

## AWARDS

### 2007 Oronzio de Nora Industrial Electrochemistry Fellowship Recipient

**VIJAYASEKARAN BOOVARAGAVAN** is the 2007 recipient of the Oronzio de Nora Industrial Electrochemistry Fellowship of ECS. (See his report on page 54 of this issue.) Dr. Boovaragavan received his master's degree in chemical engineering from the Annamalai University, India, in 2002 and his PhD in chemical engineering from the Central Electrochemical



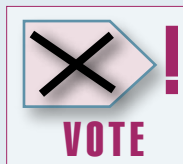
Research Institute (CECRI), India, in 2005. He is involved in studying different electrochemical systems like batteries, electroplating and electro-organic synthesis using mathematical models, novel simulation schemes, and dynamic optimization procedures. His doctoral research, done under the supervision of Dr. Ahmed Basha, was a contribution to dynamic optimization and modeling in electrochemical systems. He developed simple models

for lead-acid batteries, novel simulation schemes for elucidating tertiary current distribution, and also evaluated exact optimal control strategy for electrochemical reactors. In 2003 and 2004, CECRI recognized him for his outstanding research performance by awarding him the Young Scientist Award. He received a research fellowship from the Council of Scientific and Industrial Research in India for his doctoral research. His work on dynamic optimization of electrochemical reactors was very well received and also recognized by the International Society of Electrochemistry, which awarded him the 2006 Oronzio de Nora Foundation's Young Author Award.

In the spring of 2006, Dr. Vijay joined the research group of Prof. Venkat Subramanian in the Department of Chemical Engineering at the Tennessee Technological University in Cookeville as a postdoctoral fellow. At Tennessee Tech

University, he coauthored a paper on overcoming the numerical and computational difficulty associated with AC impedance models of electrochemical devices, by developing a novel numeric symbolic solution for the simulation and analysis of impedance models. At Tennessee Tech University, he has helped many graduate students in their thesis and research and has helped Professor Subramanian by co-teaching a part of a computer methods course for undergraduates. He is currently helping his professor's group in developing a novel simplified model for lithium-ion batteries that can predict the lithium-ion battery behavior in milliseconds. The successful development and implementation of such an efficient simplified model and computational schemes will help pave the way for using these batteries in many applications such as online monitoring and control. He has ten peer-reviewed publications and 12 scientific presentations.

The Oronzio de Nora Industrial Electrochemistry Fellowship was established in 2003 to assist a postdoctoral scientist or engineer in the research of the field of industrial electrochemistry. The award, funded by the Oronzio de Nora Foundation, is in the amount of \$25,000 for one year, twice renewable based on successful research progress as judged by the award's committee.



### Don't forget to vote!

The election process is Web-based and fast. If we have an e-mail address for you, you'll receive a message with a link to the online voting in **January 2008**. If we don't have your e-mail, you'll receive a paper ballot. See page 12 for information about the current candidates.

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#### The Electrochemical Society

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## **Society Awards**



The **EDWARD GOODRICH ACHESON AWARD** was established in 1928 for distinguished contributions to the advancement of any of the objects, purposes, or activities of ECS, and consists of a gold medal, wall plaque, and prize of \$10,000. The next award will be presented at the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Charles L. Hussey, University of Mississippi-Department of Chemistry and Biochemistry, PO Box 1848, University, MS 38677-1848, USA; tel. 662.915.7301, e-mail: chclh@chem1.olemiss.edu. **Materials are due by March 1, 2008.**



The **OLIN PALLADIUM AWARD** was established in 1950 for distinguished contributions to the field of electrochemical or corrosion science. The award consists of a palladium medal, a plaque, and a prize of \$7,500. The next award will be presented at the ECS meeting in Vienna, Austria, October 4-9, 2009.

Nominations and supporting documents should be sent to Keryn Lian, University of Toronto, 122 Grandview Way, Toronto, ON M2N-6V2, Canada; tel. 416.978.8631. **Materials are due by October 1, 2008.**



The **GORDON E. MOORE AWARD FOR SOLID STATE SCIENCE AND TECHNOLOGY** (formerly the Solid State Science and Technology Award) was established in 1971 for distinguished contributions to the field of solid-state science, and consists of a silver medal, wall plaque, and prize of \$7,500. The next award will be presented at the ECS meeting in San Francisco, California, May 24-29, 2009.

Nominations and supporting documents should be sent to Hisham Z. Massoud, Duke University, PO Box 90291, Electrical Computer Engineering, Durham, NC 27708-0291, USA; tel. 919.660.5257, e-mail: massoud@ee.duke.edu. **Materials are due by May 1, 2008.**



The **CARL WAGNER MEMORIAL AWARD** was established in 1980 to recognize a mid-career achievement and excellence in research areas of interest of the Society, and significant contributions in the teaching or guidance of students or colleagues in education, industry, or government. The award consists of an ECS Life membership, a certificate, a silver medal, and travel assistance to the meeting of the award presentation (up to \$1,000). The next award will be presented at the ECS meeting in Vienna, Austria, October 4-9, 2009.

Nominations and supporting documents should be sent to Shelley Minter, Saint Louis University, Department of Chemistry, 221 N. Grand Blvd., St. Louis, Mo 63103, USA; tel: 314.977.3624, fax: 314.977.2521, e-mail: minters@slu.edu. **Materials are due by October 1, 2008.**

The award of **FELLOW OF THE ELECTROCHEMICAL SOCIETY** was established in 1989 for individual contribution and leadership in the achievement of science and technology in the area of electrochemistry and solid-state sciences and current active participation of the affairs of ECS; and consists of a scroll, lapel pin, and announcement in a Society publication. The next Fellows will be presented at the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Andrzej Wieckowski, University of Illinois, Chem/RAL 58B, Box 56-5, 600 S. Mathews Ave., Urbana, IL 61801-3602, USA, e-mail: andrzej@scs.uiuc.edu. **Materials are due by January 15, 2008.**

*(continued on next page)*

## Call for Nominations

*For details on each award, including a list of requirements for award nominees, and in some cases, a downloadable nomination form, please go to the ECS website ([www.electrochem.org](http://www.electrochem.org)) and click on the "Awards" link in the upper right-hand corner. This will take you to a general page that will then lead to the individual awards. The awards are grouped in one of four categories: Society Awards, ECS Division Awards, Student Awards, and ECS Section Awards. Click on one of these sub-links to find the individual award. Please see each for information about where nomination materials should be sent; or you may contact the ECS headquarters office by using the contact information on the awards Web page. For student awards, please see the Student News Section in this issue.*

**Visit [www.electrochem.org](http://www.electrochem.org)  
and click on the "Awards" link.**

## AWARDS

The **CHARLES W. TOBIAS YOUNG INVESTIGATOR AWARD** was established in 2003 to recognize outstanding scientific and/or engineering work in fundamental or applied electrochemistry or solid-state science and technology by a young scientist or engineer, and consists of a certificate, prize of \$5,000, ECS Life Membership, and travel assistance to the meeting of the award presentation up to \$1,000. The next award will be presented at the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Thomas Fuller, Georgia Tech-GTRI/ATAS, 7220 Richardson Road, Smyrna, GA 30080, USA, e-mail: tom.fuller@gtri.gatech.edu. **Materials are due by January 15, 2008.**

The **ORONZIO DE NORA INDUSTRIAL ELECTROCHEMISTRY FELLOWSHIP** was established in 2003 to assist a postdoctoral scientist or engineer in the research of the field of industrial electrochemistry, and consists of a \$25,000 scholarship for one year, twice renewable based on successful research progress as judged by the award's committee. The next award will be presented on April 1, 2008.

Nominations and supporting documents should be sent to Albert L. Barnes, De Nora R&D Division, 625 East Street, Fairport Harbor, OH 44077-5668, e-mail: al.barnes@denora.com. **Materials are due by January 1, 2008.**

## ECS Division Awards



The **RESEARCH AWARD OF THE BATTERY DIVISION** was established in 1958 to recognize outstanding

contributions to the science and technology of primary and secondary cells and batteries and fuel cells. The award consists of a scroll, a prize of \$1,000, and membership in the Battery Division for as long as the winner is a Society member. The next award will be presented at the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Stanley Whittingham, SUNY at Binghamton, Dept. of Chemistry and Materials Center, Binghamton, NY 13902, USA; tel. 607.777.4623, e-mail: stanwhit@binghamton.edu. **Materials are due by March 15, 2008.**



The **TECHNOLOGY AWARD OF THE BATTERY DIVISION** was established in 1993 to encourage the development of

battery and fuel cell technology. The award consists of a scroll, prize of \$1,000, and membership in the Battery Division for as long as the winner is a Society member. The next award will be presented at the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Martin Winter, Graz University of Technology, Institute for Chemistry and Technology, Stremayrgasse 16, A8010 Graz, Austria, e-mail: martin.winter@tugraz.at. **Materials are due by March 15, 2008.**



The **ELECTRODEPOSITION DIVISION RESEARCH AWARD** was established in 1979 to recognize outstanding research

contributions to the field of electrodeposition. The award consists of a scroll and a prize of \$2,000. The next award will be presented at the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Philip N. Bartlett, School of Chemistry, University of Southampton, Highfield, Southampton, SO17 1BJ, United Kingdom tel. 44 (0)23.8059.2373; e-mail: pnb@soton.ac.uk. **Materials are due by April 1, 2008.**



The **NEW ELECTROCHEMICAL TECHNOLOGY (NET) AWARD OF THE INDUSTRIAL ELECTROCHEMISTRY AND ELECTROCHEMICAL ENGINEERING DIVISION** was

established in 1998 to recognize significant advances in industrial electrochemistry. The award consists of a commemorative plaque with appropriate inscription presented to the sponsoring organization; commemorative scrolls will be presented to up to 6 key contributors as well, as identified by the sponsoring organization. The next award will be presented at the ECS meeting in Vienna, Austria, October 4-9, 2009.

Nominations and supporting documents should be sent to Dennie Mah, DuPont, 2609 Majestic Drive, Wilmington, Delaware, 19810-2430, USA; tel. 302.367.6475; e-mail: doctor\_electro@msn.com. **Materials are due by May 1, 2008.**



The **CENTENNIAL OUTSTANDING ACHIEVEMENT AWARD OF THE LUMINESCENCE AND DISPLAY MATERIALS DIVISION** was

established in 2002 to encourage excellence in luminescence and display materials research and outstanding contributions to the field of luminescence and display materials science. It consists of a scroll and a prize of \$1,000. The next award will be presented at the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Alok Srivastava, General Electric, 1 Research Circle, Niskayuna, NY 12309-1027, USA; tel. 518.387.7535, e-mail: srivastava@crd.ge.com. **Materials are due by January 1, 2008.**



The **OUTSTANDING ACHIEVEMENT AWARD OF THE SENSOR DIVISION** was established in 1989 to recognize outstanding

achievement in the science and or technology of sensors and to encourage excellence of work in the field. It consists of a scroll and a prize of \$1,000. The next award will be presented at the PRiME 2009 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Michael T. Carter, Eltron Research Inc., 582 W 80th Ave., Denver, CO 80221-4420, USA, tel. 303.530.0263, fax: 303.530.0264, e-mail: mtcarter@eltronresearch.com. **Materials are due by January 1, 2008.**

## ECS Section Awards

The **ALLESANDRO VOLTA MEDAL OF THE EUROPEAN SECTION** was established in 1998 to recognize excellence in electrochemistry and solid-state science and technology research, and consists of a silver medal and a check for \$500. The next award will be presented the PRiME 2008 meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Pawel J. Kulesza, University of Warsaw, Department of Chemistry, Pasteura 1, PL-02-093 Warsaw, Poland; tel. 48.228220211, ext. 289 (office) or 277 (lab), fax: 48.22 8225996, e-mail: pkulesza@alfa.chem.uw.edu.pl. **Materials are due by March 15, 2008.**