

IE&EE Division H. H. Dow Memorial Student Achievement Award



BRANDON BARTLING is currently a post-doctoral researcher working with Chung-Chiu Liu on the development of sensors for the detection of biological and non-biological species. He received his BS degree from the University of Nebraska - Lincoln in 2001 in chemical engineering. Following that he worked for Eveready Battery Company as a quality manufacturing and senior technology engineer in the areas of Zn-MnO₂, Zn-Air, and Zn-Ag₂O

cells. During this time his research resulted in three U.S. granted patents in oxygen control materials and battery cathodes. During his time at Eveready, Brandon completed his MS degree in chemical engineering at Case Western Reserve University. His thesis work dealt with the development of screen-printed oxygen electrodes for low form factor zinc-air batteries. In 2008, Brandon returned to school full time to pursue his doctorate in chemical engineering at Case Western Reserve University working with Chung-Chiu Liu. In early 2010, Bartling completed his doctoral dissertation focused on the development of biosensors for the detection of biomarkers related to liver disease.

IE&EE Division Student Achievement Award



SATHEESH SAMBANDAM received his bachelor's degree in chemical and electrochemical engineering from Central Electrochemical Research Institute (CECRI), India in May 2005 where he graduated with first class and distinction. In the fall of 2005, Sambandam began his graduate studies in chemical engineering at the Illinois Institute of Technology (IIT) in Chicago. Currently, Sambandam is a doctoral student in the department of Chemical & Biological engineering at IIT and

expects to graduate in May 2010.

His doctoral research under Vijay Ramani focuses on the study of influence of intrinsic polymer properties like oxygen permeability and ion exchange capacity on the species and ion transport in polymer electrolyte fuel cell electrodes. Sambandam's goal is to obtain a quantitative correlation between these electrode binder properties and corresponding voltage losses estimated from fuel cell operation. He has authored/co-authored five peer-reviewed publications and was one of the winners of the student poster competition at the Gordon Research Conference on Fuel cells in 2008. Sambandam has participated in the IE&EE Division's outreach program held during the past four ECS meetings at Chicago, Washington (DC), Hawaii, and Vienna.



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 Montréal, Canada, May 1-6, 2011.

Nominations and supporting documents should be sent to Venkat Subramanian, Dept. of Energy, Environmental, and Chemical Engineering, Washington University in St. Louis, One Brookings Dr., Box 1180, Office Location: Cupples II, Room 222, St. Louis, Missouri 63130, USA; e-mail: vsubramanian@seas.wush.edu. **Materials are due by September 15, 2010.**



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.

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 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 Montréal, Canada, May 1-6, 2011.

Nominations and supporting documents should be sent to Venkat Subramanian, Dept. of Energy, Environmental, and Chemical Engineering, Washington University in St. Louis, One Brookings Dr., Box 1180, Office Location: Cupples II, Room 222, St. Louis, MO 63130, USA; e-mail: vsubramanian@seas.wush.edu. **Materials are due by September 15, 2010.**

Travel Grants

Several of the Society's Divisions offer travel assistance to students and young faculty members presenting papers at ECS meetings. For details about travel grants for 219th ECS Meeting in Las Vegas, Nevada, (October 10 -15, 2010), please see the Las Vegas, Nevada, Call for Papers; 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 fall 2010 travel grants is May 7, 2010.**

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 article pack 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.

Benefits of ECS Student Membership
Annual Student Membership Dues Are Only \$18

Student Grants and Awards

Student awards and support for travel available from ECS Divisions

Student Poster Sessions

Present papers and participate in student poster sessions at ECS meetings

ECS Member Article Pack

100 full-text downloads from the Journal of The Electrochemical Society (JES), Electrochemical and Solid-State Letters (ESL), and ECS Transactions (ESCT)

Interface - Members Magazine

Contains topical issues, news, and events

Discounts on ECS Meetings

Valuable discounts to attend ECS spring and fall meetings

Discounts on ECS Transactions, Monographs, and Proceedings Volumes

ECS publications are a valuable resource for students

ECS is an international, educational organization with more than 8,000 scientists and engineers in over 70 countries, engaged in a broad range of technical interests including: Batteries, Corrosion, Dielectric Science & Technology, Electrodeposition, Electronics & Photonics, Energy Technology, Fullerenes, Nanotubes, and Carbon Nanostructures, High Temperature Materials, Industrial Electrochemistry & Electrochemical Engineering, Luminescence & Display Materials, Organic & Biological Electrochemistry, Physical and Analytical Electrochemistry, and Sensors.



The Electrochemical Society

65 South Main Street, Building D
Pennington, New Jersey 08534-2839 USA
Tel 609.737.1902 • Fax 609.737.2743