

AWARDS

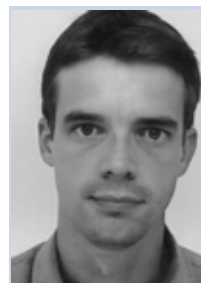
2006 Young Author Award Winners

The Society is pleased to announce the recipients of the 2006 Norman Hackerman Young Author Awards. The awards are given annually for the two best papers published in the *Journal of The Electrochemical Society* (JES) by authors under 31 years of age. The awards were established in 1928 and renamed for Dr. Norman Hackerman, former Editor of JES. (Ed. Note: Dr. Hackerman recently passed away; see page. 24 for a notice about the legacy he left behind.)



PRADEEP DIXIT received his award in the Solid State Science & Technology category, for his paper, "Aspect-Ratio-Dependent Copper Electrodeposition Technique for Very High Aspect-Ratio Through-Hole Plating" (JES, Vol. 153, No. 6, 2006, p. G552).

Pradeep Dixit received his M.Tech degree in mechanical engineering from the Indian Institute of Technology (IIT) in Bombay, India in 2003. Currently, he is a graduate student in the Micromachines Centre School of Mechanical & Aerospace Engineering, Nanyang Technological University, Singapore, where he is doing his PhD research under the supervision of Prof. Miao Jianmin. His PhD research is focused on the development of high aspect ratio, fine pitch through-wafer electroplated copper interconnects for 3D wafer stacking applications. His research interests cover a variety of areas in silicon-based MEMS fabrication and electronic packaging processes, including copper electrodeposition, electroless deposition, deep reactive ion etching, study of nano-twin formation, surface modification, thermal management, and thermo-mechanical characterization of the MEMS devices. He also has worked in the development of carbon nanotubes based interconnects and heat sink device for advanced electronic applications. He is the author of 12 peer-reviewed journal papers and 11 conference papers. His research study



MATHIEU BERVAS received his award in the Electrochemical Science & Technology category for his paper, "Reversible Conversion Reactions with Lithium in Bismuth Oxyfluoride Nanocomposites," (JES, Vol. 153, No. 1, 2006, p. A159).

Mathieu Bervas joined the Institut des Sciences et Technologies of Pierre and Marie Curie University and obtained his engineering degree in materials chemistry in 2000. This theoretical education was complemented by a six-month internship during which he joined the Sol-Gel laboratory of Prof. Lisa Klein at Rutgers University, to work on fuel cells materials. At the end of this internship, he was offered a full fellowship from Telcordia Technologies to develop innovative materials for lithium batteries in the Energy Storage Research group headed by Prof. Glenn Amatucci.

His PhD research was focused on the development of high-energy density nanocomposites used as cathode materials. In particular, he studied the reversible conversion reaction in bismuth fluoride and oxyfluoride carbon nanocomposites. These works lead to five publications and to two patents.

After his graduation in spring 2005, he went back to France where he obtained a post-doctoral position at the newly created Institut National de l'Energie Solaire in Chambéry. His post-doc researches were aimed at developing low-cost aqueous batteries for the storage of renewable energy, and especially a lead-acid battery based on chemically prepared nano lead dioxide.

He is now working in the aerospace industry for Thales Alenia Space in Cannes, France. His current projects mostly involve materials having enhanced thermal and mechanical properties.

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

Journal of The Electrochemical Society (JES)

The peer-reviewed leader in the field (electronic edition included with membership)

Interface - Members Magazine

Contains topical issues, news, and events

Electrochemical and Solid-State Letters (ESL)

A rapid-publication, peer-reviewed journal (electronic edition included with membership)

Discounts on Proceedings Volumes, Monographs, and ECS Transactions

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, 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.

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 ECS fall meeting in Honolulu, Hawaii October 12-17, 2008.

Nominations and supporting documents should be sent to Charles L. Hussey, University of Mississippi-Department of Chem. Biochem., 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 **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 spring 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.**



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 of the affairs of ECS, and consists of a scroll, lapel pin, and announcement in a Society publication. The next class of ECS fellows will be presented at the ECS fall 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, e-mail: andrzej@scs.uiuc.edu. **Materials are due by January 15, 2008.**



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 ECS fall 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, Eltech Systems Corp., 625 East Street, Fairport Harbor, OH 44077-5668, USA, e-mail: alb@eltechsystems.com. **Materials are due by January 1, 2008.**

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 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
and click on the "Awards" link.

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 an ECS member. The next award will be presented at the ECS fall 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 ECS fall 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. **Materials are due by March 15, 2008.**



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, and consists of a scroll, prize of \$1,500 and travel assistance to the meeting in which the award is presented (if required). The

next award will be presented at the ECS fall meeting in Honolulu, Hawaii October 12-17, 2008.

Nominations and supporting documents should be sent to Gerald Frankel, Ohio State University, 477 Watts Hall 2041 North College Road, Columbus, Ohio 43210-1124, USA, e-mail: frankel10@osu.edu. **Materials are due by December 15, 2007.**



The **HIGH TEMPERATURE MATERIALS DIVISION OUTSTANDING ACHIEVEMENT AWARD** was established in

1984 to recognize excellence in high temperature materials research and outstanding technical contributions to the field of high temperature materials science, and consists of a scroll, complimentary meeting registration, a prize of \$1,000 and travel assistance up to \$1,000 for the meeting in which the award is presented (if required). The next award will be presented at the ECS fall meeting in Honolulu, HI, October 12-17, 2008.

Nominations and supporting documents should be sent to Enrico Traversa, Universita di Roma, "Tor Vergata," via della Ricerca Scientifica, Roma, I-00133, Italy; tel. 39672594492, e-mail: traversa@uniroma2.it.

Materials are due by January 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 and consists of a scroll and a prize of \$1,000. The next award will be presented at the ECS fall 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 **MAX BREDIG AWARD IN MOLTEN SALT CHEMISTRY OF THE PHYSICAL AND ANALYTICAL**

ELECTROCHEMISTRY DIVISION was established in 1984 to recognize excellence in molten salt chemistry research and consists of a scroll and a prize of \$1,500. The next award will be presented at the ECS fall meeting in Honolulu, Hawaii October 12-17, 2008.

Nominations and supporting documents should be sent to Hugh C. De Long, DR-IV, Program Manager, Biomimetics, Biomaterials and Biointerfacial Sciences, Air Force Office of Scientific Research Directorate of Chemistry and Life Sciences, 875 North Randolph Street, Suite 325 Room 3112, Arlington, Virginia 22203, USA; tel. 703.696.7722, e-mail: hugh.delong@afosr.af.mil. **Materials are due by October 1, 2007.**



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, and consists of a scroll and a prize of \$1,000. The next award will be presented at the ECS fall meeting in Honolulu, Hawaii, October 12-17, 2008.

Nominations and supporting documents should be sent to Zoraida P. Aguilar, Vegrandis, LLC, 535 W. Research Center Blvd., Fayetteville, AR 72701, USA; tel. 479.575.3289, e-mail: zoraida.guilar@vegrandis.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 ECS fall 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.**