



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

Contacts

Managing Director
212-248-0200, ext. 222

Exhibition
212-248-0200, ext. 229

Finance
212-248-0200, ext. 224

Marketing/Meetings
530-896-0477

Member Services
212-248-0200, 221

Publications
919-361-2787

Short Courses
530-896-0477

Web/IT
212-248-0200, ext. 223

AVS Announces Its Major Award Winners of 2016

New York, November 15, 2016—The AVS has selected its major award winners for 2016. 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— Maki Kawai, Institute for Molecular Science and University of Tokyo, “For elucidation of the role of vibrational dynamics in single-molecule reactions at surfaces.” This award recognizes and encourages outstanding research in the fields of interest to AVS. The award consists of a cash award, a medal, a plaque, and an honorary lectureship at a regular session of the International Symposium.

Gaede-Langmuir Award— Paul S. Bagus, University of North Texas, “For seminal contributions to understanding Photoelectron Spectra of Solid Surfaces and Molecules adsorbed thereupon.” 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 plaque, and an honorary lectureship at a regular session of the International Symposium.

George T. Hanyo Award— Stanley B. Christman, Hickory Hill Designs, “For outstanding technical support on a variety of projects at Bell Labs.” This award is presented to recognize outstanding performance in technical support of research or development in areas of interest to AVS. It recognizes valuable contributions made by persons outside normal professional circles. The award consists of a cash award and a plaque.

A complete list of the Fellows as well as the 2016 graduate student winners is attached. Nominations for the 2017 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.

AVS
125 Maiden Lane, 15th Floor
New York NY 10038

Phone: 212-248-0200
Fax: 212-248-0245
E-mail: avsny@avs.org
Web: www.avs.org

Additional Awards

2016 AVS Fellows

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

Susan Burkett, The University of Alabama, For contributions in materials reliability and processing techniques for 3D integration, and for leadership in STEM education and within the profession”

Charles T. Campbell, University of Washington, “For seminal contributions to determining accurate adsorption energetics and for developing key concepts for the analysis of important catalytic reactions”

Matthew J. Goeckner, The University of Texas at Dallas, “For extensive studies in the chemistry of low-temperature plasmas and cross disciplinary improvements in education”

Alberto Herrera-Gomez, CINVESTAV-Unidad Querétaro, “For his seminal contributions to developing quantitative surface analysis, especially for XPS”

Gregory Kimmel, Pacific Northwest National Laboratory, “For seminal contributions to understanding the structure and reactivity of water at interfaces”

Yue Kuo, Texas A&M University, “For outstanding contributions to thin-film microelectronics science and technology and leadership”

Rosa A. Lukaszew, The College of William and Mary, “For important contributions to the fundamental understanding and technological significance of mesoscopic structures, such as thin films and multilayers, applied to nanomagnetism, magneto-plasmonics, magneto-optics, strongly correlated oxides, and rf superconductivity”

Manos Mavrikakis, University of Wisconsin-Madison, “For outstanding contributions to theoretical surface science and catalysis”

Sally McArthur, Swinburne Univ of Technology, Australia, “For outstanding contributions to research, teaching and leadership in biointerface science”

Anders Mikkelsen, Lund University, Sweden, “For pioneering the development and use of experimental methods and concepts that can probe structural features from micrometers down to the atomic scale, from hours to attoseconds”

Talat Rahman, University of Central Florida, “For theoretical and computational contributions to understanding governing properties (chemical, optical, magnetic, vibrational) of nanoscale materials, to foster rational design of functional materials for various applications, in a bottom-up approach”

Steven J. Sibener, The University of Chicago, “For contributions in the quest of developing a molecular-level understanding of surface chemistry through the study of structures, motions, and reactions at solid surfaces”

Arthur Utz, Tufts University, “For pioneering work in developing the area of state resolved reaction dynamics of polyatomic molecules at surfaces”

Peter L.G. Ventzek, Tokyo Electron America Inc., “For establishing and advancing the state of the art of industry wide simulation groups for plasma based semiconductor manufacturing”

Jason F. Weaver, University of Florida. “For pioneering contributions to the fundamental understanding of the growth and surface chemistry of late transition-metal oxides”

AVS Graduate Student Awards

2016 Top-Level Student Finalists

There are five (5) top-level named Graduate Student Awards and three (3) Graduate Research Awards, described below. The recipients of these awards are determined after a general competition with all the graduate research applicants and a presentation to the Awards Committee at the International Symposium.

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 Agilent Technologies Vacuum Products Division. It consists of a cash award, a certificate, and reimbursed travel support to attend the International Symposium.

- Thomas Winkler, University of Maryland, College Park

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.

- Debalaya Sarker, Indian Institute of Technology, Delhi, India

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.

- Andrew Mannix, Northwestern 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.

- Hyosun Lee, Korea Advanced Institute of Science and Technology (KAIST)
- Kasra Sardashti, University of California, San Diego

2016 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. Each consists of a cash award, a certificate, and reimbursed travel support to attend the International Symposium.

- Swetha Barkam, University of Central Florida
- Grant Langlois, University of Chicago
- Takat Rawal, University of Central Florida

Marketing Communications Contact: Della Miller, AVS West, 110 Yellowstone Dr., Suite 120 Chico CA 95973, Phone: 530-896-0477, Fax 530-896-0487, E-mail della@avs.org