

SEAC *communications*

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PRESIDENT'S MESSAGE

Dear Members of SEAC and any and all interested parties:

This spring's board meeting has decided to rename the SEAC Young Investigator Award. In recognition of Royce's service to SEAC and the electroanalytical community at large, the award has been renamed the

Royce W. Murray Award

I am also very pleased to let you know that Pine Research Instrumentation is willing to sponsor the Royce W. Murray Award honorarium in the amount of \$500 per year (double the current amount of \$250) in addition to their ongoing sponsorship of the Graduate Student Travel Awards. Thank you very much for the generous contribution.

This society only exists and functions because of all the volunteer work invested by its members. Two new volunteers are Tessa Carducci and Maral Mousavi, who have agreed to serve as new student editors. The positions opened after Xu Zou earned his PhD earlier this year and transitioned into an industrial career. Attentive readers will recognize Tessa and Maral as 2014 SEAC travel award winners. Xu, Tessa, and Maral, thank you for your (past and future) contributions.

Another opportunity to volunteer for the society is through membership on the board. Please consider nominating yourself or an interested colleague as a new board member. (See the following page of this newsletter for details.) As we celebrate 30 years of SEAC, it is fair to say that SEAC is going strong. Please help us to keep up the momentum.

Cheers,

Adrian

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REMINDER - NOMINATIONS FOR SEAC BOARD AND OFFICERS

Nominations are now open for three positions on the Board of Directors.

All members in good standing are eligible for the Board, with the exception of the following members who have recently stepped down and are not eligible for election to the Board:

Board members who stepped down in July 2013, who are **not** eligible for nomination for election to the Board this year are: *Katherine Ayers, Daniel Feldheim, Jean-Michel Kauffmann*

Board members who stepped down in July 2014, who are **not** eligible for nomination until 2016 are: *Philippe Buhlmann and Jon Kirchhoff. Shelley Minter is the current President-Elect.*

As specified in the bylaws, the list of nominees shall include the name of each candidate suggested by more than ten members and all other candidates deemed appropriate by the Nominating Committee. Nominations should be forwarded to Jill Venton, jventon@virginia.edu, the Chair of the Nominations Committee, by November 1 for consideration, and election materials will be sent to all members in good standing on December 1. (Ballots will be due to the Secretary by December 15)

Thank you,
Jill Venton, Chair
Nominations Committee

PITTCON 2014 STUDENT TRAVEL AWARD WINNERS



Left to right: Student travel award winners Stephen J. Percival, Tessa Carducci, Maral Mousavi, Jacob Goran, and SEAC members Michael Mirkin, unknown, Lane Baker, and Joaquin Rodriguez Lopez.

MEETINGS TO COME

Meetings of interest to our SEAC members abound during the coming year, with symposia being organized by some among us.

| Meeting | When | Where | Link for More Information |
|---|---------------------|------------------------|---|
| BASi Electrochemistry Workshop | 2014, Nov. 13&14 | West Lafayette, IN | www.eventbrite.com |
| 3 rd Zing Electrochemistry Conference | 2015, Feb. 25–28 | Nerja, Malaga, Spain | http://www.zingconferences.com |
| Pittcon 2015 | 2015, March 8–14 | New Orleans, LA, USA | http://www.pittcon.org/ |
| 249 th ACS National Mtg | 2015, March 22–26 | Denver, CO | content.acs/en/meetings |
| 16 th ISE Topical Meeting | 2015, March 22–25 | Angra do Reis, Brazil | http://www.ise-online.org/annmeet/next_meetings.php |
| 227 th ECS Spring meeting | 2015, May 24–28 | Chicago, IL | http://www.electrochem.org/meetings/biannual/fut_mtgs.htm |
| 17 th ISE Topical Meeting | 2015, May 31–June 3 | Saint-Malo, France | http://www.ise-online.org/annmeet/next_meetings.php |
| 250 th ACS National Mtg | 2015, August 16–20 | Boston, MA | content.acs/en/meetings |
| 66 th ISE Annual Meeting | 2015, October 4–9 | Taipei, Taiwan | http://www.ise-online.org/annmeet/next_meetings.php |
| 228 th ECS Fall meeting | 2015, Oct. 11–16 | Phoenix, AZ | http://www.electrochem.org/meetings/biannual/fut_mtgs.htm |
| Pacificchem 2015 | 2015, Dec. 15–20 | Honolulu, HI | http://www.pacificchem.org |
| 18 th ISE Topical Meeting | 2016, March 9–11 | Gwangju, South Korea | http://www.ise-online.org/annmeet/next_meetings.php |
| Pittcon 2016 | 2016, March 6–11 | Atlanta, GA | http://pittcon.org |
| 251 st ACS National Mtg | 2016, March 13–17 | San Diego, CA | content.acs/en/meetings |
| International Society of Electrochemistry, Topical Meeting: Electrochemistry at Modified Interfaces | 2016, April | Auckland, New Zealand | (see note after this table) |
| 229 th ECS Spring meeting | 2016, May 20–June 3 | San Diego, CA | http://www.electrochem.org/meetings/biannual/fut_mtgs.htm |
| 252 nd ACS National Mtg | 2016, August 21–25 | Philadelphia, PA | content.acs/en/meetings |
| 67 th ISE Annual Meeting | 2016, Aug. 21–26 | The Hague, Netherlands | http://www.ise-online.org/annmeet/next_meetings.php |

| Meeting | When | Where | Link for More Information |
|-------------------------------------|-------------------------|---------------------|---|
| PRiME 2016 (ECS) | 2016, May 24–28 | Chicago, IL | http://www.electrochem.org/meetings/biannual/fut_mtgs.htm |
| Pittcon 2017 | 2017, October 9–14 | Honolulu, HI | http://pittcon.org |
| 253 rd ACS National Mtg | 2017, April 2–6 | San Francisco, CA | content/acs/en/meetings |
| 68 th ISE Annual Meeting | 2017, August 27–Sept. 1 | Providence, RI | http://www.ise-online.org/annmeet/next_meetings.php |
| 232 nd ECS Fall meeting | 2017, October 1–6 | National Harbor, MD | http://www.electrochem.org/meetings/biannual/fut_mtgs.htm |

BASi 1.5-day Electrochemistry Workshop (Cynthia Schroll)

This 1.5-day workshop will cover electrochemical instrumentation, lab exercises and training, maintenance and troubleshooting, selected techniques, trends and special topics.

Thursday, November 13, 2014 at 9:00 AM - Friday, November 14, 2014 at 12:00 PM (EST), West Lafayette, IN

www.eventbrite.com

International Society of Electrochemistry, Topical Meeting: Electrochemistry at Modified Interfaces

April 2016, Auckland, New Zealand

Co-chairs: Professors David Williams (University of Auckland) and Alison Downard (University of Canterbury)

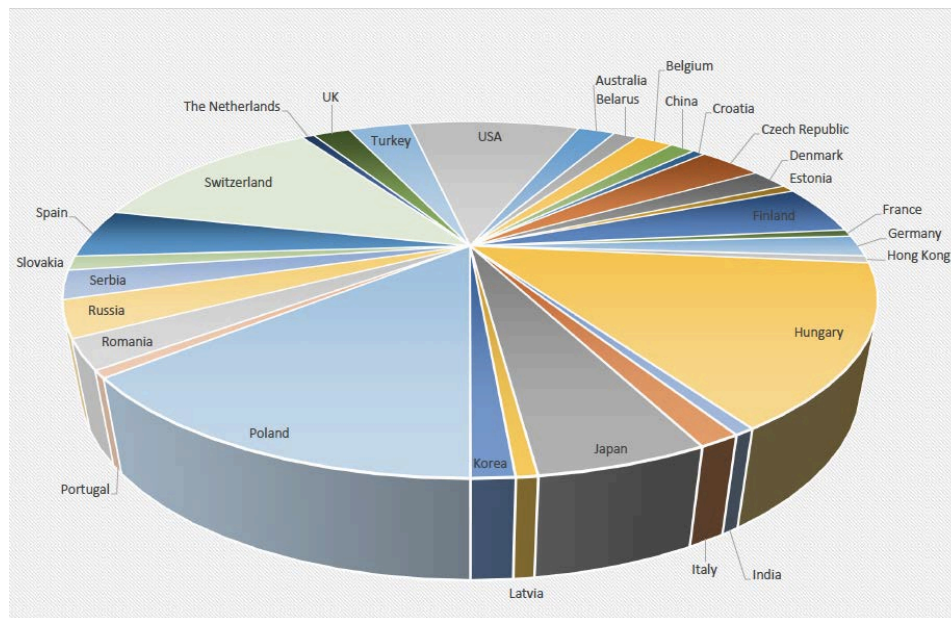
Topics will include (but are not limited to): theory and fundamental studies of electron transfer, electrocatalysis, smart materials, electron transfer to biological species, electroanalysis, corrosion and surface treatments for industrial applications.

MÁTRAFÜRED CONFERENCES – 42 YEARS OF ELECTROCHEMICAL SENSORS

A contribution by Dick Durst

The Mátrafüred Conferences in Hungary began in 1972 as a series of conferences on ion-selective electrodes held at the Hungarian Academy of Sciences retreat facility located in the small town of Mátrafüred about 85 kilometers northeast of Budapest in the beautiful Mátra mountains. However, it outgrew this location and has since moved twice, while retaining its original name, as did the Pittsburgh Conference in the U.S..

The conference has grown in three ways: by expanding its focus, increasing its international diversity and in its size. It started out with just a few dozen participants and has increased to the latest meeting with over 150 attendees. While the earliest conferences were mostly attended by scientists from European, mostly eastern block, countries, the latest meeting included participants from 30 countries from all corners of the world (see the pie diagram provided by Robert Gyurcsanyi, one of the organizers of this year's meeting). As usual, the largest contingents of attendees came from Hungary and Poland, with good representation also from Switzerland, Finland, the Czech Republic, Spain, Germany, Japan, Russia and the USA.



During the boat trip, two caricaturists made drawings of people brave enough to volunteer. The pictures, being caricatures, of course did justice to no one, as can be seen in mine which appears to be the reincarnation of Bob Osteryoung! Other SEAC favorites included Mark Meyerhoff, Eric Bakker and Erno Lindner. (What happened to the caricature photo of Joe Wang? Was he too smart to have one made?) After seeing the pictures, I am convinced that one "artist" was high on psychedelic drugs while the other was only mildly inebriated! But it was great fun!

Since the original conference in 1972, this meeting is held on a three-year cycle (replacing the original four-year cycle because of popular demand) with two special conferences on Bioelectroanalysis held in 1986 and 1992. The first five conferences were published as proceedings including the transcription of the discussions and, after 1988, books containing all of the abstracts of both the oral and poster presentations were published. Then, for the past four conferences, Joe Wang, the editor of *Electroanalysis*, a frequent participant at these meetings and one of the organizers of this meeting, has

published special issues of this journal containing peer-reviewed articles from the conference. Later this year, a special issue of *Electroanalysis* will continue that tradition with the current meeting that was held in Visegrád on June 15-20, 2014.

This conference was dedicated to Klara Toth, one of the original organizers of these meetings (with Ernő Pungor), who passed away last December. At the Sunday evening memorial session, four speakers provided remembrances of this outstanding scientist and very special person. In addition, the Tuesday morning session was dedicated to the memory of Richard P. Buck, a very active and well-respected participant in these conferences, who passed away in 2011, shortly after the preceding Matrafüred conference.

Several notable SEACers were invited speakers at this conference and presented outstanding lectures, including Mark Meyerhoff speaking on glucose sensors for tiny volumes of tear fluid, Sam Kounaves out-of-this-world talk on electrochemical analysis on Mars, Eric Bakker on improving ISEs by controlling ion fluxes, Ernő Lindner discussing an optical sensor platform using dye-loaded nanocapsules in hydrogels, Phil Bühlmann speaking on methods for achieving emf reproducibility in solid-contact ISEs and Joe Wang describing the latest in wearable sensors for applications in sports, military and healthcare applications.

With so many excellent talks, friendly and interesting participants, enjoyable activities and perfect location, is it any wonder that I keep coming back to this conference?

I encourage SEAC members to consider Mátrafüred 2017 in their future meeting plans – it is certainly one of the best conferences of its type.

The organizers of this year's conference shown in the gang-of-five photo are (l. to r.): Phil Bühlmann, Eric Bakker, Robert Gyurcsanyi, Joe Wang and Ernő Pretsch.



To see more photos of the meeting and its activities, go to the Gallery at the conference website: <http://matrafured-conference.bme.hu/gallery>.

NEW BOOKS

Electrochemical Impedance Spectroscopy and its Applications

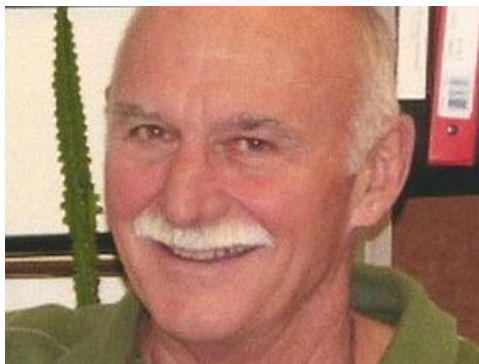
Author: Andrzej Lasia

Département de chimie, Université de Sherbrooke, Sherbrooke, Québec, J1K 2R1, Canada

This book presents a complete overview of the powerful but often misused technique of Electrochemical Impedance Spectroscopy (EIS). The book presents a systematic and complete overview of EIS. The book carefully describes EIS and its application in studies of electrocatalytic reactions and other electrochemical processes of practical interest. This book is directed towards graduate students and researchers in Electrochemistry. Concepts are illustrated through detailed graphics and numerous examples. The book also includes practice problems. Additional materials and solutions are available online.

Springer,, 2013 (ISBN: 978-1-4614-8932-0)

MIKE ELLIOT



It is with the greatest sadness that I write this message. Our dear friend and colleague Professor **Mike Elliott** passed away last night from a cardiac event. Dr. Elliott joined the faculty at CSU in 1981 and served as department chair from 1999 to 2003. Over the years, Mike was a pillar of the Department and the scientific community, well known for his science, his service and his teaching, as well as his forthright and honest approach to all things in life. This is a devastating loss to everyone who knew him.

As we grieve his passing, we take comfort in knowing that his legacy lives on--both through his distinguished research and through the achievements of the students and junior faculty he guided and mentored over the years. Please join me in sending our deepest sympathy to his family, close colleagues and students.

The Department has lost a true friend and leader with his passing.

Ellen R. Fisher, Colorado State University

See also <http://today-archive.colostate.edu/story.aspx?id=10250>

WELCOME OUR NEW LIFETIME MEMBERS

We welcome **Sadagopan Krishnan** (<http://krishnangroup.okstate.edu>), assistant professor in the department of chemistry, Oklahoma State University, as new lifetime members. **Dr. Krishnan** obtained his PhD under the supervision of Prof. Jim Rusling at the Univ of Connecticut, USA. He pursued his post-doctoral research work with Prof. Fraser Armstrong at Oxford University, UK. His research interests are in point-of-care methods, clinical biosensors, biocatalysis, biomarker validation, novel anticancer drug-screening arrays, bioelectrochemistry, and biological fuel cells.



We welcome as a new lifetime member **Bhavik Patel**, who is currently lecturer of physical and analytical chemistry at the University of Brighton, whilst also acting as a visiting researcher at the Imperial College London (Faculty of Engineering, Department of Bioengineering).



We welcome as a new lifetime member **Michael Weir**, currently working as preceptor on the integration of biology and chemistry using learner-centered techniques at the University of Delaware. Dr. Weir received a PhD based on work with dendrimer-encapsulated nanoparticles with Dr. Richard Crooks (The University of Texas at Austin) and was 2011–2013 a Postdoctoral scholar working on solid oxide fuel cells and photoelectrochemistry with Dr. Clemens Heske (The University of Nevada, Las Vegas).

HOW EASY IT IS TO BECOME A SEAC MEMBER

Any individual with an interest in electroanalytical chemistry is invited to join SEAC. Regular one-year membership dues are \$30. Student dues are \$10. Dues are payable on January 1 of each year. A lifetime membership option is available for \$300, payable either as a lump sum or in three annual, nonrefundable installments of \$100.

To become a new member of SEAC, go to <http://electroanalytical.org/membership.html> and either fill out the downloadable membership form or apply on-line.