

## SMEQ Poster Session Winner Attends ECS Meeting in Vancouver



**LINDSAY S. HERNANDEZ-MUÑOZ** (left) received congratulations from ECS President **PAUL NATISHAN** at the Vancouver meeting. Ms. Hernandez-Muñoz was the recipient of the best student poster at the XXIV Congress of the Mexican Society of Electrochemistry (SMEQ) and the 2<sup>nd</sup> Meeting of the ECS Mexico Section, which was held in Puerto Vallarta, Jalisco, Mexico, May 31 through June 3, 2009. ECS was a proud sponsor of the meeting and provided a travel grant, enabling the winner to attend a future ECS meeting. The paper she presented in Vancouver (Abstract #94) was entitled, "Redox Catalysis Applied to Chemical Modification of Carbon Surfaces with Methyl Groups by Using Ferrocene Derivatives." Ms. Hernandez-Muñoz is a student at the Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional in Mexico.

## call for nominations

For details on each award—including a list of requirements for award nominees, and in some cases, a downloadable application form—please go to the ECS website ([www.electrochem.org](http://www.electrochem.org)) and click on the "Awards" link. Awards are grouped in the following sub-categories: Society Awards, ECS Division Awards, Student Awards, and ECS Section Awards. Please see the individual award call for information about where nomination materials should be sent; or contact ECS headquarters.

Visit  
**[www.electrochem.org](http://www.electrochem.org)**  
 and click on "Awards" link.



The **ECS SUMMER FELLOWSHIPS** were established in 1928 to assist students during the summer months in pursuit of work in the field of interest to ECS. The next fellowships will be presented in 2011.

Nominations and supporting documents should be sent to Vimal Chaitanya, New Mexico State University, Office of the VP for Research, MSC 3RES - Box 30001, Las Cruces, NM 88033-8001, USA, e-mail: [vimalc@nmsu.edu](mailto:vimalc@nmsu.edu). **Materials are due by January 1, 2011.**



The **MORRIS COHEN GRADUATE STUDENT AWARD OF THE CORROSION DIVISION** was established in 1991 to recognize outstanding graduate research in the field of corrosion science and/or engineering. The award consists of a scroll, a prize of \$1,000, and travel assistance to the meeting where the award will be presented (up to \$1,000). The next award will be presented at the ECS Meeting in Boston Massachusetts, October 9-14, 2011.

Nominations and supporting documents should be sent to Scott Lillard, Los Alamos National Laboratory, PO Box 1663, Ms G755, Los Alamos, NM 87544-0600 USA; e-mail: [lillard@lanl.gov](mailto:lillard@lanl.gov). **Materials are due by December 15, 2010.**



The **H. H. DOW MEMORIAL STUDENT AWARD OF THE INDUSTRIAL ELECTROCHEMISTRY AND ELECTROCHEMICAL ENGINEERING DIVISION** was established in 1990 to recognize promising young engineers and scientists in the fields of electrochemical engineering and applied electrochemistry. The award consists of a scroll and a prize of \$1,000 for educational purposes. The next award will be presented at the ECS spring meeting in Montréal, Canada, May 1-6, 2011.

Nominations and supporting documents should be sent to Venkat Subramanian, Dept. of Energy, Environmental, and Chemical Engineering, Washington University in St. Louis, One Brookings Dr., Box 1180, Office Location: Cupples II, Room 222, St. Louis, Missouri 63130, USA; e-mail: [vsubramanian@seas.wush.edu](mailto:vsubramanian@seas.wush.edu). **Materials are due by September 15, 2010.**



The **STUDENT ACHIEVEMENT AWARD OF THE INDUSTRIAL ELECTROCHEMISTRY AND ELECTROCHEMICAL ENGINEERING DIVISION** was established in 1989 to recognize promising young engineers and scientists in the field of electrochemical

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## Student Poster Session Winners from Vancouver



The Student Poster Session awards were presented at the Society's Annual Business Meeting in Vancouver on April 27. From left to right are the winners and the Session organizers: **CHRISTIAN DESILETS, ROBERT SACCI, KALPATHY SUNDARAM, VIMAL CHAITANYA, PETER HESKETH, ALEX AVEKIAN, SHAYNA BROCATO, and PABLO DE LA IGLESIA.**

The **Student Poster Session** at the ECS spring meeting in Vancouver received 82 poster submissions and the results of the competition were as follows.

First Place, Electrochemical Science & Technology, Paper #67: "Study of Formaldehyde and Carbon Monoxide Oxidation on Palladium in Sulfuric Acid by Dynamic Impedance Spectroscopy," by **Robert Sacci** (University of Victoria); David Harrington (University of Victoria), advisor.

First Place, Solid State Science & Technology, Paper #81: "Enhancement of ORR by Electrodeposited CoFePt Multilayered Alloys," by **Alex Avekians** (Northeastern University); Elizabeth Podlaha-Murphy (Northeastern University), advisor.

Second Place, Solid State Science & Technology, Paper #16: "DNA-Directed Assembly of Enzymes and Nanomaterials: Small Lacase-Carbon Nanotube Supramolecular Assemblies," by **Shayna Brocato, Carolin Lau, and Pablo de La Iglesia** (University of New Mexico); Plamen Atanassov, Eva Chi, and Margaret Werner-Washburne (University of New Mexico), and Scott Banta (Columbia University), advisors.

Honorable Mention, Electrochemical Science & Technology, Paper #19: "Electroreduction of Carbon Dioxide on Modified p-Si(111)-C," by **Christian Desilets** (Université de Sherbrooke); Daniel Bélanger and Gessie Brisard (Université de Sherbrooke), advisors.

The organizers, **Venkat Subramanian** and **Vimal Chaitanya**, thanked the many judges who assisted: Cuevas-Arteaga and John Skrovan (Corrosion Division); Dan Schwartz, John Stickney, and Elizabeth Podlaha (Electrodeposition Division); Xiangwu Zhang, Nancy Dudney, and Bor Yann Liaw (Battery Division); Ravi M. Methekar, Vijay Ramani, and Peter Fedkiw (IE&EE Division); Stuart Adler, Mark Anderson, and Alanah Fitch (PA&ED); Peter Hesketh and Zorida Augilar (Sensor Division); Augustine Agyeman and Frank Chen (HTM Division); Scott Calabrese Barton and Bill Mustain (Energy Technology Division); and Kalpathy Sundaram (DS&T Division).

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engineering and to encourage the recipients to initiate careers in this field. The award consists of a scroll and a prize of \$1,000 for educational purposes. The next award will be presented at the ECS spring meeting in Montréal, Canada, May 1-6, 2011.

Nominations and supporting documents should be sent to Venkat Subramanian, Dept. of Energy, Environmental, and Chemical Engineering, Washington University in St. Louis, One Brookings Dr., Box 1180, Office Location: Cupples II, Room 222, St. Louis, MO 63130, USA; e-mail: [vsubramanian@seas.wush.edu](mailto:vsubramanian@seas.wush.edu). **Materials are due by September 15, 2010.**



## Student Travel Grants

Several of the Society's Divisions offer travel assistance to students and young faculty members presenting papers at ECS meetings. For details about travel grants for 219<sup>th</sup> ECS Meeting in Montréal, Canada, (May 1-6, 2011), please see the Montréal, Canada, Call for Papers; or visit the ECS website: [www.electrochem.org/student/travelgrants.htm](http://www.electrochem.org/student/travelgrants.htm). Please be sure to e-mail the student travel grant contact as each Division requires different materials for approval. **The deadline for submission for the spring 2011 travel grants is November 15, 2010.**



## Awarded Student Memberships Available

ECS Divisions are offering Awarded Student Memberships to qualified full-time students. To be eligible, students must be in their final two years of an undergraduate program or enrolled in a graduate program in science, engineering, or education (with a science or engineering degree). Postdoctoral students are not eligible. Awarded memberships are renewable for up to four years; applicants must reapply each year. Memberships include article pack access to the *Journal of The Electrochemical Society* online, *Electrochemical and Solid-State Letters* online, *ECS Transactions* online, and a subscription to *Interface*. To apply for an Awarded Student Membership, use the application form below or refer to the ECS website at: [www.electrochem.org/awards/student/student\\_awards.htm#a](http://www.electrochem.org/awards/student/student_awards.htm#a).

## Atlanta Student Chapter



**FRANK DALTON** (in jacket and tie), General Manager at Pine Research Instrumentation, gave a talk and a hands-on demo for the ECS Atlanta Student Chapter.

The **Atlanta Student Chapter** of ECS at Georgia Tech continued its on-campus activities on electrochemistry in the academic year 2009-2010 with two successful events. In the fall of 2009, a workshop on instrumentation was organized at the Marcus Nanotechnology Building at Georgia Tech. Frank Dalton, General Manager at Pine Research Instrumentation, gave the talk and held a hands-on demo for the students. Students found this event useful for their research.

On March 18, 2010, the Chapter organized a social and seminar event at the Molecular Sciences Building at Georgia Tech as the kick-off event for the spring semester. There were about 35-40 attendees including students and post-docs. Faculty across different departments included Jiri Janata, Paul Kohl, Gleb Yushin, Peter Hesketh, and Lawrence Bottomley. The coffee session before the talk and the food and social session after the talk gave ample opportunity for interaction. Peter Hesketh, faculty advisor of the Chapter introduced the speaker for the seminar, Lawrence Bottomley, from the Chemistry Department at Georgia Tech. The hour-long interesting talk titled, "Designing Better Experiments—Single vs. Multi-Factor Experimentation" gave insight into statistical approaches for an intelligent, methodological way of designing experiments to obtain results with good fidelity, keeping in mind the time constraints as well. Interest among the students was evident during the discussion session that followed the talk. The event was a great success. A questionnaire was circulated among participants to gather their input for future events.

Students also showed interest in taking leadership roles in continuing Chapter activities. The incoming student President Robert Rettew, outgoing President Zhengchun Peng, Vice-President Serdar Ozdemir, and other Chapter members including Rajeswari (Raji) Chandrasekaran and William Laminack actively shared responsibilities in arranging food, preparing and distributing flyers, making arrangements for meeting rooms, etc., and enjoyed the whole process. The student members thank their faculty advisor, Peter Hesketh for his role in the success of the Chapter since its formation in 2008. They hope to continue and extend the Chapter's activities in the next academic year with the Society's continued support.

## Looking for Student News

Send all correspondence to

65 South Main Street  
Pennington, NJ 08534-2839, USA  
Tel: 609.737.1902  
Fax: 609.737.2743  
E-mail: [interface@electrochem.org](mailto:interface@electrochem.org)

ECS takes an active interest in the affairs of its Student Members, and is always interested in hearing from you about your interests, activities, and accomplishments.



[www.electrochem.org](http://www.electrochem.org)

## Start a Student Chapter!

**ECS currently has 20 student chapters around the world, which provide students an opportunity to gain a greater understanding of electrochemical and solid-state science, to have a venue for meeting fellow students, and to receive recognition for their organized scholarly activities. Students interested in starting a student chapter may contact [tim.fest@electrochem.org](mailto:tim.fest@electrochem.org) for details.**