

STUDENT NEWS



Barbara Djurfors
IE&EE Division

Student Achievement Award Winner



In the spring of 1999, Barbara Djurfors earned a BSc in materials engineering from the University of Alberta. In the fall of 1999, she began her Master's degree, also at the University of Alberta, and the expected completion date is 2001. Under the direction of Dr. D. G. Ivey, she is currently studying pulsed electrodeposition of the Au/Sn solder used in optoelectronic packaging applications. ■



Amy Lucia Prieto
IE&EE Division

The H. H. Dow Memorial Student Award Winner



Amy Lucia Prieto was born in Bogota, Colombia, but spent most of her childhood in Grand Rapids, Michigan. She graduated from Williams College in 1996 with majors in chemistry and philosophy. After winning a fellowship from Bell Labs (Lucent Technologies) she worked with Dr. Lynn F. Schneemeyer on the synthesis of reduced ternary titanates from high temperature

barium borate fluxes. Amy is completing her doctoral work with Professor Angelica Stacy at the University of California, Berkeley, on the electrodeposition of nanowires of CoSb_3 and Bi_2Te_3 into porous anodic alumina to study the effect of confinement on the thermoelectric properties of these materials. ■

Awarded Student Memberships Available

The Society's **Corrosion, Dielectric Science and Technology, Electronics, High Temperature Materials, Industrial Electrolysis and Electrochemical Engineering, and Physical Electrochemistry Divisions** are offering Awarded Student Memberships to qualified full-time students for the year 2002. 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. Awarded memberships begin on January 1 of the calendar year following receipt of the application. 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 on page 47. Deadline for submission is October 15, 2001.


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. **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. To apply for a travel grant, use the application form on page 47.


Application Requirements—All applications for the 2001 Joint International Meeting in San Francisco, CA, September 2-7, must be received no later than August 3, 2001. To apply for travel support, please complete the Student Travel Grant form on page 47, return it with a letter of recommendation from a faculty advisor, and a copy of the meeting abstract. See individual listings for any additional requirements.


The following Divisions are currently offering grants:

 **Dielectric Science and Technology**—The Division is offering travel grants of up to \$600 each to students presenting papers at the ECS meeting in San Francisco, CA, in September 2001.


 **Electrodeposition**—In commemoration of Abner Brenner's pioneering contributions to the field of electrodeposition, the Division offers up to three \$750 travel grants per year to graduate students who present papers in symposia sponsored or cosponsored by the Division. In addition, the Division also offers up to two \$450 travel grants per year to students making a presentation of interest to the Division in the General Society Student Poster Session.

In addition to the basic Travel Grant application requirements, a recommendation letter from the student's graduate research advisor is also required. Optional supporting documents such as article reprints, transcripts, or reports are also invited.


 **Electronics**—The Division is offering travel grants of up to \$600 each to students presenting papers in a symposium sponsored or cosponsored by the Electronics Division at the ECS meeting in San Francisco, CA, in September 2001.


 **Energy Technology**—The Division will be offering travel grants up to \$600 to students presenting a paper in a symposium sponsored or cosponsored by the Energy Technology Division and attending the ECS meeting in San Francisco, CA, in September 2001.

In addition to the basic Travel Grant application requirements, other supporting documents are also invited.

 **High Temperature Materials**—The Division will be offering travel grants up to \$500 to student members of the Division who are presenting papers at ECS Meetings. These grants will be made on a first-come, first-served basis, with up to three awards made per meeting.

In addition to the basic Travel Grant application requirements, include a letter from a faculty advisor attesting to the student's financial needs.

 **Physical Electrochemistry**—The Division will support the travel of students to each ECS meeting. Eligible students must be a graduate student or upper level undergraduate and must be scheduled to present a talk at a symposium sponsored by the Physical Electrochemistry Division. The maximum amount given for travel support will be up to \$2,000 to be distributed among the awardees.

 **Sensor**—The Division will be offering travel grants of up to \$300 each to students presenting papers at the ECS meeting in San Francisco, CA, in September 2001. The student must be or become a member of ECS, be in a program of study toward an advanced degree at a university, and apply for funding at the time of submission of their abstract to ECS. ■

Student News Wanted

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

Send all correspondence to:

Interface

65 South Main Street

Pennington, NJ 08534-2839, USA

Tel: 609.737.1902 • Fax: 609.737.2743

E-mail: interface@electrochem.org



The Corrosion, Dielectric Science and Technology (DS&T), Electronics, High Temperature Materials (HTM), Industrial Electrolysis and Electrochemical Engineering (IE&EE), and the Physical Electrochemistry Divisions 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 begin on January 1 of the calendar year following receipt of the application and include subscriptions to the *Journal Online*, *Letters Online*, and *Interface*. The application deadline is October 15, 2001.

AWARDED MEMBERSHIP APPLICATION

Name: _____

Home Address: _____

Date of Birth: _____

Phone #: _____

School, Division, and Department: _____

School Address: _____

Undergraduate Year (U) or Graduate Year (G) - circle one:

U3 U4 G1 G2 G3 G4 G5 GPA _____

Major Subject: _____

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: _____

Division under which award is being applied for:

(Applications made to multiple Divisions will be rejected)

☐ **Corrosion**—Send to: G.S. Frankel, Dept. of Materials Science & Engineering, 477 Watts Hall, The Ohio State University, Columbus, OH 43210. E-mail: frankel.10@osu.edu.

☐ **DS&T**—Send to: D. Misra, Dept. of Elec. and Computer Engr., NJIT, Newark, NJ 07102. E-mail: dmisra@megahertz.njit.edu.

☐ **Electronics**—Send to: Arnold Reisman, NC State Univ., Department of ECE, Box 7911, Raleigh, NC 27695. E-mail: reisman@eos.ncsu.edu.

☐ **HTM**—Send to: Mark D. Allendorf, Sandia National Labs, MS 9052, P. O. Box 969, Livermore, CA 94551-0969. E-mail: mdallen@sandia.gov.

☐ **IE&EE**—Send to: James M. Fenton, Dept. of Chemical Engr., U-222, Rm. 208, Univ. of Connecticut, Storrs, CT 06269-3139. E-mail: jmfent@eng2.uconn.edu.

☐ **Physical Electrochemistry**—Send to: Viola Birss, Dept. of Chem., University of Calgary, Calgary, AB, Canada, T2N 1N4. E-mail: birss@acs.ucalgary.ca.

The Society's Dielectric Science and Technology (DS&T), Electrodeposition, Electronics, Energy Technology, High Temperature Materials (HTM), Physical Electrochemistry and Sensor Divisions offer travel grants to students presenting papers at Society meetings. For the individual rules of each Division's grant program, please see the Student Travel Grant announcements on the preceeding pages of this issue of *Interface*. To apply, complete this application and send it along with 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. (Preference for travel allocation grants will be given to ECS student members.)

STUDENT TRAVEL GRANT APPLICATION

1. Meeting Site: _____

2. Name: _____

3. School Address: _____

3. Major Subject: _____

4. Undergraduate grade point average: _____

Out of possible: _____

Graduate grade point average: _____

Out of possible: _____

5. Division Symposium Title: _____

6. Title of Paper to be Presented at Meeting: _____

7. Are you a Student Member of the Society? _____

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

8. Estimate meeting expenditures: \$ _____

9. Signature: _____

Date: _____

Check Division under which award is being applied for:

(Applications made to multiple Divisions will be rejected)

☐ **DS&T**—Send to: D. Misra, Dept. of Elec. and Computer Engr., NJIT, Newark, NJ 07102. E-mail: dmisra@megahertz.njit.edu.

☐ **Electrodeposition**—Send to: J. Stickney, Dept. of Chemistry, Univ. of Georgia, Athens, GA 30602. E-mail: stickney@sunchem.chem.uga.edu.

☐ **Electronics**—Send to: Arnold Reisman, NC State Univ., Department of ECE, Box 7911, Raleigh, NC 27695. E-mail: reisman@eos.ncsu.edu.

☐ **Energy Technology**—Send to: J. Prakash, Dept. of Chemistry & Environmental Engr., Illinois Institute of Technology, 10 West 33rd Street, Chicago, IL 60616. E-mail: prakash@charlie.cns.iit.edu.

☐ **HTM**—Send to: F. Garzon, Los Alamos National Lab, MS 0429, Los Alamos, NM 87545. E-mail: garzon@lanl.gov.

☐ **Physical Electrochemistry**—Send to: Viola Birss, Dept. of Chem., University of Calgary, Calgary, AB, Canada, T2N 1N4. E-mail: birss@acs.ucalgary.ca.

☐ **Sensor**—Send to: Peter Hesketh, George W. Woodruff School of Mech. Eng., Georgia Inst. of Technology, Atlanta, 801 Ferst Dr., GA 30332. E-mail: peter.hesketh@me.gatech.edu.

Application and faculty letter must be received no later than one month prior to the meeting for which a travel grant is sought.