

AWARDS

2003 Norman Hackerman Young Author Awards

The Society is pleased to announce the recipients of the Norman Hackerman Young Author Awards for 2003: Seiji Noda (SSS&T) and Krishnakumar Jambunathan (ES&T) for their excellent work, which appeared in the *Journal of The Electrochemical Society*.



Seiji Noda received the award for his paper "Development of a Photoresist Removal Method Using Ozone Gas with Water Vapor for LCD Manufacturing," *J. Electrochem. Soc.*, **150**, G537 (2003).

SEIJI NODA was born in Aichi, Japan on December 24, 1972. He obtained an MS degree in chemical engineering (1995) and a professional engineering degree in chemistry (2003) from Tokyo University

and is currently a research engineer at Mitsubishi Electric Corporation. He is interested in the application of radical reactions to propose an alternative process for substrate cleaning and the removal of toxic compounds from air and/or water. Currently he is using computational fluid dynamics for water treatment and a resist removal by ozone or the advanced oxidation processes. ■



Krishnakumar Jambunathan received the award for his paper "Measuring Electrocatalytic Activity on a Local Scale with Scanning Differential Electrochemical Mass Spectrometry," *J. Electrochem. Soc.*, **150**, E312 (2003).

KRISHNAKUMAR JAMBUNATHAN received his PhD in chemical engineering from the University of Virginia in 2002. He studied electrocat-

alytic reactions relevant to low temperature fuel cells using scanning electrochemical and mass spectral imaging methods. In the summer of 2002, he began his postdoctoral studies in the department of chemistry at The Pennsylvania State University. His research focused on the synthesis and material/electrochemical characterization of high surface area electrocatalysts for fuel cells. Currently, he is working as a researcher in the Corporate Science and Technology Center at Air Products and Chemicals, Inc. in Allentown, Pennsylvania. ■

2004 Oronzio de Nora Industrial Electrochemistry Fellowship

In 2004, The Electrochemical Society began awarding the Oronzio de Nora Industrial Fellowship valued at \$25,000 to assist a postdoctoral scientist or engineer in the research of the field of industrial electrochemistry. The 2004 Fellowship winner is Nicholas Mano.



NICOLAS MANO was born and educated in France. He received his MSc in chemistry and physics in 1997 and his PhD in 2001 from the University of Bordeaux I. His doctoral thesis, under the supervision of Prof. Alexander Kuhn, was on affinity-assembled multilayers for dehydrogenase-based biosensors. In his thesis he developed a class of nitrofluorenone-derived redox mediators, allowing the rapid electro-oxidation of dihydronicotinamide adenine dinucleotide (NADH) at a potential as low as -50 mV vs. Ag/AgCl with a bimolecular rate constant exceeding $104 \text{ M}^{-1} \text{ s}^{-1}$. His building of a well-defined functional redox mediator/ Ca^{2+} /NAD⁺/enzyme multilayer at an electrode/electrolyte interface was recognized as the best thesis in chemistry

by the Aquitaine Section of the French Chemical Society.

In 2001 Dr. Mano joined the research group of Prof. Adam Heller at the University of Texas in Austin as a postdoctoral fellow. In Austin he designed the first effective electrocatalyst for the four-electron reduction of O_2 to water under physiological conditions, which he applied in glucose oxidizing- O_2 reducing membraneless biofuel cells. He built the smallest biofuel cell operating under physiological conditions and producing 0.44 mW cm^{-2} at +0.52 V. He then showed the functioning of the miniature cell in a living plant, a grape. His work on biofuel cells was recognized by the 2003 Luigi Galvani prize of the Bioelectrochemical Society, awarded biannually to a researcher under the age of 35. ■

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) 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 three categories: Society Awards, ECS Division Awards, and ECS Section Awards. Click on one of these sub-links to find the individual award. Please see below 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.



Society Awards



The Vittorio de Nora Award was established in 1971 for contributions to the field of electrochemical engineering and technology; and consists of a gold medal, wall plaque, and prize of \$7,500. The next award will be presented at the ECS spring meeting in Denver, Colorado, May 7-12, 2006.

Nominations and supporting documents should be sent to Gautam Pillay, Inland Northwest Research Alliance, 151 N. Ridge Avenue, Suite 140, Idaho Falls, ID 83402-4000, USA; tel. 208.524.4800, e-mail gautampillay@yahoo.com. Materials are due by **May 1, 2005**.



The Henry B. Linford Award for Distinguished Teaching was established in 1981 for excellence in teaching in subject areas of interest to the Society; and consists of a silver medal, wall plaque, and prize of \$2,500. The next award will be presented at the ECS spring meeting in Denver, Colorado, May 7-12, 2006.

Nominations and supporting documents should be sent to Dennis H. Evans, University of Arizona, Department of Chemistry, 1306 E. University, Tucson, AZ 85721, USA; tel. 520.626.0318, e-mail dhevens@email.arizona.edu. Materials are due by **May 1, 2005**.



Fellows of The Electrochemical Society were established in 1989 for individual contributions and leadership in the achievement of science and technology in the area of electrochemistry and solid-state sciences and current active participation in the affairs of The Electrochemical Society. The award

consists of a scroll, lapel pin, and announcement in a Society publication. The next awards will be presented at the fall meeting in Los Angeles, California, October 16-21, 2005.

Nominations and supporting documents should be sent to Steven Visco, Lawrence Berkeley National Laboratory, MS 62-203, 1 Cyclotron Road, Berkeley, CA 94720, USA; tel. 510.486.5821, e-mail sjvisco@lbl.gov. Materials are due by **January 15, 2005**.



The Oronzio de Nora Industrial Electrochemistry Fellowship was established in

2003 to assist a postdoctoral scientist or engineer

in the research of a field of industrial electrochemistry. The award consists of a \$25,000 fellowship for one year, twice renewable, based on successful research progress as judged by the Award's Committee. The next award will be presented April 1, 2005.

Nominations and supporting documents should be sent to Peter C. Foller, PPG Industries, Inc., 1461 Lyons Chase Circle, Murrysville, PA 15668-2627, USA; tel. 724.325.5181, e-mail foller@ppg.com. Materials are due by **January 1, 2005**.

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, 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 ECS fall meeting in Los Angeles, California, October 16-21, 2005.

Nominations and supporting documents should be sent to Ralph J. Brodd, Broddarp of Nevada, 2161 Fountain Springs Drive, Henderson, NV 89074-1574, USA; tel. 702.897.3027, e-mail dbrodd@broddarp.com. Materials are due by **March 15, 2005**.



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 as long as the winner is a Society member. The next award will be presented at the ECS fall meeting in Los Angeles, California, October 16-21, 2005.

Nominations and supporting documents should be sent to Bor Yann Liaw, University of Hawaii, Natural Energy Institute, SOEST, 1680 East-West Road, Post 109, Honolulu, HI 96822, USA; tel. 808.956.2339, e-mail bljaw@hawaii.edu. Materials are due by **March 15, 2005**.



The H. H. Uhlig Award of the Corrosion Division was established in 1972 to recognize excellence in corrosion research and outstanding technical contributions to the field of corrosion science. The award consists of a scroll, prize of \$1,500, and travel assistance to the meeting where the award presentation

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and click on the
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Interface Article Guidelines

The mission of *Interface* is (1) to provide a forum for the lively exchange of ideas and news among members of The Electrochemical Society (ECS) and the international scientific community at large; (2) to stimulate awareness of ECS as a leader on the technology frontiers through presentation of broad-based technical features and highlights from the field; and (3) to communicate ECS news, information, and activities to its members and the scientific community.

Issues often highlight one of the Society's Divisions by presenting the state of the technology of that Division's field, as well as featured articles on that subject area. These contributions should be coordinated through the Interface Advisory Board member of the appropriate Division. Other timely articles of general interest to Society members also may be contributed. Articles submitted to *Interface* should be written for a diversified scientific audience, with a broad introduction and wide scope so that newcomers to that particular field can understand the issues, and with enough depth that experts in the field will find the article interesting.

Using the following guidelines will improve and tailor articles for *Interface*. Article titles should be short and eye-catching, and an abstract is not necessary. Articles should be no more than 3,000 words in length, with up to five figures and/or tables. Color for figures, photographs, and tables should be used where possible. **Figures should be submitted in their original format, preferably as EPS or TIF files, NOT embedded in PowerPoint or word processing files. The figures should be at least 300 dpi in resolution.** If complex equations are used, especially those prepared with special math editors, they should be saved as figure files. Distinguished, high-quality figures or photos are welcome and will be considered for use on the cover. The authors should provide a short statement showing their respective affiliations, positions, and e-mail. Please refer to articles in past issues of *Interface* for examples.

Authors must submit typed, double-spaced manuscripts and original figures. Articles should be submitted electronically to the Editor at: rajeshwar@uta.edu. In general, the Instructions to Authors for the *Journal of The Electrochemical Society* should be followed for manuscript preparation. There are no page charges for publication, nor payments for accepted articles or photographs. To be considered for a specific issue of *Interface*, articles must be submitted to the Editor by the following deadlines:

ARTICLE SUBMISSION DEADLINES

Spring	December 1
Summer.....	March 1
Fall	May 1
Winter.....	August 15

2004 EDITORIAL CALENDAR

Spring — Special Issue on **Molecular Electronics**, with guest editor Richard L. McCreery, of The Ohio State University. Featured articles include: Molecular DRAMs, Single Molecule Conduction, Molecular Junctions, and Molecular Rectifiers.

Summer — **Sensors**, with guest editor Cindy Bruckner-Lea of Pacific Northwest Laboratories. Featured articles include: Sensors and MEMS, Sensor Systems for Homeland Security, Sensors for Transportation and Energy, and Data Analysis for Sensor Systems.

Fall — Special Issue on **Hydrogen**, with guest editor Elizabeth Opila of NASA Glen Research Center, on the areas of Storage, Generation/Processing, Use, and Economy.

Winter — **Electrodeposition**

Awards

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will take place. The award will be presented at the ECS fall meeting in Los Angeles, California, October 16-21, 2005.

Nominations and supporting documents should be sent to Clive R. Clayton, SUNY at Stony Brook, 2 Villet Drive, Setucket, NY 11733-2618, USA; tel. 631.632.9272, e-mail cclayton@notes.cc.sunysb.edu. Materials are due by **December 15, 2004**.



The **J. B. Wagner Award of the High Temperature Materials Division** was established

in 1998 to recognize a young member of the Society who has demonstrated exceptional promise for a successful career in science and technology in the field of high temperature materials. The award consists of a scroll, a check for \$1,000, and travel assistance (if needed) to the meeting where the award presentation will take place. The next award will be presented at the ECS fall meeting in Los Angeles, California, October 16-21, 2005.

Nominations and supporting documents should be sent to Eric Wuchina, Naval Surface Warfare Center, Code 645, 9500 Macarthur Blvd, Bldg 68, West Bethesda, MD 20817-5700, USA; tel. 301.227.3949, e-mail wuchinaej@nswccd.navy.mil. Materials are due by **January 1, 2005**.



The **Manual M. Baizer Award of the Organic and Biological Electrochemistry Division** was established

in 1992 for outstanding scientific achievements in the electrochemistry of organics. The award consists of a scroll, prize of \$1,000, and travel assistance (if needed) to the meeting where the award presentation will take place. The next award will be presented at the ECS spring meeting in Denver, Colorado, May 7-12, 2006.

Nomination materials are limited to the candidate's CV, plus a maximum of 12 pages consisting of a cover letter from the nominator giving the arguments in favor of the nomination, a brief biographical sketch that can be included with the award announcement, and up to 5 supporting letters (no one may write in support of more than one candidate) and should be sent to Albert J. Fry, Wesleyan University, Chemistry Department, Lawn Avenue, Middletown, CT 06459, USA; tel. 860.685.2622, e-mail afry@wesleyan.edu. Materials are due by **January 15, 2005**. ■