



The American Vacuum Society AVS

**An interdisciplinary, professional Society
involved in a variety of disciplines - chemistry,
physics, biology, mathematics, and all
engineering disciplines - through common
interests related to the basic science, technology
development, and commercialization of materials,
interfaces, and processing.**



AVS 60
Science & Technology of Materials, Interfaces, & Processing

**Special Anniversary
Membership Rates & Benefits**

*In honor of the AVS 60th Anniversary, 2013 dues
for new & renewing full members will be \$60*

AVS
www.avs.org

AVS Community—

Advances the Science & Technology of **Materials, Processing, & Interfaces**



- Networking
- Career Services



- Training & Professional Development



- Technical Conferences, Meetings, & Exhibits



- Professional & Student Awards
- Leadership Opportunities



- Technical Resources & Online Forums



JVST A:

- Surfaces
- Films
- Vacuum



JVST B:

- Nanometer Structures
- Microelectronics
- Processing, Measurement, & Phenomena



Biointerphases:

- Open Access
- Quantitative Data on Biological & Soft Matter Interfaces
- Experiments, Modeling, Theory, & Applications



Surface Science Spectra (SSS):

- Reference Spectra & Database for Individuals or Analytical Laboratories
- Technological Materials



Governance

- **President**
 - Elected for one year
- **President-Elect, Past-President**
- **Board of Directors**
 - Govern the society, serve two-year terms
- **Trustees**
 - Evaluate award packages, serve three-year terms
- **Committees**
- **Symposium Program Chair**
- **Divisions**
 - Have their own awards, primarily for students
- **Regional, International, and Student Chapters**

AVS Divisions and Groups

- **Advanced Surface Engineering**
- **Applied Surface Science**
- **Biomaterial Interfaces**
- **Electronic Materials and Processing**
- **Magnetic Interfaces and Nanostructures**
- **Nanometer-Scale Science and Technology**
- **Plasma Science and Technology**
- **Surface Science**
- **Thin Film**
- **Vacuum Technology**
- **Manufacturing Science and Technology Group**
- **MEMS/NEMS Group**

2014 Awards Nominations

Major Awards Nominations Deadline: March 31, 2014

- Outstanding Research: **Medard W. Welch Award**
- Outstanding Contributions to the Solution of Technological Problems: **Albert Nerken Award**
- Outstanding discoveries and inventions: **Gaede-Langmuir Award**
- Outstanding Theoretical or Experimental Work by a Young Scientist or Engineer: **Peter Mark Memorial Award**
- Outstanding Performance in Technical Support of Research and Development: **George T. Hanyo Award**
- Sustained and Outstanding Technical Contributions: **Fellow of the Society**
- Eminent Service to AVS: **Honorary Membership**

Graduate Student & Divisional Awards Nominations Deadline: May 2014

Outstanding research by a graduate student: **Society Student Awards** including the **Dorothy M. and Earl S. Hoffman Award**, **Nellie Yeoh Whetten Award**, **Russell and Sigurd Varian Award**, **Dorothy M. and Earl S. Hoffman Scholarships**. **Graduate Research Award** as well as numerous **Divisional Awards** in technical areas of interest to AVS.

Students may apply for a **National Student Awards** (Graduate Research Award/Top Level Award) and one **Division Group Award** in a given year.

AVS Membership

Be Part of the AVS Community—

Join Us in Advancing the Science & Technology of **Materials, Processing, & Interfaces**

Expands Your Network

- Form valuable contacts in academia, industry, and government
- Collaborate with engineers, physicists, chemists, mathematicians, and biologists all working in materials, interfaces, and processing

Enhances Your Scientific & Professional Knowledge

- JVST A, B, and a FREE subscription to SSS online
- International Symposia & Exhibitions and Topical Conferences
- Local Chapter Activities and Meetings
- Professional Development Training and Workshops

Provides Opportunities to Develop & Practice Your Leadership Skills

- Lead or volunteer on a local, national, or international committee or division
- Develop symposia programming
- Participate in advocacy programs

Offers Discounts on Subscriptions, Meeting Attendance, Hotels, Insurance, & Much More





Science & Technology of Materials, Interfaces, & Processing

AVS 60th International Symposium

Long Beach, California

Exhibit: October 29-31, 2013

Symposium: October 27-November 1, 2013