

## STUDENT NEWS

### Call for Nominations



#### Student Research Award of the Battery Division

Members of The Electrochemical Society are invited to nominate candidates for the Student Research Award of the Battery Division. The award, which consists of a commemorative scroll describing the award and a check for \$1,000, is intended to encourage and recognize promising young engineers and scientists in the field of electrochemistry.

Nominations should be submitted before March 15, 2004 to the Student Research Award committee chairman: John Weidner, Center for Electrochemical Engineering, University of South Carolina, Swearingen Engineering Center, Columbia, SC 29208, USA; tel: 803.777.3207, fax: 803.777.8265, or e-mail: weidner@engr.sc.edu.

#### The Student Award of the Canadian Section

The Student Award of the Canadian Section is awarded annually to a student who is pursuing, at a Canadian university, a PhD degree in which electrochemical science and technology and/or solid-state science and technology is the central consideration. The award of \$1,000 is presented to the winning student at a meeting of the Section, at which he or she is invited to give a lecture on the topic of his/her research project. The student must be

nominated by a faculty member of a Canadian university. The nomination must subsequently be supported by letters of recommendation written by personnel in university, industry, or government. The nomination must consist of the following documents: (1) A curriculum vitae for the student, listing publications and work experience, as well as the month and the year at which all university degrees were begun or completed. In particular, an estimate must be made of the date of completion of the currently pursued degree. The

student should not have completed his/her degree prior to the year the award is given; (2) A letter of recommendation for the nomination from the nominating professor, which should outline the student's strong points and weaknesses in electrochemical research. It should answer the question: "Why do you wish to single out this student for the award?"; and (3) A brief (1 to 2 typed pages) outline of the proposed and completed research project, written by the student.

*(continued on next page)*



*The Society formally recognized its first Student Chapter during the Orlando meeting. The chapter, formed at the University of Central Florida (UCF), was presented a \$1,000 grant from the ECS Centennial Campaign to support its activities. ECS President Bruno Scrosati (right) presented a certificate recognizing the formation of the chapter to Keith Rea, Chapter President, (center) and Sudipta Seal, Chapter Advisor (left).*

## ECS Summer Research Fellowships—Call for Nominations

The Electrochemical Society is currently soliciting applications for the 2004 Society Summer Fellowships. The Fellowships are given each year to assist a student in continuing his/her graduate work during the summer months in a field of interest to the Society. Each year the Society gives up to four such fellowships, worth \$4,000 each.

In order to be eligible for a Summer Fellowship, the individual must be a graduate student pursuing work between the degree of BS and PhD, in a college or university, who will continue his or her studies after the summer period. A previous holder of a Summer Fellowship is eligible for reappointment.

Qualified graduate students are invited to apply for these fellowships. Applicants must complete an application form and supply the following information: (1) a brief statement of educational objectives; (2) a brief statement of the thesis research problem, including objectives, work already accomplished, and work planned for the summer of 2004; (3) a transcript of undergraduate and graduate academic work; and (4) two letters of recommendation, one of which should be from the applicant's research advisor.

As it is the spirit of these awards that they be the sole sponsor of the summer graduate work, successful recipients of a fellowship must agree not to hold other appointments or other fellowships during the summer of 2004.

Please be aware that all applications must be submitted electronically in PDF format. All applications sent by mail will be rejected. Only transcripts may be sent by mail.

Application forms are available from the chairman of the Fellowship Award Subcommittee, to whom completed applications and letters of recommendation should be sent: R. McCarley, Department of Chemistry, Choppin Laboratories of Chemistry, Louisiana State University, Baton Rouge, LA 70803, USA, tel: 225.578.3361, e-mail: tunnel@lsu.edu.

**The deadline for receipt of completed applications is January 1, 2004. Award winners will be announced on April 1, 2004.**

The nominators are responsible for sending a complete nomination. If an item is missing on the day of the deadline, the candidate will be rejected by the award committee. The criterion for nomination is the excellence of the student's research accomplishments. Thus, copies of university transcripts are not required.

The closing date for nominations is February 28, 2004. See also the ECS website for details at [www.electrochem.org/awards/section.htm](http://www.electrochem.org/awards/section.htm).

Nominations for both awards should be sent to Dr. Elena Babes-Dornea, General Electric Canada, 4931 Ste. Suzanne, Pierrefonds, QC, H8Y-2A2, Canada; tel: 514.693.1428. fax: 514.694.9245, e-mail: [elena.babes@ps.ge.com](mailto:elena.babes@ps.ge.com).

## Student Travel Grants

Several of the Society's Divisions offer travel assistance to students presenting papers at Society meetings. These travel grants are intended to aid students in attending the meeting. For additional information and an online application form refer to the ECS website at: [www.electrochem.org/student/travelgrants.htm](http://www.electrochem.org/student/travelgrants.htm). To be eligible for a grant, applicants must be scheduled to present a paper in a symposium or session sponsored or cosponsored by the Division to which the application is made. For a complete list of symposia and how to submit a paper, please visit

[www.electrochem.org/meetings/205/cfp.pdf](http://www.electrochem.org/meetings/205/cfp.pdf). To apply for a travel grant, use the application form below.

**Application Requirements**—All applications for the 205th meeting in San Antonio, Texas, May 9-14, 2004, must be received no later than January 2, 2004. To apply for travel support, please complete the Student Travel Grant form below, return it with a letter of recommendation from a faculty advisor, and a copy of the meeting abstract. Travel grants range from \$250-\$750 depending on the student's estimated expenses and the funds available from the Divisions.

## The Electrochemical Society Travel Grant Application

The Society's Corrosion, Dielectric Science and Technology (DS&T), Electrodeposition, Electronics, Energy Technology, High Temperature Materials (HTM), Organic and Biological Electrochemistry (O&BE), Physical Electrochemistry, and Sensor Divisions offer travel grants to students presenting papers at the Society's next meeting, in San Antonio, Texas, May 9-14, 2004. To apply, complete this application and send it along with a copy of your transcript and a letter from an involved faculty member attesting both to the quality of the student's work and financial needs, and a copy of the student's meeting abstract. For additional information and an online application form refer to the ECS website at [www.electrochem.org/student/travelgrants.htm](http://www.electrochem.org/student/travelgrants.htm). (*Preference for travel allocation grants will be given to ECS Student Members.*)

Meeting Site: \_\_\_\_\_

Name: \_\_\_\_\_

School Address: \_\_\_\_\_

E-mail: \_\_\_\_\_ Phone #: \_\_\_\_\_

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

Major Subject: \_\_\_\_\_ Grade point average \_\_\_\_\_ out of possible \_\_\_\_\_

(*Please provide letter of recommendation from your faculty advisor and a copy of your transcript*)

Symposium Title: \_\_\_\_\_

Title of paper to be presented at meeting: \_\_\_\_\_

Are you an ECS Student Member of the Society?  yes  no

(*If not, please additionally submit the Awarded Student Membership application.*)

Estimate meeting expenditures: \$ \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Check Division under which award is being applied for: (*Applications made to multiple Divisions will be rejected*)

**Corrosion**—*Send to:* R. Scott Lillard, MST-6, MS G755, Los Alamos National Laboratory, Los Alamos, NM 87545, USA. E-mail: [lillard@lanl.gov](mailto:lillard@lanl.gov).

**DS&T**—*Send to:* K. Sundaram, Univ. of Central Florida, School of EE & CS, Orlando, FL 32816-2450, USA. E-mail: [sundaram@mail.ucf.edu](mailto:sundaram@mail.ucf.edu).

**Electrodeposition**—*Send to:* C. Bonhote, Advanced Head of Development and Nanostructures, Hitachi Global Storage Technologies, San Jose Research Center, 650 Harry Rd., C1-430, San Jose, CA 95120-6001 USA. E-mail: [Christian.Bonhote@hgst.com](mailto:Christian.Bonhote@hgst.com).

**Electronics**—*Send to:* F. Ren, Univ. of Florida, Dept. of Chem. Engr., Gainesville, FL 32611, USA. E-mail: [ren@che.ufl.edu](mailto:ren@che.ufl.edu).

**Energy Technology**—*Send to:* Scott Calabrese Barton, Dept. of Chem. Engr., Columbia University, 500 W. 120th Street, Room 812, New York, NY 10027-6623, USA. E-mail: [scb2001@columbia.edu](mailto:scb2001@columbia.edu).

**HTM**—*Send to:* E. Wuchina, Naval Surface Warfare Center, Code 645, 9500 MacArthur Blvd., Bldg. 68, West Bethesda, MD 20817-5700, USA. E-mail: [wuchinaej@nswccd.navy.mil](mailto:wuchinaej@nswccd.navy.mil).

**O&BE**—*Send to:* Dennis Peters, Indiana University, Dept. of Chemistry, Bloomington, IN 47405, USA. E-mail: [peters@indiana.edu](mailto:peters@indiana.edu).

**Physical Electrochemistry**—*Send to:* Petr Vanysek, Northern Illinois University, Dept. of Chemistry and Biochemistry, DeKalb, IL 60115, USA. E-mail: [pvanysek@niu.edu](mailto:pvanysek@niu.edu).

**Sensor**—*Send to:* P. Hesketh, Georgia Tech., Dept. of Mechanical Engineering, 225 North Ave NW, Atlanta, GA 30332-0405, USA. E-mail: [phesketh@sununo.me.gatech.edu](mailto:phesketh@sununo.me.gatech.edu).

**Applications for Travel Grants for the San Antonio, Texas meeting must be received no later than January 2, 2004.**

## 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 subscriptions to the *Journal of The Electrochemical Society* online, *Electrochemical and Solid-State Letters* online, and *Interface*.

To apply for an Awarded Student Membership, use the application form below or refer to the ECS website at: [www.electrochem.org/student/student.htm](http://www.electrochem.org/student/student.htm). ■

## Student Poster Session Winners at the Orlando Meeting

From among the 74 posters presented at the General Society Student Poster Session at the Orlando meeting this past October, the following winners were chosen:

Poster #25: "Crystallographically-Oriented Electrochemically-Deposited Bismuth Nanowires," by O. Rabin (Massachusetts Institute of Technology). The advisors were M. S. Dresselhaus and G. Chen (MIT).

Poster #33: "Electrolytic Reduction of Solid SiO<sub>2</sub> in Molten Chlorides," by K. Yasuda, (Kyoto University). The advisors were T. Nohira, K. Amezawa, and Y. Ito (Kyoto University).

Honorable Mentions:

Poster #45: "Electrochemical Characterization of Biofilm Growth on Platinum Surfaces," by C. Davis (University of Calgary). The advisors were V. Birss and D. Cramb (University of Calgary).

Poster #72: "Potential of Zero Charge of Monolayer-Protected Metal Clusters," by G. Lica (Georgetown University). The advisors were B. S. Zelakiewicz and Y. Tong (Georgetown University).

## The Electrochemical Society Awarded Membership Application

The Divisions of the Society are offering Awarded Student Memberships to qualified full-time students. Eligible students must be in their final two years as undergraduates or be enrolled in a graduate program in science, engineering, or education (with a science or engineering degree). Awarded memberships are renewable for up to four years; applicants must reapply each year. Memberships include subscriptions to the *Journal* online, *Letters* online, and *Interface*.

Name: \_\_\_\_\_

Home Address: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ E-mail: \_\_\_\_\_

School, Division, and Department: \_\_\_\_\_

School 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 won this award before? - circle one: Yes No If yes, how many times? \_\_\_\_\_

Signature of Student: \_\_\_\_\_ Date: \_\_\_\_\_

Faculty member attesting to eligibility of student:

Name: \_\_\_\_\_ Department: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Divisions (please choose one):

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Battery                         | <input type="checkbox"/> Energy Technology                                     | <input type="checkbox"/> Luminescence & Display Materials      |
| <input type="checkbox"/> Corrosion                       | <input type="checkbox"/> Fullerenes, Nanotubes, and Carbon Nanostructures      | <input type="checkbox"/> Organic & Biological Electrochemistry |
| <input type="checkbox"/> Dielectric Science & Technology | <input type="checkbox"/> High Temperature Materials                            | <input type="checkbox"/> Physical Electrochemistry             |
| <input type="checkbox"/> Electrodeposition               | <input type="checkbox"/> Industrial Electrolysis & Electrochemical Engineering | <input type="checkbox"/> Sensor                                |
| <input type="checkbox"/> Electronics                     |  |  |

Send to: The Electrochemical Society, 65 South Main Street, Pennington, NJ 08534-2839, USA • Tel: 609.737.1902 • Fax: 609.737.2743