

STUDENT NEWS

General Society Student Poster Session Winners



ECS President Gerard Blom and award winners (from left to right: Gerard Blom, J. D. Holladay, Paul H. Humble, B.-O. Cho, and C. Rice)—From among the 29 posters presented in the General Society Student Poster Session at the Seattle Meeting this past May, the following winners were chosen: Poster #9: "The Effects of Surface Adsorbates onto Platinum Nanoparticles Probed via NMR Spectroscopy at the Solid/Liquid Interface," by C. Rice, Y. Tong, E. Oldfield, and A. Wiekowski (University of Illinois at Urbana-Champlain); Poster #8: "Ni/Zn and Li-Ion Rechargeable Microbatteries for MEMS Applications," by J. D. Holladay, P. H. Humble, J. Harb, L. Salmon, R. Barksdale, B. Anderson (Brigham Young University), and R. LaFollette (Bipolar Technologies Corporation). Honorable Mentions included: Poster #24; "Photoassisted Anodic Dissolution of GaN," by D. Mistele (University of Hanover); Poster #6; "Various Etch Profiles Obtained in a Plasma Etcher Using Faraday Cages with Different Shapes of Gridded Cover," by B.-O. Cho, S. W. Hwang, G. R. Lee, and S. H. Moon (Seoul National University).

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. 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 both the *Journal of The Electrochemical Society*, *Electrochemical and Solid-State Letters Online*, and *Interface*.

To apply for an Awarded Student Membership, use the application form on the facing page. Deadline for submission is October 15, 1999.

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 the facing page.

Applications for the 1999 Joint International Meeting in Honolulu, Hawaii, October 17-22, 1999, must be received no later than one month prior to the start of the Meeting. The following Divisions are currently offering grants:

Dielectric Science and Technology

The Dielectric Science and Technology Division is offering travel grants of up to \$600 each to students presenting papers at the Society's 1999 Joint International Meeting in Honolulu, Hawaii, October 17-22, 1999. Eligible students must be scheduled to present a paper in

a symposium sponsored or cosponsored by the DS&T Division.

Applicants must submit the Student Travel Grant Application on the facing page, a copy of their Meeting Abstract, and a letter of recommendation from their faculty advisor.



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.

Interested students should apply using the Student Travel Grant Application form on the facing page. A recommendation letter from the student's graduate research advisor and a copy of the student's Meeting Abstract are also required. Optional supporting documents such as article reprints, transcripts, or reports are also invited.



Electronics

The Electronics Division is offering travel grants of up to \$600 each to students presenting papers at the Society's 1999 Joint International Meeting in Honolulu, Hawaii, October 17-22, 1999. Eligible students must be scheduled to present a paper in a symposium sponsored or cosponsored by the Electronics Division.

Applicants must submit the Student Travel Grant Application on the facing page, a copy of their Meeting Abstract, and a letter of recommendation from their faculty advisor.



Energy Technology

The Energy Technology Division will be offering travel grants up to \$600 to students attending the 1999 Joint International Meeting in Honolulu, Hawaii, October 17-22, 1999. To be eligible for travel support, students must be presenting a paper in a symposium spon-

sored or cosponsored by the Energy Technology Division.

To apply for the travel support, please complete the Student Travel Grant Application on the facing page, and return it with a letter from a faculty advisor and a copy of the Meeting Abstract. Other supporting documents are also invited.



High Temperature Materials

Travel grants of up to \$500 are offered 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. To apply for an award, complete the Student Travel Grant Application on the facing page, and include a copy of the Meeting abstract, 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 \$1,000 to be distributed among the awardees.

To apply for travel support, please complete the Student Travel Grant Application on the facing page, return it with a letter of recommendation from a faculty advisor, and a copy of the Meeting Abstract. ■

ECS & DOE Summer Research Fellowships

The Electrochemical Society is currently soliciting applications for the 2000 Society Summer Fellowships, which 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 three such fellowships, named in honor of prominent Society members Edward G. Weston, Colin Garfield Fink, and Joseph W. Richards. The amount given for each Fellowship is \$4,000.

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 applica-

tion 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 2000; (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 2000.

Application forms are available from the Chairman of the Fellowship Award Subcommittee, to whom completed applications and letters of recommendation should be sent: Robin McCarley, Louisiana State University, Department of Chemistry, 232 Choppin Hall, Baton Rouge, LA 70803, Tel: 504.388.3239, Fax: 504.388.3458, E-mail: robin_mccarley_at_new_chem@chemserv.chem.lsu.edu.

The deadline for receipt of completed applications is January 1, 2000. Award winners will be announced on April 1, 2000.

In addition, **subject to approval**, there will be five additional summer fellowships in 2000, each consisting of \$3,000, supported by the U.S. Department of Energy.

The purpose of these fellowships is to assist students in continuing graduate work during the Summer months in such fields as energy-related aspects of electrochemical science and engineering as well as solid-state science and engineering and shall involve the areas of batteries, fuel cells, photo-electrochemistry, photovoltaics, and electrochemical processes of materials aimed at reducing energy consumption.

Qualifications, submission of information, and deadlines for these fellowships are the same as outlined above.

Student Achievement Awards



H. H. Dow Memorial Student Achievement Award

The H. H. Dow Memorial Student Achievement Award was established by the Industrial Electrolysis and Electrochemical Engineering Division to recognize promising young engineers and scientists in the fields of electrochemical engineering and applied electrochemistry. This award was made possible by a gift from the Dow Chemical Company Foundation and is intended to encourage the recipient to continue a career in electrochemical engineering or applied electrochemistry. The award honors the memory of H. H. Dow, a prolific inventor and tenacious businessman and one of the principal organizers and a charter member of The Electrochemical Society.

This award, which consists of a certificate and a check in the amount of \$1,000 is made each year and is intended to be used to pay for expenses associated with the recipient's education or research project, tuition, books, equipment, or supplies.

To be eligible to receive this award, candidates must be enrolled in a college or university as a graduate student or have been accepted for enrollment. The application for the award must include: (1) transcripts of all post-secondary school academic work; (2) a description of the research project to be engaged in during the next year; (3)

a statement which describes the relationship of the project to the field of electrochemical engineering or applied electrochemistry; and (4) a biography, resume, or curriculum vitae. The description and statement should be no longer than two double-spaced typewritten pages. The application must also include a letter of recommendation from the applicant's research supervisor.

The recipient shall be notified by the Chairman of the Industrial Electrolysis and Electrochemical Engineering Division and shall be requested, as a condition of the Award, to submit to the Division Chairman a written summary of research accomplished during the year in which he or she was an award recipient. The Chairman will have the option of distributing this summary to members of the Division or submitting it to the Editor of the *Journal* for consideration for publication.



**IE&EE Student
Achievement Award**

A second award will be made by the IE&EE Division and the recipient will be selected from the applicants for the H. H. Dow Memorial Award. This award also consists of a certificate and a check in the amount of \$1,000. Again, the award is to be used to pay for expenses associated with the recipients education or research project. As with the H. H. Dow award, the recipient will be required to submit a written summary of the research accomplished during the award year to the Chairman of the Division.

All application materials should be sent to: Dr. Richard D. Varjian, The Dow Chemical Company, Central Research and Development, 1776 Building, Midland, MI 48674. tel: 517.636.6557; fax: 517.636.4917. Deadline for receipt of completed applications is September 15, 1999. ■