SEAC*communications*

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PRESIDENT'S MESSAGE

Dear SEAC Members,

This SEAC Communication will be the end of an era. For the last four years, Phil Buhlmann has been at the helm as our SEAC newsletter editor and he has done an excellent job. He will be stepping down in 2016 and Takashi Ito will be replacing him. Thanks to Phil for his many years of hard work!!! This newsletter gives an overview of the "SEAC relevant" Pittcon sessions and the list is impressive. Although there are many interesting symposia, I want to point your attention to the SEAC organized student session and the new SEAC young investigator session. Finally, I would like to encourage students who are planning on attending and presenting at Pittcon to apply for SEAC travel grants before January 20th.

Shelley Minteer
President, 2015-2017

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WATCH YOUR EMAIL!!! – SEAC ELECTIONS UNDERWAY

Ballots and candidate bios were e-mailed to all members in good standing on November 23. We have an excellent slate of candidates this year, and hope to have a large "turnout." The candidates are:

President – Philippe Buhlmann
Secretary – Faye Rubinson
Treasurer – Petr Vanysek

Board of Directors –	Edgar Goluch	Parastoo Hashemi	Takashi Ito
	Joaquin Rodriguez-Lopez	Bhavik Patel	Alice Suroviec
	Ryan White		

Please mark your ballot and save it as a pdf before returning it to Faye Rubinson at jfr@georgetown.edu or print and snail mail it to her at

Faye Rubinson
Department of Chemistry, Georgetown University
240 Reiss Science
37th and O St, NW
Washington, DC 20057-1227

DEADLINE FOR BALLOT RETURN: JANUARY 15, 2016

NOMINATIONS OPEN FOR REILLEY, MURRAY, AND STUDENT TRAVEL AWARDS

The *Charles N. Reilley Award in Electroanalytical Chemistry* is given in memory of one of the most distinguished analytical chemists of the 20th century. Reilley's interests were both fundamental and broad; he made seminal contributions not only to electroanalysis, but also optical spectroscopy, NMR, chromatography, data analysis, instrumentation, and surface analysis. Sponsored by BASi, and administered entirely by SEAC, the Reilley Award recognizes an active researcher who has made a major contribution to the theory, instrumentation, or applications of electroanalysis. Nominations for the Reilley Award should include a letter of nomination describing the individual's significant contributions to electroanalytical chemistry, at least two seconding letters of support, and a curriculum vitae for the individual. All nomination materials will be retained by SEAC. Once nominated, any individual will be considered for the Reilley Award for three years without being renominated. The submission of any additional supporting information or a renomination is welcome at any time. However, **the decision for the 2017 Award will be based upon the material that is available to the award committee by the 1st of March 2016**.

The *SEAC Royce W Murray Young Investigator Award* (YIA) is given each year in honor of Professor Murray's long history of outstanding and inspiring research and his unwavering dedication to mentoring and supporting young electroanalytical chemists. The recipient is chosen based on her/his promise in the area of electroanalytical chemistry. For the SEAC Royce W Murray Young Investigator Award (YIA), nominees must be within **ten** years of having obtained their Ph.D. or other terminal degree. Candidates may be nominated by any member of SEAC. Nominations should include a letter describing the individual's promise in the area of electroanalytical chemistry, at least one seconding letter of support, and a curriculum vitae for the individual. All nomination materials will be retained by SEAC. Once nominated, an individual will be considered for the Murray Award without being renominated for three years, unless the nominee is more than ten years past awarding of their Ph.D. or other terminal degree. The retained nominations can be updated annually by the nominator as needed to best reflect the nominee's accomplishments to date. **The decision for the 2017 Murray YI Award will be based upon the material that is available to the award committee by the 1st of March 2016.**

The *SEAC Graduate Student Travel Grants*, sponsored by Metrohm Autolab, Princeton Applied Research, CH Instruments, Gamry Instruments, and Pine Research Instrumentation, is awarded to promising graduate students to offset the cost of travel to the Pittsburgh Conference to deliver an oral or poster presentation in a Conference symposium. The presentation should be on a topic related to their Dissertation or Thesis, and in some area or application of electroanalytical chemistry. Because the costs in various venues of the Conference may vary, the amount of the award will be determined by SEAC and will be between $250 and $500. The value of all of the awards in any one year will be equivalent, but it may vary from year to year. The award will not exceed the reasonable cost of advance-purchase economy airfare and reasonable expenses for lodging, nor the awardee's actual expenses. In order to spread the travel money as equitably as possible, not more than two awardees will be selected from any one research group and no more than three awards will be made to students from any one educational institution. The nomination shall consist of the student's current graduate transcript, a copy of the abstract submitted to the Pittsburgh Conference, a complete resume including publication list, and a letter of recommendation from the student's research advisor. The advisor's letter should include a statement of approximate graduation date and a short description of the student's speaking ability. A candidate shall be considered for an award for travel to Pittcon meetings occurring up to one year after the student's Ph.D. defense. Previous awardees will not be eligible for further consideration.

Nominations for travel grants are due to the SEAC awards committee chair by January 20, 2016.
Award nominations should be submitted as a single pdf file to:

Prof. Héctor D. Abruña
Department of Chemistry & Chemical Biology
Cornell University
Ithaca, NY 14853-1301

Email: hda1@cornell.edu
Tel: 607-255-4720

MESSAGE FROM NEWSLETTER EDITOR PHIL BUHLMANN

This is my last issue as chief editor of the SEAC newsletter. After I was introduced to the job by Faye Rubinson, I have run the SEAC newsletter from 2011 to 2015, and with the coming year am handing it over to Takashi Ito from Kansas State University. I am very pleased to report that over the past five years there has been a steady increase in the willingness of members to submit news items, which has resulted in newsletters that are hardly ever shorter than ten pages. I am guessing that the members' news have become more fun since they routinely include a picture of the featured member; let me apologize here for blatantly stealing those pictures from your web pages.

Connecting and reconnecting with other SEAC members through the newsletter is undoubtedly one of the most important functions of the newsletter. Hearing about upcoming awards, conferences, books authored by our members, new journals for which our members serve as editors, and awards that our members have received is essential to create a sense of community. The newsletter is not only about professional activities, though, but it connects SEAC members also on a human level. The extremely positive feedback that I have received after we have reported on a well-known member's retirement party, activities of what appeared to be long lost members, and—sadly—the passing of former members have been among the best experiences I have had as SEAC newsletter editor. They have shown me how much the life story of a SEAC member meant both to other members, and how much that meant to others who only became aware of SEAC through these news stories.

Let me therefore end with thanking all those who continue to send in members news. Please don't be too modest like the proverbial Minnesotan. Please let the newsletter know what is going on in your life.

ELECTROCHEMISTRY SESSIONS AT PITTCON 2016 (INCLUDING POSTER SESSIONS)

SUNDAY AFTERNOON, MARCH 6
- *Session 70* Wearable and Point-of-Care Sensor Technologies for Biomonitoring, Room B401, 1:30 PM
- *Session 80* Ionophore-Based Chemical Sensors I, Room B404, 1:30 PM

MONDAY MORNING, MARCH 7
- *Session 240* ACS-ANYL - BRAIN Initiative Advancements in Neurochemical and Physiological Measurements, Room B308, 8:30 AM
- *Session 270* Neurotransmission at Single and Nano-Resolved Bio-Structures, Room B303, 8:30 AM
- *Session 290* **SEAC** - Nano-Electroanalysis for a Sustainable World, Room B310, 8:30 AM
- *Session 310* Ionophore-Based Chemical Sensors II, Room B404, 8:30 AM
- *Session 340* Capillary Electrophoresis, Room B302, 8:30 AM
- *Session 420* Neurochemistry, Room B402, 8:30 AM

MONDAY AFTERNOON, MARCH 7
- *Session 540* **SEAC** - Charles N Reilley and Royce W Murray Award, Room B312, 1:30 PM
- Session *710* Neurochemistry, Room B401, 1:30 PM
- *Poster Session 780* Electrochemistry, Exposition Floor, 400 Aisle

TUESDAY MORNING, MARCH 8
- *Session 960* **SEAC** Young Investigator Session, Room B311, 8:30 AM
- *Session 990* Capillary Electrophoresis, Room B315, 8:30 AM
- *Session 1000* Electrochemistry - New Approaches and Techniques, Room B316, 8:30 AM

TUESDAY AFTERNOON, MARCH 8
- *Session 1230* **SEAC** - New Trends in Electrochemical Neurochemistry, Room B310, 1:30 PM
- *Session 1280* **SEAC** - The Student Session in Electroanalysis, Room B401, 1:30 PM

WEDNESDAY MORNING, MARCH 9
- *Session 1630* Electrochemistry - Biological Applications, Room B403, 8:30 AM
- *Poster Session 1730* Capillary Electrophoresis, Exposition Floor, 400 Aisle
- *Poster Session 1790* **SEAC** Poster Session, Exposition Floor, 400 Aisle

WEDNESDAY AFTERNOON, MARCH 9
- *Session 1830* Advancing Strategies for Chronic In Vivo Sensing, Room B302, 1:30 PM
- *Session 1870* Electrical and Electrochemical Sensing and Detection based on Nucleic Acid Recognition, Room B309, 1:30 PM

THURSDAY MORNING, MARCH 10
- *Session 2150* Electrochemistry - New Methods and Applications, Room B314, 8:30 AM

THURSDAY AFTERNOON, MARCH 10
- *Session 2370* **SEAC** - Nanoengineered Biosensors, Room B314, 1:30 PM

TRIP REPORT: ECS MEETING IN PHOENIX

A contribution by Pete Kissinger Professor of Chemistry Purdue University Founder, BASi

I had the distinct pleasure to attend the recent ECS meeting in Phoenix, Arizona with daily highs of about 100 ºF. It's amazing what low humidity can do to increase thermal tolerance. I had not attended an ECS meeting in >15 years and did not renew my decades-long membership after becoming more dedicated to ions in the gaseous phases at low pressure (aka mass spectrometry). It was wonderful to see Professor and Mrs. Adam Heller and take in two of Adam's lectures. At 82 he has not lost a step and seems to hear better now than before with his cochlear implant. It's amazing what electrochemistry can do given the electrochemical nature of our mammalian aural, visual, olfactory, and thermal transducers. Adam presented the plenary on climate change defenses and also an award address for the Heinz Gerischer Award from the ECS Europe Section.

The physical and analytical section meetings of the ECS remained very tiny with some talks having less than a dozen enthusiasts. Batteries, fuel cells, and photovoltaics of all sorts dominated the meeting, or so it seemed. No wonder. The other day, while walking about on our campus, I counted 435 battery dependent devices carried by humans, four electric cars in the parking garage being charged and a huge number of hybrid cars. Only our Asian undergrads can afford Teslas. What can we conclude? In the movie, "The Graduate" (1967), the future was said to be in "plastics". Imagine how proud Alessandro Volta would be to know that today it's "batteries".

It remains very clear why SEAC was needed for the under-represented minority that is electroanalytical chemistry. In any case, ECS was fun and it was good to see friends and feel the electric energy.

HTTP://KNOWLEDGE.ELECTROCHEM.ORG/

Zoltan Nagy, self-declared semi-retired electrochemist, wants to take this opportunity to let you know that the electrochemistry websites (including ESTIR, Dictionary and Encyclopedia) were moved from the Cleveland University to the Electrochemical Society at the address "Electrochemistry Knowledge "http://knowledge.electrochem.org/"

GOING DOWN UNDER

A contribution by Anthony J. Lucio, Department of Chemistry, University of Iowa

Australian Academy of Science

Australian Government
Department of Education and Training

NSF

Mr. Anthony Lucio, a member of Prof. Scott Shaw's research group at the University of Iowa, was recently awarded an NSF-EAPSI fellowship and a T. Anne Cleary International Dissertation Research fellowship. These two awards supported Anthony's proposed research for thirteen weeks as a guest researcher in the laboratory of Prof. Alan Bond at Monash University, in Australia. This provided an exciting opportunity for exposure to international scientific infrastructure, culture, and higher learning. The title of Anthony's proposal was, "Large Amplitude Fourier Transformed Alternating Current Voltammetry to Study the Electrical Double Layer Transition from Aqueous to Ionic Liquid Phases". The work was carried out in the summer of 2015.

The EASPI awards are open to all research fields supported by the NSF. Recipients are distinguished by their prior achievements in research and academics, as well as a carefully composed, independent proposal that describes the research to be carried out during the visit. The success of Anthony's proposal reflects his potential to make significant contributions to his research field and to spearhead new directions in research via international collaboration.

The T. Anne Cleary International Dissertation Research Fellowships are named in honor of Professor T. Anne Cleary, former University of Iowa Associate Vice President for Academic Affairs and Professor in the College of Education. The purpose of this award is to provide funds for UI doctoral candidates to conduct dissertation research outside of North America, and is available to all disciplinary areas. Blog of activities: https://anthonyjlucioblog.wordpress.com/

REPORT ON THE 11TH WORKSHOP ON BIOSENSORS & BIOANALYTICAL TECHNIQUES IN ENVIRONMENTAL, FOOD & CLINICAL ANALYSIS

A contribution by Dick Durst

The 11th Workshop on Biosensors & Bioanalytical Techniques in Environmental, Food & Clinical Analysis, BBMEC for short, was held at the University of Regensburg (Germany) on Sept. 26-30, 2015. The conference was organized by SEAC member Antje Baeumner and, by all accounts, it was a outstanding success. There were 148 participants from 22 countries in attendance (Canada, Czech Republic, Denmark, Finland, France, Germany, Haiti, India, Israel, Italy, Japan, Korea, Austria, Philippines, Russia, Spain, Switzerland, Taiwan, Thailand, Turkey, UK, and the USA), and included 26 conference talks, 15 talks by young scientists and 90 posters. From these posters, and based on attendee voting by ballot, 5 poster Prizes were presented to young investigators, as well as 9 travel grants awarded. The conference was organized under the aegis of the International Association of Environmental Analytical Chemistry, and the next BBMEC will be on September 26–30, 2017 in Rome.

There was a pre-conference on the first two days (Saturday and Sunday) devoted to young scientists who presented talks and socialized/networked at a welcome mixer and poster sessions.

On Sunday evening, the main conference began with two outstanding presentations. Leading off with the keynote lecture, was our own SEAC dynamo, Joe Wang, who amazed everyone with his fantastic, jet-propelled, nanomotor-based biosensors. Joe was followed by Lisa Hall (University of Cambridge) who described bioinspired semiconducting nanoparticles. After starting on this small (nano) note, the lectures during the remainder of the conference very well covered the subject matter of the conference title and were presented by invited experts from around the world.

I told Joe that, in his honor, Antje and I would attend his lecture in our Bavarian trachten, i.e., Dirndl and Lederhosen. Joe couldn't resist taking a photo of this Bavarian couple that he subsequently sent to me and that I share with you.

When you're in the Regensburg area, stop by and say "hello". You'll recognize us by our trachten.

2015 Midwest Universities Analytical Chemistry Conference (MUACC 2015)

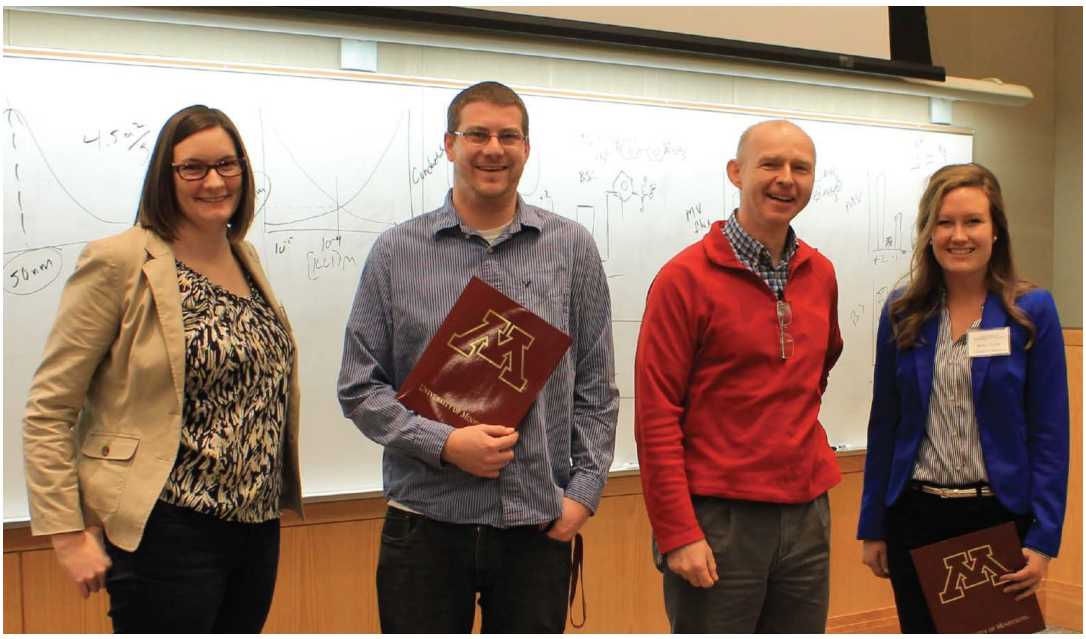
A contribution by student editor Maral Mousavi, Department of Chemistry, University of Minnesota

The MUACC conference series has a 68-year-old tradition of attracting faculty, post-doctoral associates, and advanced graduate students both from prestigious research universities and many undergraduate institutions from a wide geographical area. This year's conference was attended about 70 attendees coming from all over the Upper Midwest. The MUACC conferences are unique because they focus on identifying new trends in research and instruction of analytical chemistry and forging new alliances among research groups. The conference style is informal, with most of the presentations chalk talks.

At the 2015 MUACC, program chair Philippe Buhlmann started the tradition of recognizing students' contributions by offering a Golden Gopher Poster award and a Platinum Gopher Poster award to the best poster presenters. This year's awardees were PhD candidates Andrew Johnson and Kailey Soller.

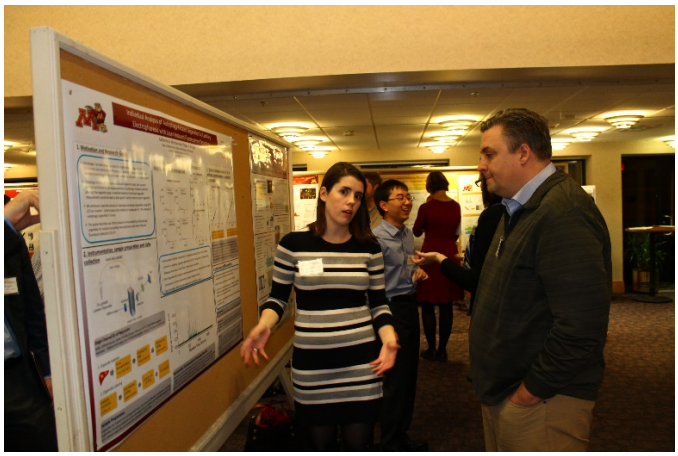
Johnson is advised by Professor Erin Carlson (faculty member at the Department of Chemistry, University of Minnesota). His poster highlighted recent work in the Carlson lab on the elucidation of natural product structures using a variety of mass-spectrometry based tools, including collision-induced fragmentation and ion mobility.

Soller is co-advised by professors Michael Bowser and Gianluigi Veglia (faculty members at the Department of Chemistry, University of Minnesota). Her project is the result of a collaboration between the two labs. Soller's poster reported on the interactions of single-stranded DNA with phospholamban, a cardiac protein. Phospholamban inhibits SERCA, a calcium pump in muscle cells, but upon addition of single-stranded DNA, inhibition is relieved. Soller showed that the relief of inhibition is length-dependent but not sequence specific.

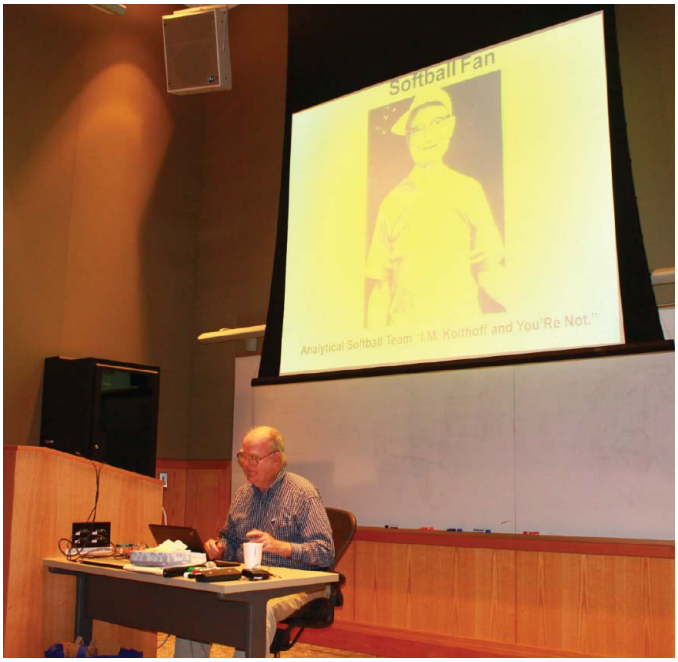


Andrew Johnson and Kailey Soller receive their poster awards from MUACC 2015 program chairs Deanna O'Donnell (Hamline University) and Philippe Buhlmann (University of Minnesota). Pictured, from left, are O'Donnell, Johnson, Buhlmann, and Soller.

MUACC 2016 will be held at the University of Illinois at Urbana-Champaign on October 13-15, 2016.



Students presenting their work at the 2015 MUACC poster session. Bottom right: Prof. Rodney Olson (Hamline University), who has attended many MUACCs over several decades, presents a poster about the history and development of MUACC.

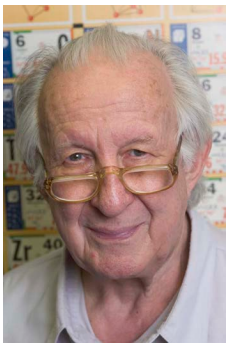


Prof. Peter Carr, faculty member at the Department of Chemistry, University of Minnesota, giving a talk on the lifetime achievements of Izaak Maurits Kolthoff (1894–1993). Kolthoff was faculty member at the University of Minnesota and is often referred to as the father of Analytical Chemistry in the United States; undoubtedly, he was a giant in the field of electroanalytical chemistry.

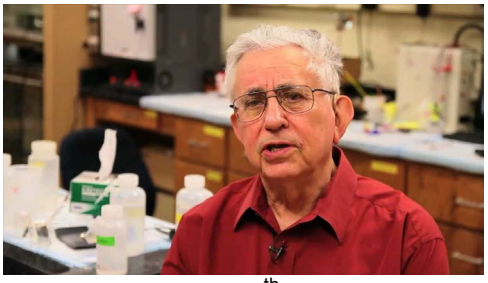
NEWS FROM MEMBERS

Michael Freund has moved from the University of Manitoba, where he held a Tier 1 Canada Research Chair, to the Florida Institute of Technology in Melbourne Florida, to become Professor and Head of Chemistry. His group (msf.fit.edu) will continue their work on conjugated polymer based sensors, electronics and artificial photosynthetic devices on the beach, amongst the sea turtles.

On January 13 2016, ***Petr Zuman*** will be 90. He enrolled at Charles University in Prague in 1945 and graduated in early 1948. After this he joined the research group of Jaroslav Heyrovský (Nobel prize in chemistry 1959 for polarography) and was awarded a RNDr (equivalent to a PhD) in 1950. He was one of the first researchers in the newly created Central Polarographic Institute in Prague, and within a few years he was appointed Head of the Organic Polarography Division. Following the 1967 political upheaval in Czechoslovakia, he obtained a three-and-one-half-year appointment as a research fellow at the University of Birmingham in England, and in 1970 he accepted a position in the Chemistry Department at Clarkson University in Potsdam, New York, where he remained until his retirement. He published 450 research papers, predominantly on polarography, 17 books (No. 17 this year). His monograph *Substituent Effects in organic polarography* was quoted in more than 740 research papers. His papers are still quoted on average 20 to 30 times per week, and he is still active in research. ***Happy Birthday!***



At the 228th Meeting of The Electrochemical Society, ***Adam Heller*** from the The University of Texas at Austin delivered the ECS Lecture on "Wealth, Global Warming and Geoengineering". It was attended by more than 1,000 colleagues. He was also made the 78th Honorary Member of The Electrochemical Society "for fundamental and applied contributions to electrochemistry and its uses". The first two Honorary Members, in 1919, were Charles F. Chandler and Edgar F Smith. Of the living electroanalytical chemists, the 67th was Barry Miller in 1999; Larry Faulkner was the 70th in 2003; and Al Bard the 76th in 2013. Adam Heller also received the Heinz Gerischer Award of the Europe Section of The Electrochemical Society "in recognition of outstanding contributions to the science and technology of semiconductor electrochemistry, photoelectrochemistry and photocatalysis".



SPECIAL THANKS TO OUR NEW LIFETIME MEMBER!

Special thanks go to Gangli Wang, associate professor of in the Department of Chemistry, Georgia State University, who is now a new lifetime member!

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***
1st National Symposium about Graphene and 2D-related Nanomaterials	2015, Nov. 12-13	Buenos Aires, Argentina	See below.
Pacifichem 2015	2015, Dec. 15–20	Honolulu, HI	http://www.pacifichem.org
GRC in Electrochemistry	2016, Jan. 10–15	Ventura, CA	http://www.grc.org/programs.aspx?id=11216
2016 CEC Annual Workshop on Electrochemistry	2016, Feb 13-14	Austin, TX	http://cec.cm.utexas.edu/annual-electrochemistry-workshop
18th ISE Topical Meeting	2016, March 9–11	Gwangju, South Korea	http://topical18.ise-online.org/
Pittcon 2016	2016, March 6–11	Atlanta, GA	http://pittcon.org
251st ACS National Meeting	2016, March 13-17	San Diego, CA	http://www.acs.org/content/acs/en/meetings/spring-2016.html
19th ISE Topical Meeting: Electrochemistry at Modified Interfaces	2016, April 17–20	Auckland, New Zealand	http://topical19.ise-online.org/
229th ECS Spring meeting	2016, May 29–June 3	San Diego, CA	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
6th Baltic Electrochemistry Conference: Electrochemistry of Functional Interfaces and Materials	2016, June 15-17	Helsinki, Finland	http://chemistry.aalto.fi/en/current/6th_electrochemistry_meeting/
GRC in Bioanalytical Sensors	2016, June 26–July 1	Newport, RI	http://www.grc.org/programs.aspx?id=14001
14th International Conference on Electrified Interfaces	2016, July 3-8	Singapore, Singapore	http://www.lancaster.ac.uk/icei2016/
252nd ACS National Meeting	2016, Aug. 21–25	Philadelphia, PA	https://www.acs.org/content/acs/en/meetings/nationalmeetings/meetings.html
67th ISE Annual Meeting	2016, Aug. 21–26	The Hague, Netherlands	http://annual67.ise-online.org/
2nd International Meeting on Electrogenerated Chemiluminescence	2016, Sept 29-31	Bordeaux, France	http://ecl2016.sciencesconf.org/
PRiME 2016 (ECS)	2016, Oct. 2–7	Honolulu, HI	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
Pittcon 2017	2017, March 2-10	Chicago, IL	http://pittcon.org
20th ISE Topical Meeting	2017, March 19-22	Buenos Aires, Argentina	http://www.ise-online.org/annmeet/next_meetings.php
253rd ACS National	2017, April	San Francisco,	https://www.acs.org/content/acs/en/meeti

Meeting	*When*	*Where*	*Link for More Information*
Meeting	2–6	CA	ngs/nationalmeetings/meetings.html
21st ISE Topical Meeting	2017, April 23–26	Szeged, Hungary	http://www.ise-online.org/annmeet/next_meetings.php
231st ECS Spring meeting	2017, May 28-June 2	New Orleans, LA	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
68th ISE Annual Meeting	2017, Aug. 27–Sept. 1	Providence, RI	http://www.ise-online.org/annmeet/next_meetings.php
254th ACS National Meeting	2017, Aug. 20–24	Washington DC	https://www.acs.org/content/acs/en/meetings/nationalmeetings/meetings.html
232nd ECS Fall meeting	2017, Oct. 1–6	National Harbor, MD	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
255th ACS National Meeting	2018, March 18-22	New Orleans, LA	https://www.acs.org/content/acs/en/meetings/nationalmeetings/meetings.html
69th ISE Annual Meeting	2018, Sept 2-7	Bologna, Italy	http://www.ise-online.org/annmeet/next_meetings.php

Save the date for the CEC Annual Workshop on Electrochemistry — Feb. 13-14, 2016

Each year in Austin, Texas, the Workshop on Electrochemistry brings together experts in fields of engineering, materials, and electrochemistry to focus on topics in a few important areas of research. Participants address specific challenges in the field, exchange ideas and information, and catch up with colleagues from around the world. The workshop is hosted by the Center for Electrochemistry, and the date for the 8th annual Workshop has been set for February 13-14, 2016. More information will be available at http://cec.cm.utexas.edu as details are set.

1st National Symposium about Graphene and 2D-related Nanomaterials — November 12-13, 2015

We are pleased to announce the first National Workshop of "Graphene and 2D-related analogues," which will take place in La Plata (Buenos Aires), Argentina from November 12th to 13th, 2015. The workshop involves plenary and semi-plenary presentations, a tutorial about graphene, and a round table. The tutorial entitled "**Welcome to flatland: An introduction to graphene and the new family of 2D materials"** will be given by Dr. Luis Foá Torres *(University of Córdoba, Argentina)*. He will teach students and the press about the interesting properties of this two-dimensional form of carbon that have been inspiring applications in various fields including electronics, optoelectronics, Raman spectroscopy, solar cells, and material science in general. He will give a brief overview of graphene and other 2D materials: what are they, what's the hype about them, and how can we profit from them. The workshop also includes an invited speaker from Brasil, Dr. Cristiano Fantini Leite, researcher at *Universidade Federal de Minas Gerais*, UFMG, Belo Horizonte, Brasil. Cristiano has been working with carbon nanotubes and lately with graphene and MoS-type transition metal dichalcogenides, as demonstrated by his recent publication (Accounts of Chemical Research. v.48, p.41 - 47, 2015). Cristiano will also participate in the round table for discussing perspectives of graphene in Academics and Industry along with other experts in the field, for instance, in Raman spectroscopy (*Dr. Rosana Romano-University of La Plata, Argentina*), staff from *Y-TEC* (Dr. Fabio Saccone, Executive Director of R&D+i at *Y-TEC Oil Co*.), Dr. Arnaldo Visintin expert on lithium batteries (*University of La Plata, Buenos Aires*), Dr. César Barbero (*University of Rio Cuarto, Córdoba*), and Dr. Javier Amalvy (*University of La Plata. Argentina*), who will give an overview of the *Argentinian Foundation of Nanotechnology* (in Spanish: Fundación Argentina de Nanotecnología, FAN) and its lines of action in the field of nanotechnology. There will be also a video-conference given by Dr. María Carmen Asensio from *Synchrotron SOLEI* in Paris, France. She will show results from angle resolved photoelectron spectroscopy (ARPES) and other related and powerful techniques for characterizing graphene. This will be a great opportunity to interact with students, industry, and academics in order to meet each other and to unite efforts towards future studies and applications involving this fascinating nanomaterial. For more information, please contact Francisco Ibañez (fjibanez73@gmail.com).

GRAFENO

1st National Symposium about Graphene and 2D-related Nanomaterials

November, 12th and 13th
La Plata, Buenos Aires, Argentina

TOPICS:

- Graphene: theorical aspects, synthesis, characterization, and applications.
- Technological challenges, production, and uses
  Other 2D Nanomaterials.

Plenary Talks:
Cristiano Fantini (Belo Horizonte, Brasil)
María Carmen Asensio (Synchrotron SOLEIL, Francia)
César Barbero (Río Cuarto, Argentina).

Tutorial: Luis Foá Torres (FaMAF, Argentina)

"1st National Symposium about Graphene and 2D-related Nanomaterials", La Plata, ARGENTINA.

- Instituto de Investigaciones Fisicoquímicas Teóricas y Aplicadas (INIFTA).
Dto. de Química, Facultad de Cs. Exactas. Universidad Nacional de La Plata & CONICET
- YPF-Tecnología (Y-TEC)

AIM

The focus of this Symposium is to invite students, researchers, and the industrial sector in order to discuss about graphene and its importance in Academics and Industry.

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YPF - Tecnología S.A. (Y-TEC)
La Plata, Buenos Aires, Argentina

Electrochemistry at Modified Interfaces — April 17–20, 2016

The 19th Topical Meeting of the International Society of Electrochemistry will be held in Auckland, New Zealand 17- 20 April 2016. Abstracts for poster and oral, invited oral and keynote presentations may now be submitted through the website at http://topical19.ise-online.org The closing date for submission of abstracts will be 7 December 2015.

ElecNano — May 23–25, 2016

Following the success of the previous editions of ElecNano 1-6 (2006, 2008, 2009, 2011, 2013 and 2014), the researchers of the NanoBiointerface team of the Institut d'Electronique, de Microélectronique et de Nanotechnologie of the University of Lille (IEMN) and the sub-division of electrochemistry of the French Chemical Society are happy to organise the 7th meeting of Electrochemistry in Nanoscience. This 7th edition will be held in Lille at Polytech-Lille from 23 to 25 of May 2016. The focus of this meeting is nanomaterials for sensing and energy driven applications

The area of nanotechnology and the development of novel functional nanomaterials has witnessed continuously growing interest. Numerous projects have been focused on the synthesis, characterization, and functionalization of nanomaterials, as well as their enormous possible applications in energy generation/storage devices ranging from such fuel cells, batteries, to supercapacitors. Electrochemical techniques using these new material-based electrodes provide in addition sensitive and selective sensing platforms, and so are expected to be of wide interest for analytical purposes.

The 2016 ElecNano Meeting brings together leading experts from various scientific disciplines to discuss new and exciting advances that involve nanoscale materials and nanotechnologies for electrochemical sensing and energy related issues. Justin Gooding (School of Chemistry and Australian Centre for NanoMedicine, University of New South Wales, Australia; Editor-in-Chief, ACS Sensors), Lisa Hall (Department of Chemical Engineering and Biotechnology, University of Cambridge, UK), Martin Pumera (School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore), Patrick Unwin (University of Warwick, UK), Elisabeth Lojou (Laboratory of Bioenergetic and Engineering of Proteins, Marseille, France), Sophie Griveau (Chimie ParisTech, Unite Technologies Chimiques & Biologiques pour la Sante, Paris, France) and Mohammed A. Amin (Materials and Corrosion group, Department of Chemistry, Faculty of Science, Taif, Saudi Arabia) will be sharing with the participants their recent results. Please explore the website for more information: www.elecnano.fr

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, fill out the downloadable membership form, and pay either by check or on-line.