras Valinčius.

1 presentation was presented in ISE sponsored meeting *ESEAC 2016, Bath, UK*.

4 papers were published in *Electrochimica Acta* by ISE members in 2016-2017.

Future perspectives

ISE Regional group plans to recruit new members, organise 23rd Topical Meeting, attend ISE and ISE sponsored meetings.

Deputy Director

A handwritten signature in blue ink, consisting of a large, stylized 'M' followed by a smaller 'R' and a final flourish.

Vidmantas Remeikis

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Dr. Carlos Eduardo Frontana-Vázquez

Centro de Investigación y Desarrollo Tecnológico en Electroquímica, S. C.
Tel. 52-442-211-6000 Ext 7849, Fax. 52-442-211-6001
Pedro Escobedo, Querétaro, August 28th, 2017

REPORT OF THE ISE REGIONAL REPRESENTATIVE – MEXICO

As of today, August 28th, 2017, the region has 59 members. This number is keeping steady after a surge provoked by the 64th Annual Meeting in Queretaro, which gathered a large number of attendants. The region will be involved in the organization of a Topical Meeting in 2019, in the city of Merida, Yucatan, with the topic “Electrochemical Assemblies at the Meso, Nano and Molecular Scales”. Also, one ISE-sponsored event took place: MicroEchem 2016 “Energy Storage Discussions”, with a total of 50 participants, among lecturers and students. Also, an ISE Regional Student Meeting was organized (the fourth one), with about 20 students. These activities complemented those typically organized by the Mexican Electrochemical Society and a Special Issue of *Electrochimica Acta* was organized with this event.

This is my last report as Regional Representative as the next year, the Region will choose a new one. Therefore, I look forward to see you in further meetings and also provide as much assistance as possible for the development of our society, thanking all of you for your confidence and awaiting to meet you soon in Mérida!

Sincerely,

Dr. Carlos Eduardo Frontana Vázquez
Centro de Investigación y Desarrollo Tecnológico en Electroquímica, S. C, México



International Society of Electrochemistry Annual ISE report of Portugal – 2017

Membership

The number of ISE members slightly increased from December 2016 to August 2017 passing from 18 to 20. Despite the rather limited increase of the membership numbers, it is a good sign, reverting the tendency observed from 2015 to 2016 where we assisted to a significant decrease of about 40%, mainly due to the economy crisis that strongly affected Portugal. It is so expected that new memberships on the Society may be biased by the economic recuperation of the country. An effort in that direction was already made, through the dissemination of the Society and its activities in national meetings. The former members will be also contacted individually in order to consider restoring their membership

Currently, the interest of the Portuguese members in terms of ISE divisions is as follows:

Division 4. Electrochemical Materials science (12 members)

Division 1. Analytic electrochemistry (9 members)

Division 2. Bioelectrochemistry (7 members)

Division 6. Molecular Electrochemistry (6 members)

Division 3. Electrochemical Energy Conversion and Storage (6 members)

Division 5. Electrochemical Process Engineering and Technology (4 members)

Division 7. Physical Electrochemistry (1 members)

Activities

During this period Portuguese ISE members have been actively involved in the organization in several ISE sponsored meetings in Portugal, namely:

- XXI Portuguese Electrochemical Society Meeting, Bragança, 14-17 September 2016
- 7th Clinic on Materials Corrosion and Protection, Lisboa, 17 November 2016
- XXII Portuguese Electrochemical Society Meeting, Ponta Delgada, Azores, 19-22 June 2017
- Hyceltec 2017 - VI Symposium on Hydrogen, Fuel Cells and Advanced Batteries, Porto, 19-23 June 2017

Jorge Correia
Regional representative
Portugal
August 2017

ISE Report from the Romanian Regional Representative
Prepared for the 68th Annual ISE Meeting in Providence, RI, USA

Members

Currently, Romania has 31 ISE members, decreased by 5 since the 66th Annual Meeting of ISE in The Hague. Efforts to recruit new members continue, especially targeting young scientists.

The interest of the Romanian members in the different divisions is given here:

- Division 1: Analytical Electrochemistry - 22 members (decreased by 3 members)
- Division 2: Bioelectrochemistry – 15 members (decreased by 7 members)
- Division 3: Electrochemical Energy Conversion and Storage – 2 members (decreased by 4 members)
- Division 4: Electrochemical Materials Science – 16 members (decreased by 6 members)
- Division 5: Electrochemical Process Engineering and Technology – 5 members (decreased by 1 member)
- Division 6: Molecular Electrochemistry – 11 members
- Division 7 Physical Electrochemistry – 11 members

There are 2 members without affiliation to a specified division.

Activities

The most of the activities related to electrochemistry are performed in universities and research organizations possessing Physical Chemistry and Materials Science specialties. Generally, they consist in:

- **Preparation and publication of papers in ISE journals** (El. Acta,) or other ones which are specific to their R&D activities, including materials science, sensors/biosensors, medicine, renewable energy, etc.

- **PhD theses in the field of Applied Electrochemistry:** 1. Valentina Pileczki, *New cancer treatment strategies applying functional genomics analyses* (coordinator Prof. Robert Sandulescu, U.M.F. „Iuliu Hațieganu” Cluj-Napoca); 2. Oana-Alexandra Hosu, *New strategies in sensor design for analytical and bioanalytical applications* (coordinator Prof. Robert Sandulescu, U.M.F. „Iuliu Hațieganu” Cluj-Napoca and prof. Christopher M.A.Brett, Universidade de Coimbra, Portugalia, cotutele); Harja Florian, *Biogenic amines: study regarding their formation through fermentative processes, new methods for determination and monitoring of their presence in several Romanian wines* (coordinator Prof. Eleonora-Mihaela Ungureanu, University POLITEHNICA of Bucharest), Pop Maria Daniela, *Chemically modified electrodes based on 5-[(azulen-1-yl) methylene]-2-thioxothiazolidin-4-one derivatives for heavy metal ions detection* (coordinator Prof. Eleonora-Mihaela Ungureanu, University POLITEHNICA of Bucharest), Inel (Carneanu) Georgiana Anca, *Organic polimer films based on selenium azulene compounds obtained by electrochemistry* (coordinator Prof. Eleonora-Mihaela Ungureanu, University POLITEHNICA of Bucharest), etc..

- **Participation of ISE members at ISE sponsored and other international meetings,** respectively:

1. A. Cernat, M. Tertiș, C.N. Păpară, E. Bodoki, R. Săndulescu, Nanostructured platform based on graphene-polypyrrole composite for immunosensor fabrication, Biosensors 2016 International Congress, 24-27 mai 2016, Gothenburg, Suedia (poster);
2. L. Fritea, M. Tertiș, C. Cristea, A. le Goff, S. Cosnier, R. Săndulescu, Graphene based biosensors for dopamine determination, Biosensors 2016 International Congress, 24-27 mai 2016, Gothenburg, Suedia (poster);
3. Oana Hosu, M. Tertiș, G. Melinte, R. Săndulescu, C. Cristea, Mucin 4 immunosensor based on p-aminophenylacetic acid grafting on carbon electrodes as immobilization platform, Biosensors 2016 International Congress, 24-27 mai 2016, Gothenburg, Suedia (poster);
4. Bianca Ciui, M. Tertis, A. Florea, O. Hosu, D. Peia, R. Săndulescu, C. Cristea, Electrochemical sensor for dopamine based on electropolymerized molecularly imprinted poly-aminothiophenol and gold nanoparticles, Biosensors 2016 International Congress, 24-27 mai 2016, Gothenburg, Suedia (poster);
5. Luminița Fritea, K. Gorgy, A. Le Goff, L. Galmiche, R. Villalonga, P. Audebert, R. Săndulescu, S. Cosnier, Electrochemical and fluorescent properties of tetrazines in aqueous solution, 16th International Conference on Electroanalysis, 12-16 iunie 2016, Bath, Marea Britanie (poster);
6. Bogdan Feier, C. Cristea, R. Săndulescu, Electrochemical Detection of β -lactam Antibiotics Using a Boron-Doped Diamond Electrode, 16th International Conference on Electroanalysis, 12-16 iunie 2016, Bath, Marea Britanie (poster);
7. Luminița Fritea, Karine Gorgy, A. Le Goff, L. Galmiche, R. Villalonga, P. Audebert, R. Săndulescu, S. Cosnier, Electrochemical and fluorescent properties of tetrazines in aqueous solution, 16th CEEPUS Symposium and Summer School on Bioanalysis, 6-15 iulie 2016, Varşovia, Polonia (poster);
8. Cecilia Cristea, A. Florea, M. Tertiș, O. Hosu, B. Ciui, R. Săndulescu, Electrochemical assays for cancer diagnosis and prognosis, SMOBE, Antwerp, Summer Meeting On BioElectrochemistry (SMOBE), 17-19 August 2016, Antwerp, Belgium (Invited speaker);
9. Anca Florea, Cecilia Cristea, R. Sandulescu, Nicole Jaffrezic-Renault, Molecular imprinting electrochemical sensors for biomedical and environmental analysis, SMOBE, 17-19 August 2016, Antwerp, Belgium (oral presentation);
10. Mihaela Tertiș, Anca Florea, R. Săndulescu, Cecilia Cristea Molecularly Imprinted Polymer Based Platform for the Electrochemical Determination of Dopamine, SMOBE, 17-19 August 2016, Antwerp, Belgium (poster);
11. Bianca Ciui, A. Florea, M. Tertiș, R. Săndulescu, C. Cristea, Novel Gold Nanostructured Platforms for the Sensitive Detection of Neuromediators, SMOBE, 16-19 August 2016, Antwerp, Belgium (poster);
12. Oana Hosu, Mădălina M. Bârsan, Cecilia Cristea, R. Săndulescu, C.M.A. Brett, New poly(methylene blue) films from deep eutectic solvents. Characterization and application for pharmaceutical sample analysis, SMOBE, 16-19 August 2016, Antwerp, Belgium (poster);
13. Oana Hosu, M.M. Barsan, C. Cristea, R. Săndulescu, Ch.M.A. Brett, Nanostructured polymeric films from deep eutectic solvents for analysis of pharmaceutical compounds, SPQ-Analitica-2016 Lisabona, Portugalia (poster);
14. Andreea Cernat, M. Tertiș, N. Păpară, R. Săndulescu, C. Cristea, Composite Nanoplatfoms for Dopamine Detection, 67th Annual Meeting of the International Society of Electrochemistry, 21-26 August, 2016, Haga, Olanda (poster);
15. L. Fritea, K. Gorgy, A. Le Goff, L. Galmiche, R. Villalonga, P. Audebert, R. Săndulescu, S. Cosnier, Tetrazines in Aqueous Solution. Electrochemical and Fluorescent

Studies, 67th Annual Meeting of the International Society of Electrochemistry, 21-26 August, 2016, Haga, Olanda (poster);

16. Bianca Ciui, A. Florea, M. Tertiş, R. Săndulescu, C. Cristea, Novel Gold Nanostructured Platforms for the Sensitive Detection of Neuromediators, Electrochemical and Fluorescent Studies, 67th Annual Meeting of the International Society of Electrochemistry, 21-26 August, 2016, Haga, Olanda (poster);

17. Mihaela Tertiş, A. Florea, R. Săndulescu, C. Cristea, Molecularly Imprinted Polymer Based Platform for the Electrochemical Determination of Dopamine, 67th Annual Meeting of the International Society of Electrochemistry, 21-26 August, 2016, Haga, Olanda (poster);

18. Anca Florea, M. Tertiş, R. Săndulescu, C. Cristea, Novel Gold Nanostructured Aptasensor for the Electrochemical Detection of Dopamine, 67th Annual Meeting of the International Society of Electrochemistry, 21-26 August, 2016, Haga, Olanda (poster);

19. Oana Hosu, M.M. Barsan, C. Cristea, R. Săndulescu, Ch.M.A. Brett, New Poly(Methylene Blue) Nanostructured Films from Deep Eutectic Solvents: Synthesis, Characterization and Application, 67th Annual Meeting of the International Society of Electrochemistry, 21-26 August, 2016, Haga, Olanda (poster);

20. Bogdan Feier, C. Cristea, R. Săndulescu, Electrochemical Aptasensor for the Detection of Ampicillin, 67th Annual Meeting of the International Society of Electrochemistry, 21-26 August, 2016, Haga, Olanda (poster);

21. R. Săndulescu, Anca Florea, Mihaela Tertiş, Oana Hosu, Luminiţa Fritea, Bianca Ciui, Cecilia Cristea, Natural and biomimetic receptors for biosensor design, 13rd International Conference Physical Chemistry 2016, 26-30 September 2016, Beograd, Serbia (Invited speaker);

22. R. Săndulescu, M. Tertiş, A. Florea, L. Fritea, O. Hosu, B. Ciui, A. Cernat, B. Feier, A. Maghear, B. Iacob, E. Bodoki, C. Cristea, Nanosized and nanostructured platforms for biosensors design, 5th Workshop "Specific methods for food safety and quality", 27 September 2016, Beograd (Invited speaker);

23. Cecilia Cristea, A. Florea, M. Tertiş, B. Feier, E. Bodoki, A. Cristea, R. Săndulescu, Is Electrochemistry a useful technique for food analysis? 5th Workshop "Specific methods for food safety and quality", 27 September 2016, Beograd (Invited speaker);

24. Mihaela Tertiş, Andreea Cernat, Daniela Lacaţiş, Anca Florea, R. Săndulescu, Cecilia Cristea, Gold@polypyrrole nanoparticles-based platform for electrochemical detection of serotonin, 150th ICB Seminar Micro and Nanosystems in Biochemical Analysis, 12-14 octombrie 2016, Warsaw, Poland (poster);

25. Anca Florea, Mihaela Tertiş, Cecilia Cristea, R. Sandulescu, Synthetic receptors for electrochemical sensing of dopamine, 150th ICB Seminar Micro and Nanosystems in Biochemical Analysis, 12-14 octombrie 2016, Warsaw, Poland (poster);

26. Cecilia Cristea, Mihaela Tertiş, Graţiela Meseşan, Monica Gorgan, R. Săndulescu, Electrochemical and spectral studies of some acridine-N-oxide derivatives, XII ECHEMS Meeting: Electrochemistry in... ingenious molecules, surfaces and devices, 6-9 iunie 2017, Milano Marittima, Italia (poster);

27. Mihaela Tertiş, Andreea Cernat, Daniela Lacaţiş, R. Săndulescu, Cecilia Cristea, Composite Nanostructured Platforms for the Electrochemical Determination of Serotonin, XII ECHEMS Meeting: Electrochemistry in... Ingenious molecules, surfaces and devices, 6-9 iunie 2017, Milano Marittima, Italia (poster);

28. L. Fritea, K. Gorgy, A. Le Goff, L. Galmiche, R. Villalonga, P. Audebert, R. Săndulescu, S. Cosnier, Host-guest complexation between tetrazines- β -cyclodextrin studied both in solution and films, Mátrafüred, International Conference on Electrochemical Sensors, 11-16 June 2017, Visegrad, Ungaria (poster);

29. Cecilia Cristea, Mihaela Tertiş, Andreea Cernat, Anca Florea, Robert Săndulescu, Nouveaux capteurs électrochimiques pour la détection sélective de la dopamine, Journées d'Electrochimie, 26-29 June 2017, Bordeaux, France (comunicare orală);
30. Oana Hosu, Madalina M. Barsan, Cecilia Cristea, R. Săndulescu, C.M.A. Brett, Nouveaux films nanostructurés à base de polymère de bleu de méthylène réalisés à partir de solvants eutectiques et de nanotubes de carbone: synthèse, caractérisation et application, Journées d'Electrochimie, 26-29 June 2017, Bordeaux, France (comunicare orală);
31. Cecilia Cristea, Mihaela Tertiş, Andreea Cernat, Anca Florea, R. Săndulescu, Une nouvelle plateforme à base de nanoparticules en or et polypyrrole pour la détection électrochimique de la sérotonine, Journées d'Electrochimie, 26-29 June 2017, Bordeaux, France (poster);
32. Bogdan Feier, Cecilia Cristea, R. Săndulescu, Détection électrochimique de la vancomycine, Journées d'Electrochimie, 26-29 June 2017, Bordeaux, France (poster);
33. Oana Hosu, Mihaela Tertiş, Bogdan Feier, Cecilia Cristea, R. Săndulescu, Immunocapteur électrochimique sans marquage pour la détection de la Mucine 4, Journées d'Electrochimie, 26-29 June 2017, Bordeaux, France (poster);
34. L. Fritea, K. Gorgy, A. Le Goff, L. Galmiche, P. Audebert, R. Săndulescu, S. Cosnier, Tetrazines derivatives immobilization within polymeric films by host-guest complexation, Journées d'Electrochimie, 26-29 June 2017, Bordeaux, France (poster);
35. Oana Hosu, K. Elouarzaki, Karine Gorgy, Cecilia Cristea, R. Sandulescu, R.S. Marks, S. Cosnier, New Pyrene-Diazirine Photoactivable Electrode Materials for Biosensing Applications, Journées d'Electrochimie, 26-29 June 2017, Bordeaux, France (poster) Premiul pentru cel mai bun poster;
36. L. Fritea, K. Gorgy, A. Le Goff, L. Galmiche, R. Villalonga, P. Audebert, R. Săndulescu, S. Cosnier, Electrochemical and Fluorescent Studies of Tetrazines based on Host-Guest Complexation both in Solution and Films, XXIVth International Symposium on Bioelectrochemistry and Bioenergetics BES, 3-7 July 2017, Lyon, France (poster);
37. Oana Hosu, Mihaela Tertiş, Bogdan Feier, Cecilia Cristea, R. Săndulescu, Label Free Electrochemical Immunosensor for Sensitive Detection of Mucin4, XXIVth International Symposium on Bioelectrochemistry and Bioenergetics BES, 3-7 July 2017, Lyon, France (poster);
38. Oana Hosu, Madalina M. Barsan, Cecilia Cristea, R. Săndulescu, C.M.A. Brett, New Sensing Platforms for Enzyme Immobilization based on Hybrid Films of Poly(Methylene Blue) from Deep Eutectic Solvents and Carbon Nanotubes, XXIVth International Symposium on Bioelectrochemistry and Bioenergetics BES, 3-7 July 2017, Lyon, France (poster);
39. Anca Florea, Mihaela Tertiş, R. Săndulescu, Cecilia Cristea, Gold nanostructured materials in highly sensitive aptasensor design, XXIVth International Symposium on Bioelectrochemistry and Bioenergetics BES, 3-7 July 2017, Lyon, France (poster);
40. Cecilia Cristea, New Customized Platform Based on Electrochemically Generated Polypyrrole Nanoparticles Decorated with Gold Nanoparticles for the Highly Selective and Sensitive Electrochemical Detection of Serotonin, XXIVth International Symposium on Bioelectrochemistry and Bioenergetics BES, 3-7 July 2017, Lyon, France (comunicare orală);
41. L. Anicai, S. Costovici, O. Brincoveanu, A.-G. Apaz, T. Visan, "The Influence of Plating Conditions on Electrodeposition Process of Binary Co-Mo Alloy Coatings Involving Ionic Liquids Analogues", The 67th Annual Meeting of the International Society of Electrochemistry in The Hague, the Netherlands, 21-26 August 2016
42. A. Cojocar, I. Sin, L. Anicai, A. Cotarta, M. Enachescu, T. Visan, „Electrodeposition of Lead Telluride and Selenide Films from Ionic Liquids Based on Choline Chloride”, The 67th Annual Meeting of the International Society of Electrochemistry in The Hague, the Netherlands, 21-26 August 2016

43. Anca Cojocaru, Aurora Petica, Oana Brincoveanu Aida Ghiulnare Pantazi, Danut Balan, Marius Enachescu, Teodor Visan, Liana Anicai, „Synthesis of Ag nanostructures by electrochemical deposition involving choline chloride based ionic liquids”, , The 11th International Symposium on Electrochemical Micro & Nanosystem Technologies - EMNT2016, 17.08-21.08.2016 Bruxelles
44. Stefania Costovici, Liana Anicai, Teodor Visan, “The influence of additives on the Cu electrodeposition involving deep eutectic solvents”, Conference on Material Science and Engineering - UGALMAT 2016, 19.05-21.05.2016, Galati, Romania.
45. Liana Anicai, Stefania Costovici, Aurora Petica, Danut Balan, Marius Enachescu „Comparative investigation of HER on NiMo alloy coatings electrodeposited from aqueous and DES based electrolytes,”, Conference on Material Science and Engineering - UGALMAT 2016, 19.05-21.05.2016, Galati, Romania,
46. Liana Anicai, Aurora Petica, Andreea Florea, Anca Cojocaru, Teodor Visan, „Electrochemical Ag nanostructures involving deep eutectic solvents”, International Conference of Physical Chemistry - ROMPHYSICHEM 16, 21.09-23.09.2016, Galati, Romania
47. Liana Anicai, Aurora Petica, Florentina Golgovici, Stefania Costovici, Adrian-Cristian Manea, Teodor Visan, „Sn binary alloy coatings involving deep eutectic solvents as nanostructured anodes for Li/Mg ion batteries”, International Conference of Physical Chemistry - ROMPHYSICHEM 16, 21.09-23.09.2016, Galati, Romania
48. Anca Cojocaru, Aida Ghiulnare Pantazi, D.Balan, M.Enachescu, T.Visan,, Liana Anicai, Electrochemical synthesis of various Ni - Fe alloy nanostructures, Workshop of COST Action MP 1407, 12-14 octombrie 2016, Atena, Greece
49. Eleonora-Mihaela UNGUREANU, Maria Daniela POP, George-Octavian BUICA, Liviu BIRZAN, Aida PANTAZI , Amalia STEFANIU, *New Polyazulene Based Materials For Heavy Metal Ions Detection* Barcelona, Spain, May 11-13, Euro Chemistry 2017 4th European Chemistry Congress.
50. A.Oprisanu, M.-D. Pop, V. Anastasoae, E.-M. Ungureanu, M. Cristea, I. Chilibon, L. Birzan, *Thermodynamics Of Polyazulene Based Materials*, European Symposium on Applied Thermodynamics, ESAT 2017, Bucharest Invited lecture
51. Valentin STANESCU, Cecilia IORDACHE, Ionut STANESCU, Magdalena-Rodica BUJDUVEANU Veronica ANASTASOAI, Maria-Daniela Pop, Eleonora-Mihaela Ungureanu, *Polyazulene Based Materials For Heavy Metal Ions Detection* European Symposium on Applied Thermodynamics, ESAT 2017, Bucharest, P67
52. Maria-Daniela Pop, Amalia Stefaniu, Gabriela Stanciu, Liviu Birzan, Lucia Pintilie, Eleonora-Mihaela Ungureanu, *Quantum mechanical calculations on azulene ligands for complexing chemically modified electrodes*, European Symposium on Applied Thermodynamics, ESAT 2017, Bucharest P50
53. Diana Adela Berinde, Eleonora Mihaela Ungureanu, Oana Ciocîrlan, Magda R. Bujduveanu, *Thermodynamic Aspects of Cobaltocene Mass Transfer in CH₃CN*, European Symposium on Applied Thermodynamics, ESAT 2017, Bucharest, P34
54. Eleonora-Mihaela UNGUREANU, George-Octavian BUICA, Liviu BIRZAN, Irinela CHILIBON, Amalia STEFANIU, *Polyazulene Based Materials For Heavy Metal Ions Detection*, XII ECHEMS meeting "Electrochemistry in Ingenious Molecules, Surfaces and Devices" , Milano Marittima, Italy, June 6th-9th, 2017, NANO/SENS O'5
55. Elena Diacu, Eleonora Mihaela Ungureanu, Georgiana Luiza Arnold, Ioana Georgiana Lazar, George-Octavian Buica, Alexandru Anton Ivanov, *Heavy Metals Ions Electroanalysis from Waters using Chemically Modified Electrodes based on 2,6-bis((E)-2-(thiophen-2-yl)vinyl)-4-(4,6,8-trimethylazulen-1-yl)pyridine*, 6TH INTERNATIONAL SYMPOSIUM ON

ELECTROCHEMISTRY SOUTH-EAST EUROPE 6th International symposium on electrochemistry South-East Europe, June, 2017, Balaton.

56. Eleonora-Mihaela Ungureanu, *New Polyazulene Based Materials For Heavy Metal Ions Detection*, , 6TH INTERNATIONAL SYMPOSIUM ON ELECTROCHEMISTRY SOUTH-EAST EUROPE 6th International symposium on electrochemistry South-East Europe, June, 2017, Balaton.

57. Valentin Stanescu, Cecilia Iordache, Ionut Stanescu, Magdalena-Rodica Bujduveanu, Eleonora-Mihaela Ungureanu, L. Birzan, *Studies Related To The Preparation Of Modified Electrodes With Derivatives Azulenic In Order To Optimize The Detection Of Heavy Metal*, 6th International symposium on electrochemistry South-East Europe, June, 2017, Balaton.

58. Eleonora- Mihaela Ungureanu, Gabriela-Geanina Vasile, Georgiana Luiza Arnold, Liviu Birzan, George-Octavian Buica, *Electrochemical Determination Of Lead In Water Samples Using Modified Electrode Based On Polyazulene Derivates*, Section: 20. Ecology and Environmental Protect, Article ID: 139442017050199991, ID: 13944, SGEM Earth and Geo Sciences, Albena, Bulgaria, 27 iunie - 7 iulie 2017.

59. A. Oprisanu, E.-M. Ungureanu, R. Isopescu, L. Birzan, M. Mihai, C. Vasiliu, *Polyazulene Based Materials For Heavy Metal Ions Detection* PCM 2017 Global Conference on Polimer and Composite Materials, 23-25 mai 2017 Guangzhou, China, Oral Presentation

- Participation of ISE members at national scientific events

1. Anca Florea, C. Cristea, N. Jaffrezic-Renault, R. Sandulescu, Molecularly imprinted polymer electrochemical sensors for the detection of drugs and pollutants, Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, 29 iunie-1iulie 2016, Braşov, România (poster);

2. Bogdan Feier, C. Cristea, R. Săndulescu, Electrochemical Methods for the Detection of β -Lactam Antibiotics, Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, 29 iunie-1iulie 2016, Braşov, România (poster);

3. R. Săndulescu, C. Cristea, E. Bodoki, R. Oprean, Progrese recente în analiza compuşilor bioactivi prin recunoaştere moleculară, The 16th Romanian National Congress of Pharmacy, 28.09-01.10.2016, Bucureşti, Romania (conferinţă)

4. Luminiţa Fritea, M. Tertiş, C. Cristea, S. Cosnier, R. Săndulescu, Graphene/ β -cyclodextrin based biosensors for dopamine determination, The 16th Romanian National Congress of Pharmacy, 28.09-01.10.2016, Bucureşti, Romania (comunicare orală);

5. Mihaela Tertiş, A. Florea, A. Adumitrachioaie, B. Ciui, O. Hosu, D. Bogdan, Cecilia Cristea, R. Săndulescu, New approach for the electrochemical detection of dopamine, International Conference on Advancements of Medicine and Health Care through Technology MEDITECH 2016, 12-15 October 2016, Cluj-Napoca, Romania (comunicare orală);

6. Bogdan Feier, Ioana Băjan, Cecilia Cristea, R. Săndulescu, Aptamer based electrochemical sensor for the detection of ampicillin, International Conference on Advancements of Medicine and Health Care through Technology MEDITECH 2016, 12-15 October 2016, Cluj-Napoca, Romania (comunicare orală);

7. R. Săndulescu, Cecilia Cristea, Electrochemical Sensing based on Molecular Biorecognition, Workshop “Innovative nanomaterials and devices with biomedical applications”, 22 November 2016, Cluj-Napoca, Romania (comunicare orală);

8. Anca Florea, Mihaela Tertiş, Cecilia Cristea, R. Săndulescu, Synthetic receptors for electrochemical sensing of dopamine, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

9. Mihaela Tertiş, Andreea Cernat, Daniela Lacatîş, Anca Florea, R. Săndulescu, Cecilia Cristea, Gold@polypyrrole nanoparticles-based platform for electrochemical detection of

serotonin, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

10. Bianca Ciui, Mihaela Tertiş, Anca Florea, Oana Hosu, Diana Peia, R. Săndulescu, Cecilia Cristea, Electrochemical sensor for dopamine based on electropolymerized molecularly imprinted poly aminothiophenol and gold nanoparticles, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

11. Luminița Fritea, Karine Gorgy, A. Le Goff, L. Galmiche, R. Villalonga, P. Audebert, R. Săndulescu, S. Cosnier, Tetrazines in aqueous solution. Electrochemical and fluorescent studies, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

12. Luminița Fritea, Mihaela Tertiş, A. Le Goff, S. Cosnier, Cecilia Cristea, R. Săndulescu, Graphene based biosensors for dopamine determination, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

13. Cecilia Cristea, Mihaela Tertiş, Luminița Fritea, Anca Florea, R. Săndulescu, Design of immobilization platforms for sensors used in pharmaceutical analysis, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

14. Oana Hosu, Mădălina M. Bârsan, Cecilia Cristea, R. Săndulescu, C.M.A. Brett, New poly(methylene blue) films from deep eutectic solvents. Characterization and application for pharmaceutical sample analysis, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

15. Andreea Cernat, Mihaela Tertiş, Nicoleta Păpară, R. Săndulescu, Cecilia Cristea, Composite nanoplatforms for dopamine detection, Clujul Medical, vol. 89/2016, Supplement 4, Abstracts of the Annual Meeting of the Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca 21-25 noiembrie 2016, S91 p-ISSN 1222-2119, e-ISSN 2066-8872;

16. Mihaela Tertiş, Andreea Cernat, Daniela Lacațiș, Anca Florea, R. Săndulescu, Cecilia Cristea, Platformă tridimensională pe bază de nanoparticule de pirol și de aur pentru detecția electrochimică a serotoninei, Sesiunea de comunicări a SSFR, Cluj-Napoca, 30 martie 2017;

17. R. Săndulescu, Cecilia Cristea, Anca Florea, Mihaela Tertiş, Oana Hosu, Bianca Ciui, Receptori naturali și biomimetici în elaborarea biosenzorilor, Simpozion academician Nicolae Cajal, 31 martie 2017, Biblioteca Academiei Române București (conferință);

18. R. Săndulescu, Cecilia Cristea, Anca Florea, Mihaela Tertiş, Oana Hosu, Bianca Ciui, Progrese recente în analiza compușilor bioactivi bazată pe recunoașterea moleculară, Congresul Universității de Medicină și Farmacie “Carol Davila”, 29-30 Mai 2017, București (Invited speaker);

- Participation of ISE members at other meetings involving electrochemical topics:
EastForum 2015, 25 - 26 June 2015, Lund Sweden, organized by European Academy of Surface Technology (“Electrodeposition of Co and CoMo Alloys Coatings using Choline Chloride Based Ionic Liquids – Evaluation of Corrosion Behaviour”, L. Anicai, S. Costovici, A. Cojocaru, T. Visan); Romanian International Conference of Chemistry and Chemical Engineering, RICCE 19, September 2015, Sibiu, Romania (“Corrosion performance of

electrochemically obtained Ni-Mo and Co-Mo alloys coatings involving ionic liquids analogues”, L. Anicai, S.Costovici, T. Visan)

- Writing specific chapters of electrochemistry books:

1. R. Săndulescu, Cecilia Cristea, E. Bodoki, R. Oprean, *Recent Advances in the Analysis of Bioactive Compounds based on Molecular Recognition* în FRONTIERS IN BIOACTIVE COMPOUNDS, editor C. Apetrei, Bentham Science Publishers Ltd, Sharjah, UAE, 2016, pp. 69-126; ISBN 978-1-68108-342-1; (<http://ebooks.benthamscience.com/>);
2. Andreea Cernat, Mihaela Tertîş, Luminița Fritea, Cecilia Cristea, *Graphene in Sensors Design* în ADVANCED MATERIALS BOOK SERIES, Scrivener Publishing and co-published with John Wiley & Sons, USA, 2016, 387-431, DOI: 10.1002/9781119242635.ch10;
3. Cecilia Cristea, F. Graur, Ramona Gălătuş, C. Vaida, Doina Pîsla, R. Săndulescu, *Nanobiomaterials for Cancer Diagnosis and Therapy* în NANOBIO MATERIALS Applications in Drug Delivery, ed. Anil K. Sharma, Raj K. Keservani, Rajesh K. Kesharwani, Apple Academic Press, Waretown, New Jersey, 2017, *in press*;

- Reviewers for ISE and other electrochemistry related publications

- **R&D activities** as components of nationally funded research projects on electrochemistry subjects; the funds are provided either by the Romanian Ministry of Education and Research (under the frame of the National Program PN II 2014-2010, other components of Structural Funds Programs) involving Calls for Proposals at national level, or by private entities.

- **International research projects on electrochemistry**, such as: M - ERA Net, H2020, NATO. During 2016, scientific visits in the frame of a M Era Net project took place between electrochemical groups of UPB-CSSNT and University of Porto (Prof. A.F. Silva); IST Lisbon (Prof. Fatima Montemor) Most of the team members are ISE members.

The Romanian electrochemists are also involved in **international research networks** in cooperations with: France, Argentina, Portugal, Germany, etc.

There is an intense students **exchange in doctoral and post doctoral programs** (as well as ordinary students in Erasmus Socrates programs) with France (Université Claude Bernard Lyon 1, Université Joseph Fourier Grenoble, etc.), Portugal, Spain (University of Cadiz), etc. Parts of the scientists involved in electrochemistry from Romania are members of Romanian Society of Chemistry, Electrochemistry division, created in 2016. The Romanian electrochemists are also gathered with the occasion of general meetings in chemistry, usually organized by Romanian universities or by the Romanian Society of Chemistry.

There are some **small meetings on electrochemistry** organized in Romania

1. Workshop on “**Innovative Nanomaterials and Devices with Biomedical Applications**”, 22 November 2016, Cluj-Napoca, Romania organized by Analytical Chemistry Department, UMF Iuliu Hatieganu University, with participation of **Wolfgang Schuhmann** (Ruhr Universität Bochum, Germany), Micro- and nanobioelectrochemistry. From DNA arrays to nanosensors; **Radu Silaghi-Dumitrescu** («Babeş-Bolyai» University Cluj-Napoca), Blood Substitutes based on Hemoglobin or Hemerythrin: Data from Top-Up Animal and Hemorrhagic Models; **Doina Pîsla**, Gabriel Kacsó, Călin Vaida, Bogdan Gherman, Nicolae Plitea, (Technical University Cluj-Napoca), PARA-BRACHYROB, an Innovative Parallel Robotic System used in Brachytherapy; **Corina Andronescu**, Jan Clausmeyer, Anna

- Muhs, Miriam Marquitan, Wolfgang Schuhmann (Ruhr Universität Bochum, Germany), Carbon nanoelectrodes as a basis for sensors and field-effect transistors; **Florin Graur** (IIIrd Surgery Hospital, “Iuliu Hațieganu” University of Medicine and Pharmacy Cluj-Napoca), New Trends for the in situ Treatment of Liver Tumors; Aranka Ilea, **Bianca Boșca** (Dental Medicine, “Iuliu Hațieganu” University of Medicine and Pharmacy Cluj-Napoca), Recent trends of research in applied dentistry; **R. Săndulescu**, C. Cristea (Analytical Chemistry, “Iuliu Hațieganu” University of Medicine and Pharmacy Cluj-Napoca), Electrochemical Sensing based on Molecular Biorecognition.
2. International Workshop on “**Bioelectrochemistry in the Service of Life**”, 2 May 2017, Cluj-Napoca, Romania organized by Analytical Chemistry Department, UMF Iuliu Hațieganu University, with participation of **Nicole Jaffrezic-Renault** (Université Claude Bernard Lyon, France), Electrochemical microbiosensors for medical monitoring; **Philippe Hapiot** (Université de Rennes 1, France), Electrochemical analyses and detection of reactive oxygen species; **Florence Geneste** (Université de Rennes 1, France), How to circumvent the problem of passivation in electrochemical analysis.
 3. International Workshop on “**Integrated nanodevices for environmental analysis**”, 26 May 2017, Cluj-Napoca, Romania, organized by Technical University Cluj-Napoca and "Iuliu Hațieganu" University of Medicine and Pharmacy Cluj-Napoca with participation of **Ramona Gălățuș** (UTCN), Nano-Enabled Optical Fiber Biosensor Device with Smart Phone interface for Fast and Selective Detection of Antibiotics in Water" (nSensOFWater); **S.C. Moșneag**, D. Vele, C. Neamțu, Analysis methods used in the quality control of drinking water; **Florin Graur**, Mihaela Dragotă, Nadim al Hajjar (UMF Cluj-Napoca), Antibiotic resistance: present and future; **Jolanta Kochana**, A. Pollap, P. Gașior, N. Górecka, P. Kuśtrowki (Jagiellonian University in Kraków, Poland), Mesoporous carbon-containing electrochemical sensor for determination of antibiotics in environmental water samples; **Jean-Louis Auguste**, G. Humbert, D. Pomarède, M. Kudinova (Université de Limoges, France), Technological developments around optical fibres for sensor domain; **Marian Masar**, P. Troška, J. Hradski (Comenius University Bratislava, Slovakia), Various Detection Techniques Coupled with Microchip Electrophoresis in Environmental and Biomedical Analysis; **Stela Pruneanu**, Florina Pogăcean, A.R. Biriș, Maria Coroș, Crina Socaci, Lidia Măgerușan, Marcela-Corina Roșu (ITIM Cluj-Napoca), Electrochemical detection of various organic molecules using grapheme modified electrodes; **Lidia Măgerușan**, Crina Socaci, Maria Coroș, Florina Pogăcean, Marcela-Corina Roșu, Stela Pruneanu (ITIM Cluj-Napoca), Electrochemical platform for selective lead ion detection; **Cecilia Cristea**, **Ede Bodoki** (UMF Cluj-Napoca), Closing remarks and perspectives.
 4. The francophone workshop NOUVEAUX MATÉRIAUX POUR LA RECONNAISSANCE ELECTROCHIMIQUE DES MINÉRAUX ET DES ESPÈCES BIOLOGIQUES acronyme « NOMARES » (New materials for electrochemical recognition of mineral and biological species), with the support of Association Universitaire de la Francophonie, which became traditional. In 2016 the 4th edition of this symposium was held in IASI, Romania, with the occasion of the traditional 3rd International Conference on Analytical Chemistry (RO-ICAC) in August 28 – 31, 2016 (<http://roicac.acadiasi.ro/workshop-nomares/>).

Others

Active members from the Romanian Society of Electrochemistry have contributed to the dissemination of various aspects of electrochemistry and electrochemical methods within the community of chemists and chemical engineers by publishing featured articles in the Bulletin of the Romanian Society of Chemistry including topics on electrochemical sensors and biosensors, new electrode materials and their electroanalytical applications.

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REPORT 2016-2017 of the ISE section in Russia

Membership

Within the period of 2011-2016 the Russian section of ISE consisted of 50 to 60 members. The actual number is 51.

Activities

Main research activities of the section in the period from August 2016 till August 2017 were in the area of pure and applied electrochemistry.

M. A. Vorotyntsev is actually a vice-chair of Division 4 of ISE, a member of the Committee in charge of awarding the ISE Prize for Electrochemical Materials Science as well as the Deputy Editor-in-Chief of the Russ. J. Electrochem. and Elektrokimiya.

A. A. Karyakin is an Associate Editor for Bioelectrochemistry of Electrochem. Commun.

G. A. Tsirlina is a member of the Editorial Board of J. Electroanal. Chem. and a Topical Editor of J. Solid State Electrochem.

O. A. Petrii is a member of the Editorial Board of J. Solid State Electrochem.

M. A. Vorotyntsev has been the Guest Editor of the special issue "EEM-2016" in Electrochimica Acta.

A. D. Davydov, B. M. Grafov and M. A. Vorotyntsev are the Guest Editors of the special issue devoted to the 100th anniversary of the birth of Veniamin Levich (to be published in monthly issues 9 and 10 of Russ. J. Electrochem. and Elektrokimiya in 2017).

A number of Russian ISE members are actually members of the Editorial Board of the Russ. J. Electrochem. as well as serve as reviewers for Electrochimica Acta, Sensors and Actuators B Chemical, Electroanalysis, J. Electroanalytical Chemistry, J. Solid State Electrochemistry and other international electrochemical journals.

A great number of participants from the Russian section have taken part in the 67th Annual ISE Meeting-2016 in Den Haag, The Netherlands with oral and poster presentations. M. A. Vorotyntsev is serving as an Organizer of Symposium 10 "Electroactive, Functionalized and Nanostructured Materials and Composites: Modern Trends in Synthesis and Applications" within this ISE Meeting. Numerous members of the Russian section of ISE were planning to participate in the 68th Annual ISE Meeting-2017 in Providence, USA. However, it is has just become known that the US Consulates in Russia has refused to provide visas to most of them so that their presentations at the meeting will automatically be cancelled.

The main event for Russian electrochemists in this term was 4. XIV International conference "Topical Problems of Energy Conversion in Lithium Electrochemical Systems" (Suzdal, Russia, September 2016) and its satellite event Young scientists' school on electrochemical energy storage.

ISE members of the Institute for Problems of Chemical Physics RAS (IPCP RAS, Chernogolovka, Moscow region), of the M. V. Lomonosov Moscow State University, of the A. N. Frumkin Institute of Physical Chemistry and Electrochemistry (IPCE RAS, Moscow) and of the Institute of General and Inorganic Chemistry (IGIC RAS, Moscow) have been participating actively in preparation and realization of several national and international conferences:

1. International Conference "Ion transport in organic and inorganic membranes". Sochi, Russia, May 2017;

2. XIV International conference "Topical Problems of Energy Conversion in Lithium Electrochemical Systems", Suzdal, Russia, September 2016;

3. The First international conference on intellect-intensive technologies in power engineering (physical chemistry and electrochemistry of molten and solid electrolytes), Ekaterinburg, Russia, September 2017 (in preparation);
4. 4th National conference "Fuel Cells and Energy Devices on their Basis", Suzdal, Russia, June 2017.
5. Young scientists' school on electrochemical energy storage, Suzdal, Russia, September 2016.

Members of the section also participated in other international and national electrochemical conferences within the period from September 2016 to August 2017, in particular

- Matrafüred 2017 International Conference on Electrochemical Sensors, June 11-16, Visegrad, Hungary
- Advances in Functional Materials (AFM), Jeju, South Korea, August 2016.
- XX Mendeleev Congress on General and Applied Chemistry, Yekaterinburg, Russia, September 2016,
- 6th Regional Symposium on Electrochemistry of South-East Europe, Balatonkenese, Hungary, June 2017,
- IV International Scientific-Practical Conference "The Theory and Practice of Modern Electrochemical Industry", St.-Petersburgh, Russia, November 2016
- 11th National Conference "Physicochemical problems of renewable power", St. Petersburg, Russia, November 2016;
- The Energy and Materials Research Conference – EMR2017, Lisbon (Portugal), 5-7 April 2017;
- International conference :EUROMED 2017 (Desalination for Clean Water and Energy Cooperation around the World). Tel Aviv. 9-12 May 2017;
- Sofia Electrochemical Days'2017, Sofia, Bulgaria, May 10-13, 2017;
- European Corrosion Congress (Eurocorr – 2017), Prague, Czech Republic, September 2017 (in preparation);
- International Conference on Metamaterials and Nanophotonics (METANANO – 2017), Vladivostok, Russia, September 2017 (in preparation).

Young electrochemists took active part in the specialized Youth Forum "Lomonosov-2017" (only for university and PhD students), which took place in Moscow, April 2017.

Each year the electrochemistry chair of the Moscow State University organizes in October the A. N. Frumkin Hearings (chaired in 2016 by E. V. Antipov) with several invited lectures devoted to various areas of electrochemistry and related disciplines, including invitations of top Russian and foreign electrochemists.

Since 2013 a new forum for discussions of modern trends and problems in electrochemistry among Russian electrochemists has been developing: "Moscow Region Seminar on Electrochemistry", Academician A. R. Khokhlov being its Coordinator, M. A. Vorotyntsev serving as its Academic Secretary. The choice of lecturers at the seminar is managed by its counsel. 30 presentations of top Russian and foreign electrochemists have already taken place at this seminar, see the site: <http://seminar-elchem.msu.ru/> for the further information.

Mikhail A. Vorotyntsev
ISE Regional Representative - Russia



ISE Regional Representative of Serbia - 2016/2017 Report

Currently there are 30 ISE members from Serbia. This is an increase of about 20 % compared to the previous year. It is encouraging that there is an increasing number of young people who have joined the ISE. It can be assumed that this is the first good consequence that Serbia hosting the ISE Annual Meeting in 2020.

ACTIVITIES

1. Over the past year, several meetings of ISE members from Serbia were held in order to select the members of the Organizing Committee of the 71st ISE Annual Meeting in Belgrade in 2020. Based on these meetings, discussions and consultations with the ISE Scientific Meetings Committee, the following members of the Organizing Committee from Serbia were appointed:

Aleksandar Dekanski, regional representative of Serbia (<http://ihtm.bg.ac.rs/index.php/en/cv-department-of-electrochemistry/921-aleksandar-dekanski,-ph-d>)

IHTM, Department of Electrochemistry, University of Belgrade, Serbia, dekanski@ihtm.bg.ac.rs

Jelena Bajat (<http://www.tmf.bg.ac.rs/sr-lat/fis/zaposlen/259>)

Faculty of Technology and Metallurgy, Department of Physical Chemistry and Electrochemistry, University of Belgrade, jela@tmf.bg.ac.rs

Nevenka Elezović (http://www.imsi.bg.ac.rs/cv_template/?cv_title=z_nelezovic&id_zap=094)

Institute for Multidisciplinary Research, University of Belgrade, Serbia, elezovic@imsi.bg.ac.rs

Valéria Guzsány (http://www.dh.uns.ac.rs/newversion/nauka/Imenik_Guzvanj.php)

Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection, University of Novi Sad, valeria.guzsvany@dh.uns.ac.rs

and

Aleksandar Bojić (http://wpresspmf.pmf.ni.ac.rs/?page_id=2231&lang=en&idz=86 and

http://www.pmf.ni.ac.rs/pmf/licne_prezentacije/86/publikacije.php)

Department of Chemistry, Faculty of Sciences and Mathematics, University of Niš, bojica@pmf.ni.ac.rs

2. **Fourth Conference of Young Chemists of Serbia**, November 5, 2016
More than 120 papers of doctoral and post-doctoral students, including several from electrochemistry, were presented.
3. **6th Regional Symposium on Electrochemistry of South-East Europe - RSE SEE 6**, June 11–15, 2017, Balatonkenese, Hungary (<http://rse-see2017.hu/>).
Electrochemical Division of the Serbian Chemical Society was one of the co-organizers, the ISE supported the conference. Among about 80 participants, seven from Serbia have presented their works - one Key Note lecture, two oral presentations and several posters.
4. **Meetings of the Electrochemical Division of the Serbian Chemical Society**
September 2016
Lecture: **Dr Mihaila Bučko**, Military Academy, Belgrade, Serbia:
Specifičnosti nevodenih eutektičkih smeša kao elektrolita za taloženje metala
(*Specificity of non-aqueous eutectic mixtures as electrolytes for metal deposition*)
December 2016
Lecture: **Denis Sačer**, Faculty of Chemical Engineering and Technology, University of Zagreb
Supercondensers based on graphene / pseudocapacitive materials

February 2017

Lecture: **Prof. Tsvetina Dobrovolska**, Institute of Physical Chemistry, Bulgarian Academy of Sciences
Self-organization phenomena during electrodeposition of indium alloys

- 5. XIX·YuCorr** - Will be held on September 12-15, 2017, Hotel OMORIKA, Tara Mountain, Serbia, organized by the Serbian Society of Corrosion and Materials Protection – UISKoZaM - <http://sitzam.org.rs/YUCORR/>, It is expected about 70 participants from dozen countries, mostly from the region. The conference is supported by the ISE, the national representative of the ISE will welcome the participants, and present the ISE and its activities
- 6. 54rd Meeting of the Serbian Chemical Society**, will be held on September 29-30, 2017, Belgrade, Serbia, organized by the Serbian Chemical Society - <http://www.shd.org.rs/54SHD>. The meeting celebrates 120 years since the founding of the Serbian Chemical Society. A dozen presentations in the electrochemical section are expected.



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25 July 2016

REGIONAL REPORT SOUTH AFRICA

at

The 68th Annual Meeting of the International Society of Electrochemistry

Electrochemistry without Borders, 27 August to 1 September, 2017, Providence, RI, USA

Preparation for ISE 2019:

Prof Kenneth Ozoemena has prepared the first announcement for the 70th ISE meeting to be held in Durban, South Africa, 4-9 August 2019. He has been elected to chair the organising committee by ISE executive and will continue to update the ISE community with regard to development and planning for this very prestigious event on the ISE Africa calendar.

Regional representative activities:

Prof Baker was symposium organiser for symposium 1 themed “New Horizons in Analytical Electrochemistry” co-ordinated by Prof Thomas Doneux (67th Annual meeting, The Hague, Netherland). South Africa in particular, was represented by 23 delegates participating in the final scientific programme as well as Prof Modupe Ogunlesi (Nigeria) who has been a faithful supported of ISE over many years. We have engaged in collaboration to host Prof Ogunlesi’s PhD student at SensorLab (UWC, South Africa) on research exchange visit.

Priscilla Baker was the co-ordinator for symposium 1 “New Experimental Trends in Analytical Electrochemistry” of 68th ISE meeting (68th Annual meeting, Providence, USA) assisted by Carol Korzeniewski (Texas Tech University, USA), José M. Pingarron, (Complutense University of Madrid, Spain) and Philippe Buhlmann (University of Minnesota, USA). Representatives from South Africa who will attend the Providence meeting include the following collaborators Prof Arotiba and three of his researchers (University of Johannesburg), Dr Jessica Chamier (University of Cape Town), Dr Masikini and Makelane (SensorLab, UWC) as well as Dr Phillipe Banet (France) who will be presenting the collaborative research of our shared PhD student.

Activities to promote ISE 2019 in South Africa/ Africa:

Prof Baker was invited as plenary speaker to the Kenya Chemistry Society, 9th Annual meeting as plenary lecture and initiated collaboration between Kenyatta university and SensorLab (UWC, South Africa) to host and supervise a jointly registered PhD candidate with the conference chair Prof Dickson Andala. The ISE 2019 announcement was also formally shared with Dr Joseph Joseph Imanah, at the KCS meeting, who subsequently made a presentation to the Council of the Chemical Society of Nigeria, on 20th May 2017.

The South African Chemical Society electrochemistry chapter, of which Prof Baker is the chair, will host its 4th International symposium on Electrochemistry, 16-18 November 2017 at the University of Johannesburg (South Africa). The meeting will be co-ordinated by Prof Omotayo Arotiba , who will be the chair of the organising committee. Please join us for ElectrochemSA 2017:

http://www.saci.co.za/ElectrochemSA/symposium_home.html

Membership:

The membership total has grown to a steady 70 members and our members have strongly supported the activities of ISE through participation in ISE topical and annual meeting for 2016/2017.

Member participation at ISE events:

(i) 18th ISE Topical Meeting – Gwangju, South Korea, March 8-11, 2016
Ms Colleen Jackson (University of Cape Town)

(ii) 19th ISE Topical Meeting- Auckland, New Zealand, 17-20 April 2016:
Dr Farshad Barzegar (University of Pretoria)
Prof Emmanuel Iwuoha (University of Western Cape, Cape Town)

ISE sponsored events:

The ISE sponsored ESEAC conference (12 - 16 June 2016, The Assembly Rooms, Bath, UK) was supported by three active ISE members who participated in the scientific programme i.e. *Dr Fanelwa Ajayi, Dr Chinwe Ikpo and Prof E Iwuoha.*

ISE sponsored events in AFRICA

We would like to recognise and appreciate the support of ISE in hosting the following meetings in Africa:

- (i) 2nd African conference/workshop (an international conference on all aspects of nanotechnology), 4-7 July 2016, Nsukka, Nigeria. - **Division 1 and 4**

2016 Annual meeting**67th Annual meeting of ISE, The Hague, Netherlands, 21-26 August 2016**

Regional members of Africa and South Africa had a strong presence at 67th Annual meeting of ISE, The Hague, Netherlands, 21-26 August 2016. A report on this event was shared with ElectrchemSA (SACI): <http://www.saci.co.za/ElectrochemSA/pdf/Report%20on%20ISE%202016.pdf>

Sincerely,

Yours sincerely,


Prof. Priscilla G L Baker

PROF PRISCILLA BAKER
REGIONAL REPRESENTATIVE FOR SOUTH AFRICA

Members

According to the Member Directory of ISE, the number of members from Spain is currently 117 coming from Universities, Research Institutes of CSIC, Technological centers and Spin-offs. The number has been stable during the last years.

Activities

-The ISE-sponsored *XXXVIII Annual Meeting of the Electrochemistry Group of the Spanish Royal Society of Chemistry (RSEQ)* attended by more than 200 people, was hold in Vitoria (Spain) between July 4th and 7th 2017. It was organized by Dr. Teófilo Rojo (chair) from CIC Enegigune Center. Plenary lectures were delivered by Dr. Anthony K. Burrell (National Renewable Energy Laboratory, US), Prof. Enric Brillas, (Universidad de Barcelona , Spain), Prof. José Manuel Pingarrón, (Universidad Complutense de Madrid, Spain), and Prof. Toribio Fernández Otero, (Univerisdad Politécnica de Cartagena, Spain).

-During the Meeting, 10 PhD students defended their Thesis Plan and 17 Master students presented their Master Research work in Electrochemistry. The registration fees of all these students were sponsored by the ISE-Spanish Group.

- The interuniversity master degree on electrochemistry - "*Electrochemistry: Science and Technology*" had his fifth edition. 19 students registered for this edition of the master degree. The compulsory part of the degree took place in Alicante during January and February 2017. It is coordinated by Prof. Vicente Montiel (University of Alicante) and it is offered in 9 different Spanish universities

- 10 new students entered during the 2016/2017 academic year in the interuniversity PhD program on electrochemistry - "*Electrochemistry: Science and Technology*". The program is offered in 11 Spanish Universities and has the certification of excellence from the Spanish Ministry of Education.



July 16th, 2017

Enrique Herrero

Spain ISE Regional Representative

Universidad de Alicante.



ISE Annual report 2017 (Sweden) for the RR meeting in Providence 2017.

Membership:

The number of members 2017 has slightly increased to 50 members from 44 (2016). Largest group of members are found at Uppsala University followed by KTH Royal University of Technology, Stockholm University, Chalmers University of Technology, and Göteborg University but members are also found at Lund, Malmö, Linköping and Umeå Universities. In addition, several electrochemists from Swedish industry are participating. Participation in Division 3 Energy storage and conversion dominates but there are Swedish members in all other divisions as well.

Activities:

At the ISE annual meeting in Hague 2016, Anders Nilsson (University of Stockholm, Sweden) held a plenary lecture with the title *Operando X-ray Studies of Electrocatalysis*. In addition, 13 oral presentations and 17 posters had a Swedish affiliation.

At the ISE annual meeting in Providence 2017, Swedish members will contribute with 5 oral presentations and 1 poster.

ISE sponsored meetings in Sweden:

The International Symposium on Polymer Electrolytes (ISPE) XV was held in Uppsala 15-19 August 2016, jointly organized by Uppsala University and Chalmers University of Technology. The symposium attracted 175 participants of world-wide origin, who gave a total of 55 oral and 98 poster presentations. Around 40 contributions were selected for a Virtual Special Issue of *Electrochimica Acta*. The next ISPE will be organized in Japan in 2018.

The Organic Battery Days were held for the first time ever in Uppsala 8-9 June 2017, co-organized by Uppsala University, University of Nantes (France) and University of Picardy Jules Verne (France). The meeting attracted 83 researchers from Europe, Asia and North America, who gave 21 oral and 31 poster presentations. It was decided that this meeting will continue: an international board was founded, and the next meeting will be organized 2018 in China.

Rakel Wreland Lindström, PhD
Regional representative ISE Sweden

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^b
**UNIVERSITÄT
BERN**

ISE Report 2016-2017

Switzerland

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Biochemistry

PD Dr. Peter Broekmann
Lecturer/group leader

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Membership: 55 active members.

There was no ISE-sponsored meeting in 2017.

In August 2018 there will be an ISE-sponsored **International Summer School** in Villars-sur-Ollon on **Electrosynthesis** (Organizer: P. Broekmann/M. Arenz/Th. J. Schmidt).



Regional Representative Meeting
ISE Annual Meeting 2017, Providence, RI, USA

Annual ISE Regional Report of Taiwan

August 1, 2017

Regional Representation of Taiwan has been established in the end of 2014. ISE active members from Taiwan increase dramatically from less than 10 people in 2013 to more than 200 members by the date of reporting. In 2017, several local activities have been engaged or planned. They are summarized below.

A two-day electrochemical workshop is taking place from 9/7-9/8, 2017 at National Cheng Kung University in Taiwan. 13 different lectures are planned to cover fundamentals, and major applications, such as energy conversion & storage, analytics, sensors, etc. The audience is targeting at young post graduate students and industrial professionals, especially R&D teams from companies located in neighboring science parks. Interestingly, RDE/CV and EIS impedance will also be instructed with onsite demonstration to enhance the understanding and to share practical experimental skills. In addition, a special technical session about lithium ion batteries is envisaged to exchange issues and ideas in the fields of new material development, production, and applications as well as possible academic-industrial cooperation.

The 3rd International Conference of Green Energy Technologies (ICGET) is taking place from 11/5-11/7. Currently there are 12 plenary and invited speeches, given by international (US, China, Germany, Japan, Singapore, etc.) and local scholars from various institutions. More than 40 oral speeches have been accepted and more than 100 poster presentations are expected. A student poster competition is also planned.

The Cross-Strait Electrochemical Conference is taking place from 11/18-11/22 in Tainan. Dozens of electrochemical scholars and professionals are invited. The most recent progress from experts in Taiwan and China will be presented and discussed to facilitate more cooperation.

These summarize electrochemistry related events in Taiwan in 2017.

Sincerely,

Prof. Bing Joe Hwang

ISE Taiwan Representative

Sustainable Energy Development Center

National Taiwan University of Science and Technology

The Electrochemical Society of Taiwan (ECSTw)

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July 18, 2017

2016 ISE Report for Turkey

Membership

As of July 2017, active membership for Turkey jumped from 23 to 32. More involvement on battery research has factored in on this increase.

Activities

Members have actively participated in The Electrochemical Society, ISE and other electrochemistry related meetings.

29th National Chemistry Congress (10–14 September 2017) will have substantial amount of electrochemistry presentations.

In addition many small congress and local symposia are organized by ISE members on electrochemistry subjects.

National e-mail communication list was expanded to reach more people involved in electrochemistry research.

Sincerely,

Suha Yazıcı

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Report of the ISE Regional Representative of Ukraine in 2017

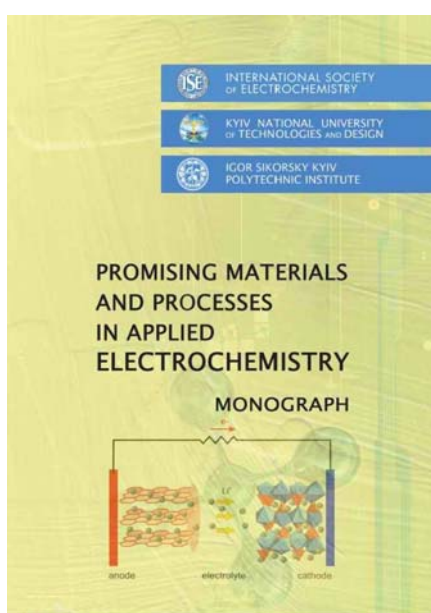
Scientific activity:

Under the auspices and sponsorship of the ISE the “ISE Satellite Student Regional Symposium on Electrochemistry – 2nd ISE Regional Student Meeting in Ukraine” was held in May, 2017 in Kyiv.

2nd ISE Satellite Student Regional Symposium on Electrochemistry in Ukraine «Promising Materials and Processes in Applied Electrochemistry» was held on 18th May at Kyiv National University of Technologies and Design (KNUTD) as part of celebration of «The Day of Science» and «The Day of Europe» in Ukraine.

The event was attended by over 50 scientists from 5 countries (Ukraine, Belarus, Lithuania, Greece and The Netherlands).

37 young scientists contributed presentations (Ukraine - 37, Belarus - 1, Lithuania - 2, Greece - 1 and The Netherlands - 1) and published the corresponding papers in the Collective Monograph, which important pages was scanned and shown below.



UDC 621.35=111
BBC 24.57
P 93

Monograph has been recommended by the Scientific Council of Kyiv National University of Technologies and Design (KNUTD) for the wide range of lecturers, scientists, PhD students, holders of a master's degree and students of Universities, engineers and technicians of various electrochemical enterprises.
(Protocol No 9 of 19.04.2017)

Editor's Board:

V. Z. Barsukov – Prof. Dr., head of department for KNUTD, ISE member;
Yu. V. Borysenko – PhD, senior lecturer for KNUTD;
O. V. Linyucheva – Prof. Dr., head of department for Igor Sikorsky Kyiv Polytechnic Institute, ISE member;
I. V. Senyk – PhD, researcher for KNUTD, ISE member;
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Reviewers:

Ye. V. Kuzminskiy – Prof. Dr., head of department for Igor Sikorsky Kyiv Polytechnic Institute;
O. A. Pud – Prof. Dr., head of department for Institute of Bioorganic Chemistry and Petrochemistry of the National Academy of Sciences of Ukraine, ISE member.

P93 Promising Materials and Processes in Applied Electrochemistry: Monograph / V. Z. Barsukov, Yu. V. Borysenko, O. V. Linyucheva, I. V. Senyk, V. G. Khomenko, editor-in-chief V. Z. Barsukov. Kyiv: KNUTD, 2017. – 270 pages.
ISBN 978-966-7972-79-0

The promising processes and materials have been considered in such key directions of applied electrochemistry as electrochemical power sources, electroplating, corrosion protection, electrochemical sensors, modern electrochemical and related technologies during the last years. A state of art in these key directions of electrochemistry determines a progress in general development of science and engineering of XXI century and promotes to creation of essentially new types of production and technologies. Monograph has been recommended for scientists, lecturers, PhD students, engineers and technicians.

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PROMISING MATERIALS AND PROCESSES IN APPLIED ELECTROCHEMISTRY

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INTRODUCTION

In May 2016, on the eve of Science Day in Ukraine, a remarkable tradition was established in the framework of cooperation with International Society of Electrochemistry (ISE). Under the auspices and sponsorship of this Society the ISE Satellite Student Regional Symposium on Electrochemistry – 1st ISE Regional Student Meeting in Ukraine was organized. In May 2017 this excellent tradition was further developed: 2nd ISE Regional Student Meeting in Ukraine “Promising Materials and Processes in Applied Electrochemistry” was organized.

Both these events gave the participants an opportunity to get better acquainted with the modern objectives and achievements in the field, to meet personally with leading electrochemists from Ukraine and abroad, to discuss their researches.

Such increasing creative activity of young Ukrainian electrochemists has stimulated the preparation of this collective monograph, which considers some modern problems and promising ways of solving them in the following key directions of applied electrochemistry: Electrochemical power sources (part 1), Electroplating (part 2), Corrosion protection (part 3), Electrochemical sensors (part 4), Modern electrochemical and related technologies (part 5).

The following major developments are only some examples of many more contributions to this monograph: promising anode, cathode and binder materials for effective lithium-ion accumulators and hybrid supercapacitors; effective catalysts for air-metal batteries and fuel cells; photo-bioelectrochemical fuel cells for electricity production from different organic wastes; new functional binary and ternary coatings; electrochemical sensors for monitoring of SO₂, CO₂ and other toxic substances; effective coatings which can protect metals against corrosion and people and electronic equipment against unfavorable effects of electromagnetic radiation, etc.

You can see the list of all 84 authors of this collective monograph in alphabetical order at the next page. The papers which prepared by these authors, have shown in parentheses in concordance with the Content.

The monograph could be useful for a wide range of lecturers, scientists, PhD students, holders of a master's degree and students of universities, engineers and technicians of various electrochemical enterprises.

Prof. Dr. V. Barsukov

PROMISING MATERIALS AND PROCESSES IN APPLIED ELECTROCHEMISTRY

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One meeting with possible ISE sponsorship is planned for 2018 “ISE Satellite Student Regional Symposium on Electrochemistry – 3st ISE Regional Student Meeting in Ukraine” in the NTUU "Igor Sikorsky KPI" and hopefully will be supported by the ISE.

Kyiv, 25th of July 2017

.....
Oleksandr Buket
ISE Regional Representative for Ukraine

28/07/2017

Report of the ISE Regional Representative for the United Kingdom

In January 2017 I replaced Tim Albrecht as the United Kingdom Representative.

Membership

The membership has grown in the last few months and now stands at 190 members.

Activities

The following ISE sponsored meetings took place:

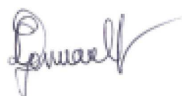
- SCI electrochemistry postgraduate conference, 19 May 2017, University of Southampton. Over 60 participants, mostly postgraduate students, from 9 UK universities. There were interesting discussions, a good deal of networking and everyone enjoyed a nice lunch and drinks at the end.
- CARISMA 2017, 9-12 April 2017, Newcastle upon Tyne, UK, Division 3. 17 invited speakers. Well attended.

Involvement of UK members in ISE

The following members are currently involved in the ISE organisation or have recently received ISE prizes:

- Phil Bartlett: ISE president since January 2017-2018
- Tim Albrecht: elected Secretary General for 2018-2020
- Patrick Unwin: past chair new topics committee, also ISE-Elsevier Prize for Experimental Electrochemistry
- Ritu Katakya: vice chair of division 1
- Geoff. Kelsall: vice chair division 5
- Andrea Russell: past chair division 7
- Angel Cuesta: chair elect division 7

Yours sincerely



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ISE Annual Report Meeting 2017 - USA

Memberships

As of today, there are 246 members from the United States, which is up from 221 members last year. This represents an increase when compared to the average number of members over the past five years, which was in the 190s. The increase in the number of members is likely due to the upcoming annual meeting in Providence, Rhode Island (there were 258 abstract submissions from the US, which is similar to the number of members), as well as a combination of recruitment efforts. Recruitment of members is taking place on an ongoing basis by directly emailing colleagues and talking to them at ISE and ECS meetings. Also, by co-sponsoring meetings, such as the Fuel Cells Gordon Research Conference last year.

Activities

1. Providence 2017 Annual Meeting. The US group, under the leadership of Sanjeev Mukerjee (Northeastern University), Mark Orazem (University of Florida), and Plamen Atanassov (University of New Mexico) -co-chairs for the annual meeting, has continued working on the planning and organization of the 2017 Annual Meeting that will take place in Providence, Rhode Island on August 27-September 1, 2017. Nineteen symposia topics were submitted by the divisions and approved and local co-organizers were identified for all symposia topics. 1237 abstracts were submitted. Members of the organizing committee of the 2017 annual meeting include:

- Plamen Atanassov, Albuquerque, NM, USA (co-Chair)
- Philip N. Bartlett, Southampton, UK
- Gerardine Botte, Athens, OH, USA
- Ignacio Gonzalez, Mexico, Mexico
- E. Jennings Taylor, Englewood, OH, USA
- Hasuck Kim, Daegu, South Korea
- Daniel Little, Santa Barbara, CA, USA
- Shelley Minter, Salt Lake City, UT, USA
- Sanjeev Mukerjee, Boston, MA, USA (co-Chair)
- Mark E. Orazem, Gainesville, FL, USA (co-Chair)

2. Co-sponsoring of meetings. We have co-sponsored the Fuel Cells Gordon Research Conference. This meeting was organized by ISE members Adam Z. Weber & Plamen Atanassov (Chairs). The meeting took place on August 7-12, 2016 near Boston, MA. The focus of the meeting was on the next generation of durable, high-performance components and fuel cells, including modeling, diagnostics, and materials development advancements. There were 146 participants at the meeting with attendees from US, Europe, and Asia.

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