



ECS Staff News

KIM MILEC joined the ECS in staff as Director of Finance in June. Kim graduated from Rider University (New Jersey) with a Masters of Accountancy. Prior to joining ECS, she worked at a public accounting firm where she was responsible for preparing annual tax returns for individuals and corporations (profit and not-for-profit). She prepared financial reports and did tax planning and business valuations.

Prior to her employment at the public accounting firm, Kim worked for over 7 years as the Director of Business Operations for GMP Publications, Inc. She was responsible for inventory control, financial planning, and budgeting. Her newest adventures will be obtaining her certification as a Public Accountant (CPA) and Fraud Examiner (CFE).

"Kim brings an array of skills and experience to her position as the ECS Director of Finance," said Roque Calvo, ECS Executive Director. "We anticipate she'll make significant improvements to our accounting systems that will enable us to more effectively use the numbers to set the strategic direction for ECS."

Corporate Member News



UTC Power

A United Technologies Company

Spotlight UTC Power

This quarter we would like to focus on one of our loyal meeting sponsors and corporate member, **UTC POWER**, a Sponsoring Level member since 2000. UTC Power, a United Technologies Corp. (NYSE:UTX) company, is a full-service provider of environmentally-responsible power solutions. With 50 years of experience, UTC Power is the world leader in developing and producing fuel cells for on-site power, transportation, space, and defense applications. The company has installed more than 260 stationary fuel-cell systems for customers in 19 countries. UTC Power will supply 12 of its new PureCell® Model 400 stationary fuel cell system for the Freedom Tower and three other towers under construction at the World Trade Center site in New York. The company works with several of the world's major automobile manufacturers, as well as the U.S. Department of Energy, on auto fuel-cell development and demonstration programs. UTC Power also designs and builds zero-emission fuel-cell power systems for transit bus programs in the United States and Europe. Since 1966, the company's fuel cells have provided the electric power and crew drinking water on all U.S. manned space flights. Learn more about the company by visiting www.utcpower.com.

If your organization is interested in supporting ECS and receiving the benefits of corporate membership, please contact Amir Zaman, Director of Membership and Development, at amir.zaman@electrochem.org or 609.737.1902, ext. 103.

New Division Officers

New officers for the 2008-2010 term have been elected for the following Divisions.



Battery Division

Chair

Nancy Dudney

Vice-Chair

Zempachi Ogumi

Secretary

Arumugam Manthiram

Treasurer

Bor Yann Liaw

Members-at-Large

Christopher Johnson

Robert Kostecki

Marshall Smart

Venkat Subramanian



Corrosion Division

Chair

Alison Davenport

Vice-Chair

Doug Hansen

Secretary/Treasurer

Shinji Fujimoto

Member-at-Large

Sanna Virtanen



Sensor Division

Chair

Jing Li

Vice-Chair

Zoraida Aguilar

Secretary

Michael Carter

Treasurer

Eric Brosha

Members-at-Large

William Buttner

Jerry Hu

Christian Mutale

Larry Nagahara

Letter to the Editor

To the Editor:

While the article on "Pillars of Modern Electrochemistry" in the fall 2008 issue provides a useful, interesting, and informative account of the subject, I note with dismay the omission of the late Norbert Ibl, the late Charles Tobias, and John Newman (now celebrating his 70th birthday). Their various fundamental contributions to electrochemical engineering science, and most notably, to electrochemical transport phenomena, should place them, in my opinion, among the distinguished names the article contains.

Thomas Z. Fahidy, FEChemS
Distinguished Professor Emeritus
University of Waterloo



DS&T Division Presents Awards at PRiME 2008



During the PRiME 2008 meeting in Hawaii in October, **Koji Kita** (right) received an award from the DS&T Division for the best paper presentation in the High Dielectric Materials and Gate Stack Symposium, which was held in Washington, DC (fall 2007). He received the award from **Z. Karim** (left) of Aixtron AG, which was one of the co-sponsors of the award. The award comes with a certificate and a check of \$1,000.



Also during the PRiME 2008 meeting, **R. M. Wallace** (far right), on behalf of his student, C. Driemeier, received an award received for the best ECS *Transactions* manuscript in the High Dielectric Materials and Gate Stack Symposium, which was held in Washington, DC (fall 2007). He received the award from **Z. Karim** (center) of Aixtron AG, which is one of the co-sponsors of the award. **S. Kar** (far left), the lead organizer, looks on. The award comes with a certificate and a check of \$1,000.

ECS Cosponsored Conferences for 2009

In addition to the regular ECS biannual meetings, ECS, its Divisions, and Sections cosponsor meetings and symposia of interest to the technical audience ECS serves. The following is a list of the cosponsored meetings for 2009.

- **ISTC/CSTIC 2009**, March 19-20, 2009, Shanghai, China, semiconchina.semi.org/cistc
- **7th Spring Meeting of the International Society of Electrochemistry**, March 25-29, 2009, Szczyrk, Poland, spring09.ise-online.org
- **XVII Simposio Brasileiro de Eletroquímica e Eletroanalítica**, April 19-23, 2009, Fortaleza, Brazil, xviisibee.dqoi.ufc.br
- **6th International Conference on Silicon Epitaxy and Heterostructures**, May 17-22, 2009, Santa Monica, CA, USA
- **American Chemical Society Central Regional Meeting**, May 20-24, 2009, Cleveland, Ohio, USA, www.case.edu/cermacs
- **11th Fischer Symposium on Microscopy in Electrochemistry**, July 26-30, 2009, Benediktbeuern, Germany, www.physik.tu-muenchen.de/lehrstuehle/E19
- **69th Annual Meeting of the International Society of Electrochemistry**, August 16-21, 2009, Beijing, China, event09.ise-online.org
- **2009 Fuel Cell Seminar & Exposition**, November 16-20, 2009, Palm Springs, CA, USA, www.fuelcellseminar.com

To learn more about what an ECS cosponsorship could do for your conference, including information on ECS's publishing of proceeding volumes for co-sponsored meetings, or to request an ECS cosponsorship of your technical event, please contact Amir Zaman, Director of Membership and Development, at amir.zaman@electrochem.org or 609.737.1902, ext. 103.

Electrodeposition Division Presents Research Award



GERY STAFFORD (left), chair of the Electrodeposition Division, presented the Division's Research Award to **OLAF MAGNUSSEN**, at the Division's luncheon and business meeting in Hawaii, during PRiME 2008. The award is given annually to recognize outstanding research contributions to the field of electrodeposition.

In the **NEXT** issue of **INTERFACE**

- The magazine takes a look at the **TOP-CITED ARTICLES** from the *Journal of The Electrochemical Society*. Articles will look at how the original papers influenced subsequent developments in a given field, and will include current-day perspectives on these classic works.
- ECS members **ADAM HELLER** and **C. GRANT WILLSON** were awarded the **NATIONAL MEDAL OF TECHNOLOGY AND INNOVATION**. The next issue will highlight their achievements as well as those of other ECS members who were awarded the Medal in the past.
- The **SPECIAL MEETING SECTION** for the spring 2009 ECS meeting in San Francisco, California will give prospective meeting attendees a first look at the program, including featured speakers and award winners.



Spotlight on the IE&EE Division



The ECS IE&EE DIVISION OUTREACH PROGRAM winning team—United Asians—from Kaimuki High School, is shown above along with ECS facilitators. From left to right, kneeling are: KHS students **YEONG HEON LEE**, **MICHAEL VO**, **ZHAO JI ZHANG**, and **JUDE GEYROZAGA**. Standing, left to right, are: **DARREN SANTOS** (KHS), **VIJAY RAMANI** (Illinois Institute of Technology), **WALTER AU** (KHS), **DENNIE MAH** (DuPont Company), **BRYAN BOGGS** and **GERARDINE BOTTE** (both from Ohio University), and **JAVIT DRAKE** (Procter & Gamble Company).



Professor **JOHN NEWMAN** celebrated his 70th birthday along with his family – son Michael, wife Lan, and daughter Natalie.

The Industrial Electrochemistry and Electrochemical Engineering (IE&EE) Division successfully completed its fifth volunteer **OUTREACH PROGRAM** during the recent PRiME Meeting in Honolulu, Hawaii. Participating in the program were: Gerardine Botte and graduate students Bryan Boggs, Rebecca King, and Deepika Singh (all from Ohio University); Vijay Ramani and graduate students Satheesh Sambandam and Panagiotis Trogladas (all from Illinois Institute of Technology); Javit Drake, Procter and Gamble Company; and Dennie Mah, DuPont Company.

The event took place at the Kaimuki High School (Go Bulldogs!), a local Honolulu public school, under the guidance of Matt Dillon, physics teacher; Ali Inouye, Acting Science Specialist; and Penny Tom, KHS Principal. Fifty students participated in a fuel cell car competition designed to introduce the youth to new electrochemical technology and its potential future impact on our everyday life by employing active learning techniques.

The IE&EE Division is pleased to announce that **PRABIR BARPANDA** (Rutgers University, NJ) was selected to receive the 2009 H. H. Dow Memorial Student Achievement Award; and that Paul Albertus (University of California, Berkeley, CA) was selected to receive the 2009 Student Achievement Award at the upcoming 2009 Spring San Francisco ECS meeting.

The IE&EE Division led two symposia entitled **TUTORIALS IN ELECTROCHEMICAL ENGINEERING IN HONOR OF PROFESSOR JOHN NEWMAN'S 70TH BIRTHDAY** and **ELECTRODES FOR INDUSTRIAL ELECTROCHEMISTRY**. Professor Newman's symposium was followed by a well-received reception to celebrate his 70th birthday. The event was sponsored by the IE&EE, Battery, Energy Technology, and PAED Divisions; and James A. Trainham, Vice President Science & Technology, PPG Industries.

The IE&EE Division announced that FuelCell Energy, Inc. will receive the **2009 NEW ELECTROCHEMICAL TECHNOLOGY (NET) AWARD** at the ECS 2009 Spring meeting in San Francisco for their Direct Carbonate FuelCell® (DFC®) technology. All sponsoring organizations of commercial, new electrochemical technology are invited to submit their nominations for the 2011 NET Award. Please contact Dennie T. Mah, doctor_electro@msn.com for further information.

Submitted by Dennie T. Mah, IE&EE Division Past Chair

SOCIETY NEWS

Errata

In the fall 2008 issue, on page 29, the wrong names appeared in the list of Division officer slates. The slate that was labeled "Fullerenes, Nanotubes, and Carbon Nanostructures" was actually the slate of the Sensor Division. The slate that was labeled "Industrial Electrochemistry and Electrochemical Engineering" was actually the slate of the Corrosion Division. This has been corrected in the online edition.



In addition, on page 33 of the fall 2008 issue, the picture labeled as "Robert Bunsen" is incorrect; the correct image appears here. This has been corrected in the online edition.

Looking for Section News

ECS takes an active interest in Section News, and is always interested in hearing about your activities.

Send your news to:



65 South Main Street
Pennington, NJ 08534-2839, USA
Email: interface@electrochem.org

www.electrochem.org

ECS Division Contacts



Battery

Nancy Dudney, Chair
Oak Ridge National Laboratory
dudneynj@ornl.gov • 865.576.4874 (USA)

Zempachi Ogumi, Vice-Chair Bor Yann Liaw, Treasurer
Arumugam Manthiram, Secretary C. F. Holmes, Division Advisor



Corrosion

Alison Davenport, Chair
University of Birmingham
a.davenport@bham.ac.uk • 1214145191 (UK)

Doug Hansen, Vice-Chair G. S. Frankel, Division Advisor
Shinji Fujimoto, Secretary/Treasurer



Dielectric Science and Technology

Durga Misra, Chair
New Jersey Institute of Technology
dmisra@njit.edu

K. Sundaram, Vice-Chair D. Landheer, Treasurer
O. Leonte, Secretary J. C. Flake, Division Advisor



Electrodeposition

Gery R. Stafford, Chair
NIST
gery.stafford@nist.gov • 301.975.6412 (USA)

C. Bonhote, Vice-Chair H. Deligianni, Treasurer
G. Zangari, Secretary C. J. Bruckner-Lea, Division Advisor



Electronics and Photonics

Albert Baca, Chair
Sandia National Laboratories
agbaca@sandia.gov • 505.844.7127 (USA)

P. Chang, First Vice-Chair Y. Kuo, Second Vice-Chair
A. Hoff, Secretary F. Ren, Treasurer
M. Jamal Deen, Division Advisor



Energy Technology

K. Zaghib, Chair
Hydro Québec
zaghib.karim@ireq.ca • 450.652.8019 (Canada)

S. R. Narayanan, Vice-Chair J. St-Pierre, Secretary
J. P. Meyers, Treasurer A. Srivastava, Division Advisor



Fullerenes, Nanotubes, and Carbon Nanostructures

Dirk Guldi, Chair
University of Erlangen-Nurnberg
dirk.guldi@chemie.uni-erlangen.de (Germany)

R. Bruce Weisman, Vice-Chair F. D'Souza, Treasurer
J.-F. Nierengarten, Secretary C. F. Holmes, Division Advisor



High Temperature Materials

Eric J. Wuchina, Chair
Naval Surface Warfare Center
eric.wuchina@navy.mil • 301.227.3949 (USA)

E. Traversa, Sr. Vice-Chair T. R. Armstrong,
J. W. Fergus, Jr. Vice-Chair Secretary/Treasurer
D. A. Shifler, Division Advisor



Industrial Electrochemistry and Electrochemical Engineering

John Weidner, Chair
University of South Carolina
weidner@engr.sc.edu (USA)

V. Ramani, Vice-Chair G. S. Frankel, Division Advisor
G. Botte, Secretary/Treasurer



Luminescence and Display Materials

Uwe Happek, Chair
University of Georgia
uhappek@hal.physast.uga.edu • 706.542.2859 (USA)

K. C. Mishra, Vice-Chair H. A. Comanzo, Secretary
J. Collins, Treasurer C.-P. (Pablo) Chang, Division Advisor



Organic and Biological Electrochemistry

Isao Taniguchi, Chair
Kumamoto University
taniguchi@gpo.kumamoto-u.ac.jp • 81.963.423655 (Japan)

A. Fry, Vice-Chair J. Burgess, Secretary/Treasurer
M. Jamal Deen, Division Advisor



Physical and Analytical Electrochemistry

Hugh De Long, Chair
U. S. Air Force
hugh.delong@afosr.af.mil • 703.696.7722 (USA)

P. Trulove, Vice-Chair S. Minteer, Secretary/Treasurer
C. Bruckner-Lea, Division Advisor



Sensor

Jing Li, Chair
University of California, Santa Cruz/NASA Ames Research Center
jingli@mail.arc.nasa.gov • 650.604.4352 (USA)

Zoraida Aguilar, Vice-Chair Eric Brosha, Treasurer
Michael Carter, Secretary D. Shifler, Division Advisor