SEAC*communications*

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Editors

Philippe Buhlmann
Department of Chemistry
University of Minnesota
Minneapolis, MN
buhlmann@umn.edu

J. Faye Rubinson
Department of Chemistry
Georgetown University
Washington, DC
jfr@georgetown.edu

Regional Editors

Alan Bond
Professor Alan M. Bond
School of Chemistry
Monash University
Victoria 3800, Australia
a.bond@sci.monash.edu.au

Karl Cammann
Westfälische Wilhelms Universität
D-4400 Münster, Germany
Cammann@uni-muenster.de

Yoshio Umezawa
Research Institute of Pharmaceutical Sciences
Musashino University
1-1-20 Shinmachi, Nishitokyo-shi
Tokyo 202-8585, Japan
umezawa@musashino-u.ac.jp

SEAC Web Editor

Samuel Kounaves
Department of Chemistry
Tufts University
Medford, MA 02155
samuel.kounaves@tufts.edu

The Society for Electroanalytical Chemistry - 111 Loren Place, West Lafayette, IN 47906

Available on the WWW at http://electroanalytical.org

PRESIDENT'S MESSAGE

As noted in my earlier message, 2011 has been designated the International Year of Chemistry (IYC) by the International Union of Pure & Applied Chemistry (IUPAC) and the UN Educational, Scientific and Cultural Organization (UNESCO). Many organizations are taking part in these activities including the ACS, the American Association for Clinical Chemistry and the Chemical Heritage Foundation. There will be many activities planned by these, and other, organizations to celebrate chemistry this year. I hope all of you will participate in at least some of these events. The official web site "chemistry2011.org" has been set up to list the events taking place around the world.

As I reflected on the IYC and skimmed through the latest issue of Analytical Chemistry, my mind wandered back to my undergraduate and graduate school days and the amount of chemistry one had to learn in those early days. Its amazing the progress that has been made in all of science, and very much so in chemistry. However, it is a shame that this explosion of knowledge, information and techniques has resulted in the deletion, or reduction, of many aspects of chemistry that were very enjoyable when I began my studies. For example, in the good old days, one could get a good grasp of the state of the art in most areas of analytical chemistry. Nowadays, one can only scratch the surface of all but one's major area of research and maybe a couple of others. On the other hand, the power and diversity of current techniques were the stuff of dreams back in the fifties and sixties. In fact, now when I go into scientific museums, I find on display some of the equipment I used as a student! A case in point is the analytical balance. I remember very clearly using the two-pan balance that required the "method of swings" to get a reading. (Other old-timers will remember this tedious process less than fondly.) In quant lab, one would spend half the time weighing samples in the balance room and the other half actually doing experiments. I can't tell you how excited I was when the lab got its first magnetically damped balance! No more counting swings – what a timesaver! To me, this was comparable to the advances in computers that were occurring around the same time. When I look back, I can't help wondering how much more could have been accomplished with modern equipment. Will the students of today experience similar advances over the next 50 years? I can't conceive of such great advances continuing, but that may only be my lack of imagination.

Dick Durst

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How Easy it is to Become a SEAC Member

PITTCON 2011—MARCH 13–18

Charles N. Reilley and Young Investigator Awards Symposium

The highlight of SEAC activities at Pittcon will be the presentation of the 2011 C. N. Reilley Award to Professor Richard Van Duyne of Northwestern University and the Young Investigator Award to Jill Venton of University of Virginia. The symposium in their honor has been arranged by Andrew Ewing, University of Gothenburg and will be held 2:00 to 5:20 PM on Monday, March 14, 2011, in Room 312 of the Georgia World Congress Center.

2:00 PM Introductory Remarks – Andrew Ewing
2:05 PM Presentation of the 2011 Charles N. Reilley Award to Richard Van Duyne
2:10 PM Surface Enhanced Raman Spectroelectrochemistry, Richard Van Duyne, Northwestern University
2:45 PM The Application of Scanning Electrochemical Microscopy in the Development of Photoelectrochemical Systems, Allen Bard, University of Texas at Austin
3:20 PM Holding Au Nanoparticles on Electrodes with Poly-ion Interactions, Royce Murray, University of North Carolina
3:55 PM Recess
4:05 PM Presentation of the 2011 Young Investigator Award to Jill Venton
4:10 PM Electrochemical Sensors for Real-time Detection of Endogenous Neurotransmission in the Fruit Fly Brain, B. Jill Venton, University of Virginia
4:45 PM Iontophoresis Monitored by Cyclic Voltammetry: A Quantitative Nano-volume Drug Delivery System, R. Mark Wightman, University of North Carolina at Chapel Hill

Other SEAC activities at Pittcon

The brief Annual Business Meeting will follow the Charles N. Reilley and Young Investigator Awards Symposium for about 10 minutes. Please plan to stay for the meeting, as it is required of all tax-exempt organizations. Prospective members and guests are welcome to attend the business meeting.

The reception for awardees Professor Van Duyne and Professor Venton will be held on Monday, March 14 from 5:30 to 7 PM at the Gordon Biersch Brewery and Restaurant at 848 Peachtree Street NE, Atlanta, GA. The reception is open to all and reservations are not necessary. Hors d'oeuvres will be provided with a cash bar.

The Reilley Award dinner will be held immediately following the reception (7 PM), again at the Gordon Biersch Brewery and Restaurant. The **dinner is open to members and guests, but advance reservations are required**. For reservations, please contact SEAC Activities Chair, Shelley Minteer (minteers@slu.edu) by **March 1, 2011**. The charge for the banquet is $55/person. If you attend the dinner, please bring the dinner fee in **cash** or **check**, because we will not be able to pay with separate credit cards.

The Board of Directors Meeting is Monday, March 14 from 11:30 to 1:30 PM in Room B208 at the Georgia World Congress Center. The meeting is open to current and former Board Members, Officers and Committee Members. If any Member has concerns or suggestions for the Society, please contact SEAC President Richard Durst (rad2@cornell.edu), so they may be addressed during the Board Meeting. A light meal will be served during this working lunch session (voluntary contributions of $20 appreciated). If you plan to attend, please contact Faye Rubinson (jfr@georgetown.edu) by **5 PM February 18th for your lunch reservation**.

Monday morning, March 14, is the SEAC poster session in Blue Area on Exposition Floor - Hall B, Aisles 3900-4500.

Electrochemistry Sessions at Pittcon

Electrochemistry at Nanoscale and at Nanoparticles
Sunday, March 13th, 2011, 1:00 PM Room: 314

Ionophore-based Chemical Sensors I & II
Monday, March 14th, 2011, 8:00 AM and 2:00 PM Room: 311
CE-Bioanalytical I & II
Monday, March 14th, 2011, 8:00 AM and 2:00 PM Room: 406
Charles N Reilley and Young Investigator Awards – SEAC
Monday, March 14th, 2011, 2:00 PM Room: 312

Electrochemistry: Method Development
Tuesday, March 15th, 2011, 8:00 AM Room: 407
CE Separation Strategies
Tuesday, March 15th, 2011, 8:00 AM Room: 406
Advanced Carbon Materials for Microanalysis and Microfabrication
Tuesday, March 15th, 2011, 2:00 PM Room: 310
Bioanalytical Electrochemistry
Tuesday, March 15th, 2011, 2:00 PM Room: 405
Electrochemistry: Electrodes and Sensors
Tuesday, March 15th, 2011, 2:00 PM Room: 407

Bioelectrocatalysis: From Bioanalytical Sensors to Bioenergy
Wednesday, March 16th, 2011, 8:00 AM Room: 315
Bioanalytical Electrochemistry and Biosensors
Wednesday, March 16th, 2011, 2:00 PM Room: 405

Electrochemical Analysis in Neuronal Systems
Thursday, March 17th, 2011, 8:00 AM Room: 312
Electrochemical Microscopy and Electrochemical Methods for Materials Characterization
Thursday, March 17th, 2011, 8:00 AM Room: 405
Versatility of Electrochemical Analysis
Thursday, March 17th, 2011, 2:00 PM Room: 217

Electrochemistry Poster Sessions at Pittcon

SEAC Poster Session - Electroanalytical Chemistry
Monday, March 14th, 2011, Room: Blue Area on Exposition Floor - Hall B, Aisles 3900-4500
Bioanalytical Electrochemistry
Monday, March 14th, 2011, Room: Blue Area on Exposition Floor - Hall B, Aisles 3900-4500
Bioanalytical Applications of Capillary Electrophoresis
Monday, March 14th, 2011, Room: Red Area on Exposition Floor - Hall B, Aisle 400

Electrochemistry: Method Development and Applications
Tuesday, March 15th, 2011, Room: Red Area on Exposition Floor - Hall B, Aisle 400
Ionophore-based Chemical Sensors Poster Session
Tuesday, March 15th, 2011, Room: Red Area on Exposition Floor - Hall B, Aisle 400

Capillary Electrophoresis Applications
Wednesday, March 16th, 2011, Room: Red Area on Exposition Floor - Hall B, Aisle 400

STUDENT TRAVEL AWARD WINNERS

And a round of applause for the students chosen to receive travel awards to present their work at Pittcon this year. The SEAC Graduate Student Travel Grants, sponsored by CH Instruments (Peixin He), Pine Instruments (Frank Dalton), Metrohm Autolab B.V. (Maarten Van Brussels), Gamry Instruments (Jacob Ketter), Fuel Cell Technologies (Charles "Chuck" Derouin), and Ametek-AMK Scientific Instruments (Ari Tampasis) are awarded to promising graduate students to offset the cost of travel to the Pittsburgh Conference to deliver an oral presentation in a Conference symposium. Recipients of SEAC travel awards for Pittcon 2011 are:

Ms. Chiao-Chen Chen (Dept. of Chemistry, Indiana University, advisor: Lane A. Baker)
Ms. Melissa Maurer-Jones (Dept. of Chemistry, University of Minnesota; Christy Hanes)
Ms. Leyda Z. Lugo-Morales (Dept. of Chemistry, N. Carolina State University; Leslie Sombers)
Mr. Paul Walsh (Dept. of Chemistry, University of North Carolina-Chapel Hill; Mark Wightman)
Ms. Trisha Vickrey (Dept. of Chemistry, University of Virginia; Jill Venton).

Congratulations to all of them! If you happen to meet any of our sponsors in person, please give them a warm thank you.

AWARD NOMINATIONS—DEADLINE FAST APPROACHING

Award nominations should be submitted as a single pdf file to Prof. Mark Meyerhoff (Department of Chemistry, University of Michigan, Ann Arbor, MI 48109; mmeyerho(at)umich.edu). For further information see http://electroanalytical.org/awards.html#submission

Charles N. Reilley Award

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. The signature of his research was to decline empiricism, seeking a basic understanding of measurements and detection schemes. Reilley recognized that measuring things is at the heart of modern chemistry. Reilley is central in the history of the Society for Electroanalytical Chemistry, which was formed following his death in 1981, as a vehicle for managing the award.

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 vita 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 2012 Award will be based upon the material that is available to the Award Committee by the 11 March 2011.**

SEAC Young Investigator Award

For the *SEAC Young Investigator Award* nominees must be within ten years of obtaining their Ph.D. or other terminal degree at the time of nomination. 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 curriculum vitae for the

individual. All nomination materials will be retained by SEAC. Candidates for the YI Award must be renominated each year during their period of eligibility. **Nominations for the 2012 YI award are due by 11 March 2011**.

NEW BOARD MEMBERS (2011-2016)

David Cliffel is an Associate Professor of Chemistry at Vanderbilt University where he has secondary appointments in the Department of Pediatrics and with the Diabetes Research and Training Center and the Integrative Cancer Biology Center within VUMC. He is a faculty fellow in the Vanderbilt Institute for Integrative Biosystems Research and Education, and a member of the Steering Committee in the Vanderbilt Institute of Nanoscale Science and Engineering where he oversees the Biomolecular Nanostructures Laboratory Facility. He received a BS in Chemistry and a Bachelor of Electrical Engineering from the University of Dayton in 1992. He received his Ph.D. in chemistry in 1998 from the University of Texas at Austin under the direction of Professor Allen J. Bard, and did postdoctoral work with Professor Royce W. Murray at the University of North Carolina as a postdoctoral associate working on the electrochemistry of monolayer protected clusters. His current research concentrates on the electrochemical analysis of nanoparticles and of biological cells using scanning electrochemical microscopy, and has developed the multianalyte microphysiometer for metabolic profiling and toxicology.

David Cunningham is a Volwiler Associate Research Fellow in the Diagnostics Division of Abbott Laboratories. He received his Ph.D. in Chemistry from the University of Cincinnati under the supervision of Dr. Harry B. Mark, Jr. He worked on enzyme electrodes at Universal Sensors in New Orleans under the direction of Dr. George G. Gilbault for three years prior to moving to Abbott in 1989. His current responsibilities involve on-market product support of immunoassay reagent manufacturing and new technology assessment. Recent external activities include publications in the area of glucose sensing and service on NIH and NSF review panels.

Jill Venton is an Assistant Professor in the Department of Chemistry and Neuroscience Graduate Program at University of Virginia. She received her Ph.D. under the direction of Mark Wightman at University of North Carolina. She was an NIH postdoctoral fellow under the supervision of Robert Kennedy at University of Michigan. Her research interests focus on the development of microelectrodes and applications of electrochemistry to real-time detection of neurochemicals. Specifically, her lab electrochemically monitors adenosine dynamics in the brain, measures dopamine and serotonin signaling in fruit flies, and develops microelectrochemical detectors for capillary electrophoresis applications. She is the recipient of the 2011 SEAC Young Investigator Award.

MEETINGS TO COME

Meetings of interest to our SEAC members abound during the coming year, with symposia being organized by some among us. (Detail on these provided below the table.)

Meeting	***When***	***Where***	***Link for More Information***
2nd Electrochemistry Conference (Zing Conferences)	2011, February 16-19	Sharm el Sheikh, Egypt	http://www.zingconferences.com/z.cfm?c=67
3rd Annual Workshop on Electrochemistry	2011, February 19-20	Austin, TX, USA	http://cec.cm.utexas.edu/events
Pittcon 2011	2011, March 13-18	Atlanta, GA, USA	http://www.pittcon.org/
American Chemical Society Spring Meeting	2011, March 27-31	Anaheim, CA, USA	http://portal.acs.org/
219th ECS Meeting	2011, May, 1-6	Montreal, Canada	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
XXI Int. Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society	2011, May 8-12	Cracow, Poland	http://www.ik-pan.krakow.pl/XXI-International-Symposium-on-Bioelectrochemistry-and-Bioenergetics.335.0.html
9th ISE Spring Meeting	2011, May 8-11	Turku, Finland	http://spring11.ise-online.org/
ICAS 2011, International Congress on Analytical Sciences	2011, May 22-26	Kyoto, Japan	http://www.icas2011.com/
Electrochemistry in Nano Structuration of Substrates and Energy	2011, May 23-26	Paris, France	http://www.univ-paris-diderot.fr/elecnano/index.html
Shikata Discussion 2011, International Symposium of Electroanalytical Chemistry	2011, May 27-29	Awaji Yumebutai, Japan	http://www.sd2011.org/index.html
9th International Micro-symposium on Electro-chemical Impedance Analysis	2011, June 2-5	Otok Sv. Andrija/Roviny, Croatia	http://eia-2011.irb.hr/
Matrafured 2011 Conference on Electrochemical Sensors	2011, June 19-24	Dobogokö, Hungary	http://www.pretsch.ethz.ch/matrafured/
13th International Symposium on Electroanalytical Chemistry (ISEAC)	2011, August 19-24	Changchun, China	http://iseac.ciac.jl.cn
American Chemical Society Fall Meeting	2011, August 28-September 1	Colorado, CO, USA	http://portal.acs.org/
62nd Annual ISE Meeting	2011, September 11-16	Niigata, Japan	http://event11.ise-online.org/
Electrophoretic Deposition IV:Fundamentals and Applications	2011, October 2-7	Puerto Vallarta, Mexico	http://www.engconfintl.org/11ab.html
220th ECS Meeting	2011, October, 9-14	Boston, MA, USA	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm

Meeting	*When*	*Where*	*Link for More Information*
Gordon Conference Electrochemistry	2012, January 8-13	Ventura, CA, USA	http://www.grc.org/programs.aspx?year=2012&program=elecchem
Pittcon 2012	2012, March 11-16	Orlando, FL, USA	http://www.pittcon.org/
American Chemical Society Spring Meeting	2012, March 25-29	San Diego, CA, USA	http://portal.acs.org/
10th ISE Spring Meeting	2012, April 16-19	Perth, Australia	http://www.ise-online.org/annmeet/next_meetings.php
221st ECS Meeting	2012, May, 6-11	Seattle, WA, USA	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
11th ISE Spring Meeting	2012, May 23-25	Washington DC, USA	http://www.ise-online.org/annmeet/next_meetings.php
Gordon Conference Bioelectrochemistry	2012, July 1-6	Lucca (Barga), Italy	http://www.grc.org/programs.aspx?year=2012&program=bioelec
Gordon Research Conference on Electrodeposition	2012, July 29-August 3	New London, NH, USA	http://www.grc.org/programs.aspx?year=2012&program=elecdep
American Chemical Society Fall Meeting	2012, August 19-23	Philadelphia, PA, USA	http://portal.acs.org/
63rd Annual ISE Meeting	2012, August 19-24	Prague, Czech Republic	http://www.ise-online.org/annmeet/next_meetings.php

"Unleashing Electrochemistry's Potential: Resistance is Futile" Symposium at ACS Spring Meeting (Anaheim CA, March 27–31)

The Graduate Student Symposium Planning Committee (GSSPC) of the American Chemical Society is organizing a graduate student-run symposium that will be held at the 2011 National ACS Meeting in Anaheim, California. The title of their symposium is "Unleashing Electrochemistry's Potential: Resistance is Futile." The goal is to connect young researchers with distinguished speakers who have been pushing the limits of electrochemistry throughout their careers. They have recruited Allen J. Bard, Andrew Ewing, William Heineman, Julie Macpherson, Charles Martin, and Henry White as speakers but are still looking for individual and coorporate sponsors. For more information check http://gsspc.cm.utexas.edu/ or contact the organizers at gsspc@cm.utexas.edu.

Schedule Announced for the 2011 Workshop on Electrochemistry

Each year in Austin, Texas, the Workshop on Electrochemistry brings together experts in fields of engineering, materials, and electrochemistry to focus on topics in 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 third annual Workshop will be held February 19-20, 2011. The workshop is hosted by the Center for Electrochemistry. Specific topics include photoelectrochemistry, electrodeposition and electrosynthesis, industrial electrochemistry, and new electrochemical techniques. This year, speakers include **Frank Endres**, *Technische Universität Clausthal,* **Reginald Penner**, *University of California, Irvine,* **Kyoung-Shin Choi**, *Purdue University,* **Tony Gallo and John Jameson**, *Adesto Technologies Corporation,***Stephen Mazur**, *E. I. du Pont de Nemours & Company,* **Luciano Lacopetti**, *Industrie De Nora S.p.A.,* **John Turner**, *National Renewable Energy Laboratory,* **Michael Graetzel**, *École Polytechnique Fédérale de Lausanne,* **Prashant Kamat**, *University of Notre Dame,* **YuYe Tong**, *Georgetown University, and* **Bo Zhang**, *University of Washington.* A detailed schedule and registration information is available at http://cec.cm.utexas.edu/electrochemistry-workshop-2011.

These exclusive workshops feature scientists and researchers from top universities, national laboratories, and electrochemical industries discussing cutting-edge electrochemical science. The workshops are held at the AT&T Executive Education and Conference Center on the campus of the University of Texas at Austin. The meeting venue includes state-of-the-art technology and communication services, comfortable accommodations, high speed internet access, digital TV programming, and access to the fitness center.

The workshop location is near to the many recreational and cultural attractions of the Austin Hill Country. The Austin campus is the site of 17 libraries and several world-class museums, and just a short walk or ride away from central Austin attractions: the Bob Bullock Texas History Museum, the Texas State Capitol, Congress Avenue, and the 6th Street and Warehouse shopping and entertainment districts. Known as "The Live Music Capital of the World," Austin is a vibrant mix of Texas friendliness and cosmopolitan sophistication, with opportunities for outdoor recreation activities. The weather in Austin during February can be cool, but is generally mild: the average high is 65 F (18 ºC) and the average low is 44 F (7 ºC).

JOB OPENINGS

Center for Electrochemistry at the University of Texas Austin

The Center for Electrochemistry announces that graduate student fellowships are available for incoming first-year graduate students wishing to pursue a Ph.D. in Chemistry, Materials Science, or Engineering with special emphasis in electrochemical science and technology at the University of Texas at Austin. Eligible candidates must have completed their B.S. degree, or be in their final year of study as undergraduates, or in the completion of a M.S. degree as graduates in science or engineering disciplines.

Fall 2011 fellows may receive up to $6,000 for the 2011-2012 academic year. Admission decisions will be based on a combination of undergraduate grades, GRE scores, undergraduate research accomplishments, letters of recommendation, and a desire to pursue a career in electrochemical science and technology. Applications for 2011-2012 fellowships are now open at http://cec.cm.utexas.edu/fellowships. Fellowship applications must be received by March 20, 2011 in order to be considered for the coming fall term.

University of Wyoming

Bruce Parkinson has been appointed the J. E. Warren Professor of Energy and Environment at the University of Wyoming. The endowment for this Chair provides funds for the recruitment and education of a graduate student. A deserving student will be awarded the J. E. Warren Graduate Fellowship with a stipend of $30,000 per year for up to four years. Suitable candidates that would be interested in this Fellowship to study solar energy conversion in Bruce's group at the University of Wyoming may apply to Bruce Parkinson directly:

Professor Bruce Parkinson (bparkin1@uwyo.edu)
J. E. Warren Professor of Energy and Environment
Department of Chemistry and School of Energy Resources, University of Wyoming
Laramie, Wyoming 82071

UCLA, Postdoctoral/Senior Staff Fellows: The Role of Serotonin Neurotransmission in Anxiety and Mood

Two positions are available for postdoctoral or senior staff fellows with or nearing completion of a Ph.D. in chemistry, neuroscience, immunology, physiology, psychology, bioengineering, or a related field. Priority will be given to individuals with research experience in neurotransmitter sensing, preferably by voltammetry methods, *e.g.*, amperometry, chronoamperometry, and fast cyclic voltammetry. One position is focused on optimizing and utilizing *in vivo* voltammetric sensing methods for monoamine neurotransmission in experimental animal models. The other position is directed toward investigating serotonin transporter function in peripheral blood cells obtained from human psychiatric populations.

Both positions include opportunities to develop creative lines of investigation geared toward the major goals of the laboratory, to attend national and international scientific meetings, to apply for independent funding and training grant opportunities, and to grow professionally toward an independent career. Candidates will be ready to step into leadership roles providing guidance for graduate and undergraduate students and should possess exemplary written and oral communication skills.

The goal of the Andrews' group is to advance scientific knowledge regarding how the serotonin system modulates complex behaviors including anxiety, mood, stress responsiveness, and learning and memory. Genetic and pharmacologic animal models are used in conjunction with samples from human patients to investigate the molecular correlates of serotonergic function associated with the etiology and treatment of mood and anxiety disorders. Our state-of-the-art laboratories are located at the University of California, Los Angeles.

Applicants should send a CV including contact information for professional references to Professor Anne M. Andrews at aandrews@mednet.ucla.edu. A letter of interest briefly highlighting relevant skills, past achievements, and current research goals along with Information on current citizenship and/or U.S. visa status should be included. While these positions are fully funded, preference will be given to candidates who are eligible to apply for United States federal funding.

MEMBER NEWS: STAR OF THE FUTURE

… and Sam Perone wrote to us about a rather unusual outreach publication from the electroanalytical community:

I'm very excited to announce that my Children's Book--- Star of the Future ---has just been published!

The book has 35 chapters and 37 B/W illustrations. Cover graphics are imprinted directly on the hard and soft covers---perfect for kids. (I have sample copies, and they look great!). The book targets the 9 to 12 year age group, and I've gotten wonderful feedback from young reviewers, some of which used the book for school assignments. Adult reviewers found it engaging and a good read-aloud book for younger children.

You might find it an attractive gift idea for young children, grandchildren, nieces and nephews.

Orders for Star of the Future (deliverable before Christmas) can be placed on my website, www.samperone.com . Kindle and other e-book versions will soon be available from online booksellers .

Thanks for your interest in my work. Best regards, Sam Perone

OTHER NEWS FROM MEMBERS

Pete Peterson reports that he has accepted a new position with Ivium Technologies, which designs and manufactures a wide range of potentiostats, as well as a multiplexer and a current booster. Ivium is based in The Netherlands and Pete will be introducing the US to Ivium, and vice versa! You can reach him at 800-303-3885 or 215-913-0266, pete@ivium.us, or hwww.ivium.us.

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 fill out the downloadable membership form.