



Topical Areas

Biomaterials
Environmental S&T
Magnetic Materials
Manufacturing S&T
Materials Characterization
Materials Processing
MEMS
Microelectronic Materials
Nanometer-Scale S&T
Plasma S&T
Surface Engineering
Surface Science
Thin Films
Vacuum Technology

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AVS Announces Its Major Award Winners of 2008

New York, October 28, 2008—The AVS has selected its major award winners for 2008. The AVS established an annual awards program to encourage excellence in research and innovation in technical areas of interest to the AVS. Listed below are the major award winners:

- **Medard W. Welch Award**—Dr. Miquel Salmeron, Lawrence Berkeley National Lab, “for seminal contributions to the development of surface characterization techniques usable in a variety of environments and their application to catalysis, tribology and related surface phenomena.” This award recognizes and encourages outstanding research in the fields of interest to AVS. The award consists of a cash award, a struck gold medal, a certificate, and an honorary lectureship at a regular session of the International Symposium.
- **Gaede-Langmuir Award**—Dr. Daniel Auerbach, GRT, Inc., “for contributions to the understanding of the dynamics of gas-surface interactions using molecular beam scattering techniques.” This award recognizes and encourages outstanding discoveries and inventions in the sciences and technologies of interest to AVS. The award is conferred biennially as a suitable candidate may be identified. The award consists of a cash award, a commemorative plaque stating the nature of the award, and an honorary lectureship at a regular session of the International Symposium.
- **Albert Nerken Award**—Dr. Seizo Morita, Osaka University, “for the development of room-temperature, non-contact atomic force microscopy technologies and applications.” This award recognizes outstanding contributions to the solution of technological problems in areas of interest to AVS. The award consists of a cash award, a certificate, and an honorary lectureship at a regular session of the International Symposium.
- **Peter Mark Memorial Award**—Dr. Sergei Kalinin, Oak Ridge National Lab, “for pioneering work in the area of nanoelectromechanics and local properties at surfaces.” This award is presented to a young scientist or engineer (35 years of age or under) for outstanding theoretical or experimental work, at least some of which must have been published in *JVST*. The award consists of a cash award, a certificate, and an honorary lectureship at a regular session of the International Symposium.

A complete list of the Fellows as well as the 2008 graduate student winners is attached. Nominations for the 2009 awards are currently being solicited. For more information, please contact Angela Klink, AVS, 212-248-0200, fax 212-248-0245, e-mail angela@avs.org.

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Additional Awards

2008 AVS Fellows

AVS Fellows are members who have made outstanding contributions in areas of interest to AVS.

- Joseph L. Cecchi, University of New Mexico
- Jingguang G. Chen, University of Delaware
- Julia Fulghum, University of New Mexico
- Lucille A. Giannuzzi, FEI Company
- Ulf Helmersson, Linköping University
- Chennupati Jagadish, The Australian National University
- Michael A. Kelly, Stanford University
- Toshiaki Makabe, Keio University
- Richard J. Smith, Montana State University

AVS Graduate Student Awards

2008 Top-Level Student Finalists

There are five top-level named graduate student awards, described below, and the recipient of each is determined after a general competition with all the graduate research applicants (listed below) and a presentation to the Scholarship and Awards Committee at the International Symposium.

Dorothy M. and Earl S. Hoffman Award

The Dorothy M. and Earl S. Hoffman Award was established in 2002 to recognize and encourage excellence in graduate studies in the sciences and technologies of interest to AVS. It is funded by a bequest from Dorothy M. Hoffman, who was president of AVS in 1974 and held other positions of responsibility in the Society. The award consists of a cash award, a certificate, and reimbursed travel support to attend the International Symposium.

2008 Dorothy M. and Earl S. Hoffman Awardee

- Gregory Rutter, Georgia Institute of Technology

Nellie Yeoh Whetten Award

The Nellie Yeoh Whetten Award was established in 1989, in the spirit of Nellie Yeoh Whetten, to recognize and encourage excellence by women in graduate studies in the sciences and technologies of interest to AVS. A fund to support the award was established by Timothy J. Whetten, friends and family of Nellie Yeoh Whetten, and AVS. The award consists of a cash award, a certificate, and reimbursed travel support to attend the International Symposium.

2008 Nellie Yeoh Whetten Awardee

- Brittany Nelson-Cheeseman, University of California, Berkeley

Russell and Sigurd Varian Award

The Russell and Sigurd Varian Award was established in 1982 to commemorate the pioneering work of Russell and Sigurd Varian. It is presented to recognize and encourage excellence in graduate studies in the sciences and technologies of interest to AVS. The award is supported by Varian, Inc. It consists of a cash award, a certificate, and reimbursed travel support to attend the International Symposium.

2008 Russell and Sigurd Varian Awardee

- Erik Wallen, Linköping University

Dorothy M. and Earl S. Hoffman Scholarships

The Dorothy M. and Earl S. Hoffman Scholarships were established in 2002 to recognize and encourage excellence in graduate studies in the sciences and technologies of interest to AVS. They are funded by a bequest from Dorothy M. Hoffman. The scholarships consist of a cash award, a certificate, and reimbursed travel support to attend the International Symposium.

2008 Dorothy M. and Earl S. Hoffman Scholarships Awardees

- Ajay Karakoti, University of Central Florida
- Fung Suong Ou, Rice University

2008 Graduate Research Awards

The Graduate Research Awards were established in 1984 to recognize and encourage excellence in graduate studies in the sciences and technologies of interest to AVS. They are awarded to recognize and encourage excellence in graduate studies in the sciences and technologies of interest to AVS. Each consists of a cash award, a certificate, and reimbursed travel support to attend the International Symposium. The Graduate Research Awardees are:

- Ghanashyam Londe, University of Central Florida
- Carl Menning, University of Delaware
- Jian Shen, University of California, San Diego