

San Francisco Meeting Student Poster Session Awards



The **STUDENT POSTER SESSION** awards were presented in San Francisco at the Society's Annual Business meeting. In the front is winner **Karina Kangas**. In the back row, from left to right, are: **Doug Hansen**, one of the session judges; **Debasish Mohanty**; **Natalia Shustova**; **Kiera A. Kurak**; **Anasuya Adibhatla**; **Vimal (Desai) Chaitanya**, lead organizer; and **Pawel Kulesza**, another one of the session judges.

The **STUDENT POSTER SESSION** at the ECS spring meeting in San Francisco received 71 poster submissions and the results of the competition were as follows.

First Place, Electrochemical Science & Technology, Paper #6: "Very Strong Redox-Dependent Hydrogen Bonding between a bis-Dimethylaminophenylurea and a Cyclic Diamide," by **KARINA KANGAS** (San Diego State University); Diane K. Smith (San Diego State University), advisor.

First Place, Solid State Science & Technology, Paper #13: "Decomposition of Li_xCoO_2 Characterized by Magnetic Measurements," by **DEBASISH MOHANTY** (University of New Orleans); Heike Gabrisch (University of New Orleans), advisor.

Second Place (one of two), Electrochemical Science & Technology, Paper #1: "Novel Composite Proton Exchange Membranes for Fuel Cells," by **ANASUYA ADIBHATLA** and **JOKO SUTRISNO** (University of Nevada, Reno); Alan Fuchs (University of Nevada, Reno), advisor.

Second Place (two of two), Electrochemical Science & Technology, Paper #17: "Electroreduction of O_2 on Selenium Nanotubes: Theoretical Prediction," by **KIERA A. KURAK** (Case Western Reserve University); Alfred Anderson (Case Western Reserve University), advisor.

Honorable Mention, Electrochemical Science & Technology, Paper #8: "Synthesis and Characterization of Heptafluoropropylated Fullerene Derivatives," by **NATALIA SHUSTOVA** (Colorado State University); Steven H. Strauss (Colorado State University), advisor.

The committee thanked the organizers **VIMAL DESAI CHAITANYA**, **GERRI BOTTE**, **VENKAT SUBRAMANIAN**, and **KALPATHY SUNDARAM**, and the 14 judges who assisted.

U.S. Consulate Hosts Launch of the Lahore Student Chapter

Gathered at the U.S. Consulate Lahore, students shared their experiences and vision for the future as Public Affairs Officer, T. Mell officially launched the Lahore Student Chapter of ECS, lauding the student's initiative and drive.

"With the launch of the Lahore Student Chapter, you are joining a vibrant community of over 8,000 scientists and engineers in over 70 countries striving for a common goal—bridging the gap between academia, research, and engineering," remarked the U.S. diplomat while greeting students and faculty from the Chemistry Department of the University of Engineering and Technology. Briefing the audience about the history of ECS and its international membership was faculty member S. Iqbal. The Lahore Student Chapter is the first in the region and among 20 such chapters in North America and Europe.

Students that had attended the 211th ECS meeting in Chicago reminisced about their participation. "My visit to the U.S. is a wonderful memory now. I met some lovely people there—people who were interesting, intelligent, and worthy of admiration and respect," remarked S. Sadaf.

During discussion, the ECS Lahore Student Chapter encouraged students enrolled in science and engineering programs to join the group. The ECS Student Chapters provide students an opportunity to understand electrochemical and solid-state sciences, have a venue to meet fellow students, and receive recognition for their scholarly activities and community service. In the long run, students strive to implement their research work to the industry.

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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 karla.stein@electrochem.org for details.

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Atlanta Student Chapter



The ATLANTA STUDENT CHAPTER hosted ECS President **Noel Buckley** (fourth from left) at its Mini Symposium. Student Chapter key organizers are also pictured. From left to right are: **Serdar Ozdemir**, **Rajeswari Chandrasekaran**, **Shruti Prakash**, (Pres. Buckley), **Tyler Osborn**, and **Zhengchun Peng**.

The ATLANTA STUDENT CHAPTER AT GEORGIA TECH and the GEORGIA SECTION jointly presented an ECS Mini Symposium on February 18, 2009 at Georgia Tech. The event was presided over by D. Noel Buckley, ECS President. A total of 45 ECS student and active members from various departments at Georgia Tech and the University of Georgia at Athens were in attendance. The lunch session before the symposium provided ample opportunity for interaction among all the attendees. Paul Kohl welcomed Prof. Buckley, the ECS president and plenary lecturer. Prof. Buckley provided an overview of ECS, which was followed by a technical talk on "In Situ AFM and Stress Measurements During the Electrodeposition of Copper Nanofilms."


Peter Hesketh, faculty advisor of the student chapter, and Zhengchun Peng, Student Chapter President for the upcoming academic year, introduced the speakers. Dennis Hess, Jiri Janata, and Tom Fuller were among the faculty who attended the symposium. John Stickney, invited faculty speaker from UGA, gave his talk titled, "Electrochemical Atomic Layer Deposition (ALD)." Jin-Hwan Lee, post doc in Peter Hesketh's group in the Mechanical Engineering Department at Georgia Tech, presented his work on "MEMS Needle-Type Multi-Analyte Microelectrode Array Sensors for In Situ Biological Applications." Each of the talks was followed by an interesting Q&A session.

The coffee break that followed provided a forum for more interaction among the ECS members. Jennifer Steeb from Prof. Janata's research group in the Chemistry Department presented her work on "Electrochemically Prepared Microirradiator." Next, Kevin G. Gallagher from Dr. Fuller's research group in the Chemical and Biomolecular Engineering Department gave an interesting talk entitled, "The Electrochemical Oxidation of Carbon in Acidic Environments." Ryan West from Georgia Tech followed with his talk entitled, "Role of Tethered Phosphonate Groups on Ion-Permeability of Polypyrrole Film." Another student speaker, Matthew E. Lynch from Meilin Liu's group in the Material Science and Engineering Department at Georgia Tech discussed his research on modeling and simulation of mixed-conducting thin film and patterned electrodes. Finally, Yair Korenblit from Gleb Yushin's research group gave a talk entitled, "Supercapacitor Advancement via Low Cost Vanadium Pentoxide: Carbon Composites." The symposium was a success because of the support of all the faculty members and participation by student members. Student chapter members Serdar Ozdemir, Prakash Shruti, Tyler Osborn, Zhengchun Peng, Rajeswari Chandrasekaran, Robert Rettew, and Balamurali Balu actively shared responsibilities in a timely manner and enjoyed the whole process. They hope to continue and extend the chapter's activities in the next academic year with the ECS's continued support.


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) 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
and click on "Awards" link.

 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 fall meeting in Las Vegas, Nevada, October 10-15, 2010.

Nominations and supporting documents should be sent to Shinji Fujimoto, Osaka University Department MSP, 2-1 Yamada-oka, Suita, Osaka 565-0871 Japan; e-mail: fujimoto@mat.eng.osaka-u.ac.jp. **Materials are due by December 15, 2009.**

 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 Vancouver, Canada, April 25-30, 2010.

Nominations and supporting documents should be sent to Venkat Subramanian, Tennessee Tech University, Dept of Chemical Engineering, 307 Prescott Hall, PO Box 5013, Cookeville, TN 38505, USA; e-mail: vsubramanian@tntech.edu. **Materials are due by September 15, 2009.**

 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 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 Vancouver, Canada, April 25-30, 2010.

Nominations and supporting documents should be sent to Venkat Subramanian, Tennessee Tech University, Dept of Chemical Engineering, 307 Prescott Hall, PO Box 5013, Cookeville, TN 38505, USA; e-mail: vsubramanian@tntech.edu. **Materials are due by September 15, 2009.**

Looking for Student News



Send all correspondence to

65 South Main Street
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Tel: 609.737.1902
Fax: 609.737.2743
E-mail: 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

Student Travel Grants

Several of the Society's Divisions offer travel assistance to students presenting papers at ECS meetings. For details about travel grants for 217th ECS Meeting in Vancouver, Canada, (April 25-30, 2010), please see the Vancouver, Canada Call for Papers in this issue; or visit the ECS website: 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 2010 travel grants is November 16, 2009.**

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 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.



Awarded Membership Application

ECS Divisions are offering Awarded Student Memberships to qualified fulltime students. To be eligible, students must be in their final two years of an undergraduate program or be 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 access to the *Journal of The Electrochemical Society* online, *Electrochemical and Solid-State Letters* online, a subscription to *Interface*, and a CD-ROM of the *Journal* and *Letters*.

Personal Information

Name: _____ Date of Birth: _____

Home Address: _____

Phone: _____ Fax: _____

Email: _____

Divisions (please select only one):

- Battery
- Corrosion
- Dielectric Science & Technology
- Electrodeposition
- Electronics and Photonics
- Energy Technology
- Fullerenes, Nanotubes, and Carbon Materials
- High Temperature Materials
- Industrial Electrochemistry & Electrochemical Engineering
- Luminescence & Display Materials
- Organic & Biological Electrochemistry
- Physical and Analytical Electrochemistry
- Sensor

School Information

School: _____

(please include Division and Department)

Address: _____

Undergraduate Year (U) or Graduate Year (G) - circle one: U3 U4 G1 G2 G3 G4 G5

Major Subject: _____ Grade Point Average: _____ out of possible:

Have you ever won this award before? YES _____ NO If yes, how many times? _____

Signatures

Student Signature: _____ Date: _____

Faculty member attesting to eligibility of full time student:

Faculty Member: _____ Dept.: _____

E-mail Address: _____ Date: _____