

Durability Symposium in LA Presents Outstanding Student Paper Awards

At the ECS fall meeting in Los Angeles this past October, the first symposium of the Physical and Analytical Electrochemistry Division focused on Durability and Reliability of Low-Temperature Fuel Cells and Fuel Cell Systems was held. It was organized by H. A. Gasteiger, T. Jarvi, and S. Cleghorn. The generous sponsorship of this symposium by Argonne National Laboratory, UTC Fuel Cells, Asahi Kasei

Chemicals, and General Motors allowed for the presentation of six student travel grants awarded to the following student presenters: M. Dowlapalli, J. Kim, V. Mittal, S. He, M. Blanco, and B. Padhy. In addition, two Outstanding Student/Postdoc Presentation Awards of \$500 each were presented to the following.

VISHAL MITTAL, of the University of Connecticut, for his paper entitled, "Factors Accelerating Membrane

Degradation Rate and the Underlying Degradation Mechanism in PEMFC." In this paper, co-authored by H. R. Kuntz and J. M. Fenton, experiments were performed to elucidate the factors and conditions important for PEM degradation.

SUHAO HE, of The Pennsylvania State University, for his paper entitled, "1-D Transient Model of Shutdown to a Frozen State in a Polymer Electrolyte Fuel Cell." This paper, co-authored by M. M. Mench, described a 1-D model developed to describe transient liquid water distribution and freezing, including the formation of ice lenses with the PEMFC.

Travel grants and outstanding student/postdoc presentation awards for graduate students and postdoctoral fellows will also be available for talks held at the 6th International Symposium on Proton Exchange Membrane Fuel Cells at the 2006 fall ECS meeting in Cancun. ■



Durability Symposium award recipients were (top, left to right) B. Padhy, M. Dowlapalli, S. He; (bottom, left to right) J. Kim, M. Blanco, and V. Mittal.

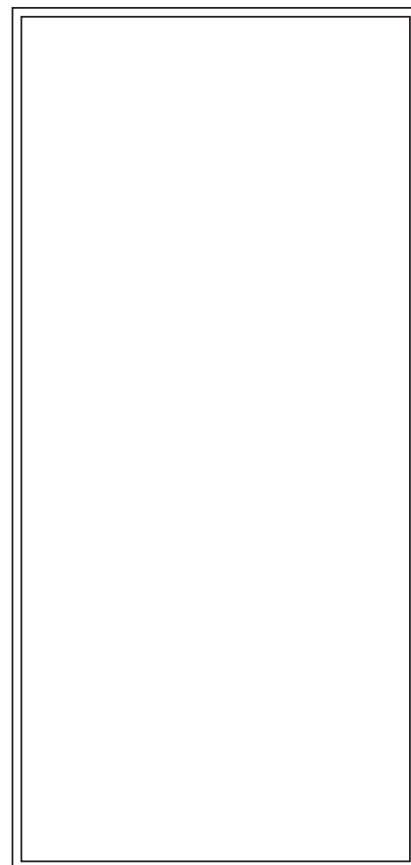
Corporate Membership News

For over 100 years, ECS has served to advance the theory and practice of electrochemistry, solid-state science, and allied subjects. The ECS mission has been enhanced by collaboration with, and support from, corporations and research laboratories throughout the world.

As an ECS Corporate Member, your organization benefits through recognition in all ECS publications; from subscriptions to the two highest rated journals in the field, the *Journal of The Electrochemical Society* and *Electrochemical and Solid-State Letters*,

as well as *Interface* (our quarterly news publication); from online access to ECS serial publications; and from complimentary membership and registrations at our biannual meetings, which attract upwards of 4,000 scientists each year.

If your organization is interested in supporting ECS and receiving the benefits of Corporate Membership, please contact Amir Zaman, Associate Director of Development, at amir.zaman@electrochem.org. ■



ECS/SemiZone Fellowships

ECS and SemiZone will continue the fellowship program that provides \$12,000 annually to ECS members enrolling in SemiZone distance-learning courses. In an effort to assure the continuous availability of up-to-date training and education of fundamental and applied scientists and engineers in the fields of electrochemistry and solid-state science, ECS has partnered with SemiZone, a provider of a comprehensive array of online learning resources for semiconductor, microelectronics, and related fields.

Every calendar quarter of 2006, ECS will award three \$1,000 SemiZone fellowship grants to three qualified ECS members. These fellowships entitle each fellowship recipient to enrollments in up to \$1,000 worth of SemiZone online learning courses and programs and must be used within one year of the award. The ECS/SemiZone fellowships will be awarded on a first-come, first-served basis. Applicants must be ECS student members, ECS members who are currently unemployed/or in job transition, ECS members who are full-time employees of academic and other nonprofit institutions (*e.g.*, university faculty, postdoctoral students, and other academic staff), retired professionals, or industry members under the age of 30. All interested parties should contact Amir Zaman at zaman@electrochem.org.

Founded in partnership with the Stanford Center for Professional Development, SemiZone provides online learning content and infrastructure, corporate online universities, and

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Whether you are a researcher, student, or corporate employee who wants to acquire additional training without the expense or time outlay associated with attending on-site training sessions, the ECS/SemiZone distance learning resources are a valuable alternative. These fellowships are in addition to the current partnership between the two organizations, in which ECS members can enroll in SemiZone courses and receive a 10% discount. Visit www.SemiZone.com/ecs for more details. ■

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ECS Division Contacts



Battery

Daniel Scherson, Chair
Case Western Reserve University
 dxs16@po.cwru.edu • 216.368.5186 (USA)
 K. Abraham, Vice-Chair and Secretary
 C. Walk, Treasurer J. Setter, Division Advisor



Corrosion

Robert Kelly, Chair
University of Virginia
 rgk6y@virginia.edu • 434.982.5783 (USA)
 P. Schmuki, Vice-Chair A. Davenport, Secretary/Treasurer
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Dielectric Science and Technology

M. J. Deen, Chair
McMaster University
 jamal@mcmaster.ca • 905.525.9140 (Canada)
 K. Voros, Vice-Chair D. Misra, Secretary
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Electrodeposition

W. Schwarzacher, Chair
University of Bristol
 w.schwarzacher@bristol.ac.uk (UK)
 G. Stafford, Vice-Chair C. Bonhôte, Secretary
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Electronics and Photonics

Jerzy Ruzyllo, Chair
Pennsylvania State University
 jruzylo@psu.edu • 814.865.5193 (USA)
 A. Baca, First Vice-Chair J. Murota, Second Vice-Chair
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Jai Prakash, Chair
Illinois Institute of Technology
 prakash@iit.edu • 312.567.3639 (USA)
 K. Zaghib, Vice-Chair S. Narayanan, Secretary
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Fullerenes, Nanotubes, and Carbon Nanostructures

F. D'Souza, Chair
Wichita State University
 Francis.DSouza@Wichita.edu • 316.978.7380 (USA)
 D. Guldi, Vice-Chair R. Weisman, Secretary
 P. Kamat, Treasurer J. Stetter, Division Advisor



High Temperature Materials

E. Wachsman, Chair
University of Florida
 ewach@mse.ufl.edu • 352.846.2991 (USA)
 E. Wuchina, Senior Vice-Chair E. Traversa, Junior Vice-Chair
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Industrial Electrolysis and Electrochemical Engineering

G. Pillay, Chair
South Dakota School of Mines and Technology
 gautam.pillay@sdsmt.edu • 605.394.2493 (USA)
 D. Mah, Vice-Chair J. Weidner, Secretary/Treasurer
 Gerald Frankel, Division Advisor



Luminescence and Display Materials

A. Setlur, Chair
GE Global Research Center
 setlur@research.ge.com • 518.387.6305 (USA)
 U. Happek, Vice-Chair K. Mishra, Secretary/Treasurer
 V. Kapoor, Division Advisor



Organic and Biological Electrochemistry

James F. Rusling, Chair
University of Connecticut
 James.Rusling@uconn.edu • 860.486.4909 (USA)
 I. Taniguchi, Vice-Chair A. Fry, Secretary/Treasurer
 E. Takeuchi, Division Advisor



Physical and Analytical Electrochemistry

Gessie Brisard, Chair
University of Sherbrooke
 Gessie.Brisard@USherbrooke.ca • 819.821.7093 (Canada)
 H. DeLong, Vice-Chair P. Trulove, Secretary/Treasurer
 Cynthia Bruckner-Lea, Division Advisor



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Gary Hunter, Chair
NASA Glenn Research Center
 ghunter@grc.nasa.gov • 216.433.6459 (USA)
 R. Mukundan, Vice-Chair J. Li, Secretary/Treasurer
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