SEAC*communications*

Volume 34, Number 2, June 2018

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PRESIDENT'S MESSAGE

Dear SEAC Members,

Many of you had a busy start of the year, and I hope that you all have over the summer the opportunity to take a little break here or there. Looking back at spring, Pittcon was a highlight for many of us. Please enjoy the pictures from the SEAC awards session in this newsletter issue. Let me also take the opportunity to thank BASi for sponsoring the Charles N. Reilley Award for over 30 years, and Pine Research Instrumentation for making the Royce W. Murray Young Investigator Award possible for more than ten years. This is a commitment that SEAC appreciates immensely.

We already announced in our last newsletter that Maryanne Collinson is taking over the job of SEAC secretary, David Cliffel will be our new treasurer, Bo Zhang is our new president-elect, and Robbyn Anand, Megan Sassin, and Kristin Cline are new board members. Please find their short bios in this newsletter. A big thank you to all of them for their willingness to serve SEAC.

I would like to take the opportunity to remind everyone that the first year of SEAC membership is free. Please keep that in mind when your students, colleagues, and co-workers ask you about SEAC. Moreover, student fees are only $10. It is never too early to start thinking about applying for a student travel award to Pittcon 2019.

Enjoy your summer—and don't fall for any e-mail scams.

Phil Buhlmann
President, 2017-2019

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FRAUDULENT EMAILS

Having a web presence with information about an organization has the obvious advantage that everybody who wants to get the information can do so, right away and with sufficient detail. Most people use it for good purposes, but some deduce the structure and responsibilities and then engineer mail with nefarious goals. As the SEAC treasurer, I would be writing for example checks for student travel awards. A few days after the busy activities at Pittcon, I received an e-mail from "Shelley Minteer" (The quotes to protect the innocent past SEAC chair Shelley). The message said "Petr, I need you to make a payment to a Vendor, confirm if you can get it done today so I can forward you the Beneficiary details. Regards, Shelley Minteer." I'm a snob about grammar and I have trouble taking anyone seriously who is using gratuitous capitalization. I knew it was not from Shelley. The trouble with the smartphones is, they give only the name of the sender so it looked OK. And Google mail gave the address as Shelley Minteer minteer@chem.utah.edu. Still not a hint of anything odd. Only when looking at the header (which smart phones will not allow), there is a clue. The "reply to" is supposed to go to Shelley Minteer presidentboss0@gmail.com. So into spam it went. Since we have very few expense lines, I do not believe anyone would fall for it. But I would not consider myself entirely immune to such mailings.

This was not the only email from "Shelley" and a few of us already received mail from our "president" "Philippe Buhlman," also fishing for some money related information. And it is not just within SEAC confines. I have already seen such letters from the ECS members as well. Ever since I did not get my inheritance from Nigeria, I am a bit weary.

Petr Vanysek (Treasurer)

DONATIONS TO SEAC: HOW TO DONATE STOCKS

SEAC, as a non-profit organization, derives its income from the membership dues, but also in large amount from our corporate sponsors. The income is used to support our awards, travel of students to Pittcon, and the activities at Pittcon. While we are frugal, we also seek to increase the funds in our investment account to support our awards from its income. Therefore, donations from members and friends, beyond the membership dues, are always welcome. Cash can be donated through our payment web page http://electroanalytical.org/membership.html. But we have also the ability to accept as a gift long-term appreciated securities.

Giving such financial instruments to a charitable organization can be quite beneficial to both the organization and the donor. Consider that somebody has held for a few years a stock originally purchased for $200 and the stock now has a value $1000. If that person decides to donate the stock itself to SEAC, then SEAC will receive the $1000 and the donor will receive from the broker a receipt for $1000 donation. It is probably easier than cashing the stock and then sending the money to SEAC. Should the donor cash the check instead, the gain on the stock ($800=$1000-$200) would be taxed at the capital gain rate (15% for many), i.e., $120. With such a scenario, $880 would go to SEAC and $120 to the federal budget. Sure, the federal government also needs money, but we believe that if directed to SEAC, the $120 will be better spent on electrochemists.

So *how to donate securities?* SEAC has an account with Fidelity Investments that can accept securities. Ask the SEAC treasurer for the account number (we do not want to keep it posted for everyone to see) and give the information to your broker. They are setup to handle these transfers. Once this is done, let the treasurer know it has happened. Typically, non-profits cash securities when they receive them and the treasurer will not know about a contribution until a statement arrives.

Tax advantage. Either the broker or SEAC will provide a letter verifying charitable cash donation, in the first case for $1000, in the second for $880. So even here, assuming one itemizes and can claim charitable donations, an advantage can be realized through direct stock donation. In all fairness, the 2018 change in the tax code increased the standard deduction limit and itemizing deductions will be useful for fewer people. Still, we hope that people will donate for the good cause of SEAC and not for the tax write-off.

Petr Vanysek (Treasurer)

NEW OFFICERS AND BOARD MEMBERS

Bo Zhang will become our President Elect from July 2018-June 2019. He will serve as President July 2019-June 2021, and then will serve as Immediate Past-President from July 2021-2022. Maryanne Collinson and David Cliffel will be our Secretary and Treasurer, respectively, from July 2018-June 2020. Our new Board members - Robbyn Anand, Megan Sassin, and Kristin Cline - will assume office in July 2018 and serve until June 2023.

Bo Zhang is a Professor of Chemistry at the University of Washington, Seattle. His group is best known for the development and use of new electrochemical and fluorescence methods for studying heterogeneous electron transfer processes of single molecules and single metal nanoparticles. His group also developed new imaging methods using ultramicroelectrodes, and their uniform, massive arrays to study transient redox events, such as molecular diffusion and fast release of neurotransmitters. His B.S. and M.S. degrees were obtained from Shandong University and Peking University, respectively. He worked with Professor Henry White at the University of Utah and was awarded a Ph.D. in 2006. He then worked on single-cell neurochemistry in Professor Andrew Ewing's lab at Pennsylvania State University as a postdoctoral scholar before starting his independent career at UW in 2008. His awards include the Sloan Research Fellowship and the Young Investigator Award from the Society for Electroanalytical Chemistry (SEAC). He served on the Board of Directors of SEAC from 2013 to 2017. In 2014, he was featured on Analytical Scientist's "Top 40 under 40" Power List.

Maryanne Collinson is the John B. Fenn Professor of Chemistry at Virginia Commonwealth University. She received a B.S. degree in chemistry and forensic science from the University of Central Florida and a Ph.D. degree in analytical chemistry from North Carolina State University. She continued her studies as a postdoctoral research associate in Professor Mark Wightman's laboratory at the University of North Carolina at Chapel Hill. Her academic career began at Kansas State University. She moved to Virginia Commonwealth University in 2005. Her research program lies at the interface of nanoscience, materials chemistry, and analytical chemistry with a particular focus on the fabrication and characterization of gradient materials and high-surface area nanoporous metal and metal alloys for electrochemical analysis.

David E. Cliffel, Cornelius Vanderbilt Professor and Chair, Department of Chemistry, Vanderbilt University, directs an innovative research effort in instrumental design and electroanalytical methods applied to nanotechnology and biotechnology. He is the deputy director in the Vanderbilt Institute for Integrative Biosystems Research and Education (VIIBRE), and the Technical Editor for Physical and Analytical Electrochemistry, Electrocatalysis and Photoelectrochemistry for the *Journal of the Electrochemical Society*. He was a member of the Board of Directors for SEAC from 2011-2016. He received his Ph.D. in analytical chemistry under the direction of Allen J. Bard in 1998, was a post-doctoral assistant with Royce W. Murray at UNC-Chapel Hill, and joined Vanderbilt University in September 2000.

Robbyn K. Anand is an Assistant Professor in the Department of Chemistry at Iowa State University. She earned her Ph.D. in 2010 from the University of Texas at Austin under the guidance of Prof. Richard M. Crooks with the support of an NSF Graduate Research Fellowship. She developed microfluidic devices employing bipolar electrodes for electrokinetic focusing of charged species and membrane-free seawater desalination. Then, as an NIH Postdoctoral Fellow, she worked with Prof. Daniel T. Chiu at the University of Washington on the capture and analysis of circulating tumor cells. During that time, she also pioneered a technique for dielectrophoretic manipulation of biological cells using electric field gradients extended by the manipulation of local ionic strength. Research in the Anand group is focused on the development of electrokinetic, microfluidic, and electrochemical approaches to address critical needs in human health. Robbyn has also founded the Midwest Women Chemists Retreat, an annual event aimed at the retention and advancement of women in the chemical enterprise.

Megan B. Sassin received her B.S. in Chemistry from Southwestern University (Georgetown, TX) in 2001 and her M.S. and Ph.D. degrees in Chemistry from the University of California, Irvine in 2003 and 2007, under the direction of Professor Reginald M. Penner. In 2008, Dr. Sassin joined the Advanced Electrochemical Materials section of the U. S. Naval Research Laboratory (NRL) in Washington, D.C. as a National Research Council postdoctoral fellow, working with Dr. Jeffrey W. Long on high performance aqueous-based electrochemical capacitors enabled via 3D nanoarchitectured electrodes. She joined the Advanced Electrochemical Materials section as a staff scientist in 2010, under the direction of Dr. Debra Rolison, and was awarded the Jerome and Isabella Karle Fellowship to investigate three-dimensional (3D) architectures for electrostatic capacitors. She is a co-recipient of the 2009 Arthur K. Doolittle Award from the PMSE Division of the American Chemical Society, and is the author of several high-profile papers, including invited review articles on the topic of electrochemical capacitors. In 2012, Dr. Sassin received the Rising Star award from the Women Chemists Committee of the American Chemical Society for her work on aqueous asymmetric electrochemical capacitors. Dr. Sassin's research interests are presently centered on the design, fabrication, and characterization of multifunctional 3D electrode architectures for energy-storage applications, including electrochemical capacitors, aqueous rechargeable batteries, and all-solid-state 3D batteries.

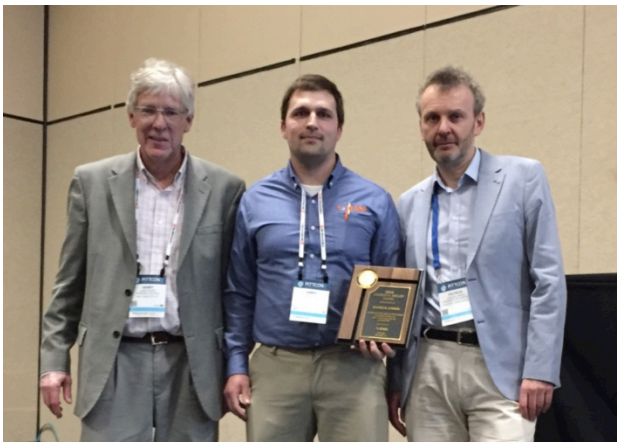
Outside of the laboratory, Dr. Sassin is passionate about making science more accessible to the public and facilitating scientific opportunities for women and under-represented groups. Dr. Sassin has served as the President of the NRL chapter of Women in Science and Engineers (WISE), in which she launched the NRL Science as Art Contest to promote discussion of scientific ideas among the general NRL workforce and facilitate conversations/collaborations between scientists and engineers across different NRL Divisions. From 2014–2017, Dr. Sassin served as the National Vice President of Iota Sigma Pi, an honor society for women in chemistry (11,000+ members), and was in charge of membership and organization of the Triennial Convention of the Society. Currently, she is serving as the National President of Iota Sigma Pi.

Kristin Cline is a Professor of Chemistry at Wittenberg University in Springfield, Ohio. She graduated with a B.S. in mathematics from Texas Lutheran University in 1988. She joined SEAC when she was a graduate student in Rick McCreery's group studying highly ordered pyrolytic graphite and electron transfer kinetics. She received her Ph.D. from The Ohio State University in 1993. At Wittenberg, she teaches general chemistry and analytical courses, and she served as department chair for 11 years. Her research with undergraduates focuses on electrochemistry with glassy carbon modified using diazonium ion chemistry.

PITTCON 2018 – February 25 ~ March 1

Charles N. Reilley and Royce W. Murray Young Investigator Awards Symposium

The highlight of the SEAC activities at Pittcon was the presentation of the 2018 C. N. Reilley Award to **Patrick Unwin**, University of Warwick, and the Royce W. Murray Award to **Parastoo Hashemi**, University of South Carolina. The symposium in their honor was arranged by Henry White, University of Utah, and was held at 1:30 – 4:55 PM on Monday, February 26, 2018, in the Orange County Convention Center, Orlando FL.



Henry White, James Hill and Patrick Unwin

Parastoo Hashemi and Timothy Paschkewitz

(Photo Credits and Copyright Notice: 2018 Petr Vanysek)

Patrick Unwin, Phil Buhlmann and Parastoo Hashemi

(Photo Copyright Notice: 2018 Roy Engelbrecht – royephoto.com)

NEWS FROM MEMBERS

Mohtashim Shamsi, Southern Illinois University at Carbondale, organized a symposium entitled 'Microfluidic Electrochemical Bioanalysis' for the Analytical Division at the 255th ACS National Meeting, New Orleans, Spring 2018. Keynote speakers included Prof. Adam Woolley (Brigham Young University) and Prof. Chuck Henry (Colorado State University).

In addition, he invites electroanalytical scientists working in the area of Neuroscience to submit a **title** for contributing a chapter to a book he is editing with Prof. Michael Johnson (University of Kansas). The titles should be submitted by July 5th at mshamsi@siu.edu.

Pine Research Instrumentation (Durham, NC) is excited to announce their newest potentiostat, shipping this fall. Electrochemical Impedance Spectroscopy (EIS) is a new offering from Pine Research.

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***
GRC in Bioanalytical Sensors	2018, June 24–29	Newport, RI	http://www.grc.org/programs.aspx?id=13734
Electrochemistry at Nano-interfaces: Faraday Discussion	2018, June 26–28	Bath, UK	http://rsc.li/nanointerfacesfd2018
3rd International Summer School on Multifunctional Smart Coatings and Surfaces	2018, July 16–20	Aveiro, Portugal	http://multismartcoatsurf.web.ua.pt/
Gordon Research Conference on Ionic Liquids	2018, Aug 12–17	Newry, ME	https://www.grc.org/ionic-liquids-conference/2018/
XL Annual Workshop on Electrochemical Measurements	2018, Aug 13–17	Cleveland, OH	http://chemistry.case.edu/research/yces/
256th ACS National Meeting	2018, Aug. 19–23	Boston, MA	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/ise-conferences/next_ISE-meetings.php
EUROCORR 2018	2018, Sept 9–13	Krakow, Poland	http://eurocorr2018.org
Electrochem 2018	2018, Sept 16–18	Lancaster, UK	http://www.lancaster.ac.uk/electrochem2018/
AiMES 2018	2018, Sept. 30–Oct. 4	Cancun, Mexico	http://www.electrochem.org/upcoming-meetings/
Amatore International Symposium on Electrochemistry for Sustainable Development - 2018 Sustainable Industrial Processing Summit	2018, Nov 4–7	Rio de Janeiro, Brazil	https://www.flogen.org/sips2018/
7th Baltic Electrochemistry Conference: Finding New Inspiration	2018, Nov 4–7	Tartu, Estonia	http://bechem2018.ut.ee/home-0
Pittcon 2019	2019, March 17-21	Philadelphia, PA	https://pittcon.org/
257th ACS National Meeting	2019, March 31–April 4	Orlando, FL	https://www.acs.org/content/acs/en/meetings/nationalmeetings/meetings.html
24th ISE Topical Meeting: Electrochemical Assembly at the Meso, Nano and Molecular Scale	2019, April 7–10	Merida, Mexico	http://www.ise-online.org/ise-conferences/next_ISE-meetings.php
25th ISE Topical Meeting: New electrochemical	2019, May 12–15	Toledo, Spain	http://www.ise-online.org/ise-conferences/next_ISE-meetings.php

Meeting	*When*	*Where*	*Link for More Information*
processes for energy and the environment			
235th ECS Meeting	2019, May 26–31	Dallas, TX	http://www.electrochem.org/upcoming-meetings/
Matrafured 2019: International Conference on Electrochemical Sensors	2019, June 16–21	Visegrad, Hungary	http://www.matrafured-conference.bme.hu
70th ISE Annual Meeting: Electrochemistry: Linking Resources to Sustainable Development	2019, Aug 4–9	Durban, South Africa	http://annual70.ise-online.org/index.php
258th ACS National Meeting	2019, Aug. 25–29	San Diego, CA	https://www.acs.org/content/acs/en/meetings/nationalmeetings/meetings.html
236th ECS Meeting	2019, Oct. 13–17	Atlanta, GA	http://www.electrochem.org/upcoming-meetings/
71st ISE Annual Meeting: Electrochemistry towards Excellence	2020, Aug 30–Sept 4	Belgrade, Serbia	http://www.ise-online.org/ise-conferences/next_ISE-meetings.php

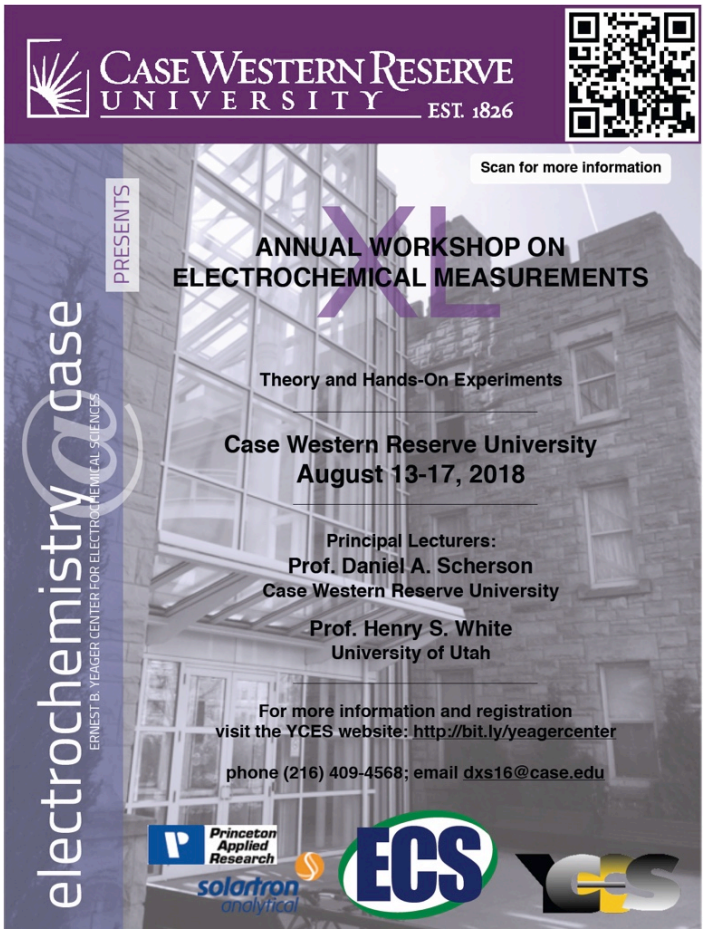
XL Annual Workshop On Electrochemical Measurements: Theory and Hands-On Experiments — Aug. 13-17, 2018

XL Annual Workshop on Electrochemical Measurements will be held at Case Western Reserve University on August 13-17, 2018.

Principal Lecturers:
Prof. Daniel A. Scherson
(Case Western Reserve University)
Prof. Henry S. White
(University of Utah)

Guest Lecturers:
Prof. Uziel Landau
(Case Western Reserve University)
Prof. Mark E. Orazem
(University of Florida)
Prof. Gerald Frankel
(Ohio State University)
Prof. Robert Savinell
(Case Western Reserve University)

All detailed information can be found on the website: http://chemistry.case.edu/research/yces/



JOB OPENINGS

Associate Director for Research – An Open Rank Special Professional Faculty Position at University of Notre Dame: Advanced Diagnostics and Therapeutics

The University of Notre Dame announces a new rank-open special professional faculty position as Professor of the Practice in Advanced Diagnostics & Therapeutics (AD&T) to serve as the Associate Director for Research (AD-R). Duties will span teaching (20%), research (40%), and service (40%). Teaching responsibilities will focus on outreach and multi-PI efforts, especially as it relates to AD&T's translational mission and multi-PI and Research Center projects. Research responsibilities will be executed through opportunities for collaborative research, fitting into the scientific framework of AD&T. The AD-R is expected to identify and apply for funding on behalf of AD&T and may also apply for research grants for collaborative research. Service responsibilities will involve oversight of research administrative functions within AD&T, as well as primary responsibility for developing and maintaining the community around the Initiative and the scientific thrusts of AD&T.

Qualifications

Candidates must have a doctorate with a history of accomplishment in research, whether in the academy, the national labs or industry. In addition, candidates will be expected to have excellent organizational skills, written and verbal communication skills, especially the ability to communicate with audiences with varied backgrounds, as well as exceptional scientific judgment.

Application Instructions

Candidates should send a cover letter, curriculum vitae, and a detailed plan for professional development within the context of AD&T's mission (http://advanceddiagnostics.nd.edu/). Candidates must also arrange to have at least three letters of recommendation sent to the search committee via the application website, although senior applicants can apply in confidence. Review of applications will commence immediately and will continue until suitable candidates are identified.

Equal Employment Opportunity Statement

This appointment is contingent upon the successful completion of a background check. Applicants will be asked to identify all felony convictions and/or pending felony charges. Felony convictions do not automatically bar an individual from employment. Each case will be examined separately to determine the appropriateness of employment in the particular position. Failure to be forthcoming or dishonesty with respect to felony disclosures can result in the disqualification of a candidate. The full procedure can be viewed at http://facultyhandbook.nd.edu/university-policies/background-check-procedure-for-prospective-faculty/.

Equal Opportunity Employment Statement

The University of Notre Dame seeks to attract, develop, and retain the highest quality faculty, staff and administration. The University is an Equal Opportunity Employer, and is committed to building a culturally diverse workplace. We strongly encourage applications from female and minority candidates and those candidates attracted to a university with a Catholic identity. Moreover, Notre Dame prohibits discrimination against veterans or disabled qualified individuals, and requires affirmative action by covered contractors to employ and advance veterans and qualified individuals with disabilities in compliance with 41 CFR 60-741.5(a) and 41 CFR 60-300.5(a).

SPECIAL THANKS TO OUR SPONSORS!

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 but the first year is free! 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.