

AMERICAN VACUUM SOCIETY TO CONVENE IN BOSTON

The American Vacuum Society (AVS) will hold its 47th international symposium from Monday, 2 October, to Friday, 6 October, at the Hynes Convention Center in Boston, Massachusetts. The meeting will take place in conjunction with NANO-6, the sixth international conference on nanometer science and technology, a biennial conference hosted by AVS this year. More than 1400 papers will be presented at technical sessions, topical conferences, and poster sessions. A range of topics will be covered, including biomaterial interfaces, dielectrics, electronics, flat panel displays, magnetic interfaces and nanostructures, manufacturing science and technology, material characterization, microelectromechanical systems, processing at the nanoscale, semiconductors, surface science and engineering, thin films, vacuum technology, and, for the first time, industrial ecology. More than 50 short courses will also be offered.

A focal point of this year's meeting will be the direction of science and technology in the 21st century, highlighted by a series of lectures and special sessions on the future of research in areas of interest to the vacuum community. On Monday, Jane A. "Xan" Alexander, deputy director of the Defense Advanced Research Projects Agency, will give the plenary lecture, which will also address this theme.

The awards assembly will be held on Wednesday at 6:15 pm in the grand ballroom of the Hynes Convention Center. Immediately following the awards ceremony, the Fifes and Drums of the Middlesex County Colonial Fife and Drum Corps—while per-

forming a military tattoo—will escort the attendees to the reception at the Sheraton Boston Hotel.

Phillip Woodruff, professor of physics at the University of Warwick in England, will receive the Medard W. Welch Award for his "contributions to the understanding of the geometric properties of clean and adsorbate-decorated surfaces, and for innovative development of surface science techniques."

The Albert Nerken Award will go to **John T. Grant** for "pioneering research and development of the technique of auger electron spectroscopy to study surface composition and chemistry." Grant is senior research scientist at the University of Dayton Research Institute in Ohio.

Gary W. Rubloff will receive the Gaede–Langmuir Award for "the inventive application of surface science and vacuum technology to the semiconductor industry and for fostering an effective bridge between AVS research and manufacturing." Rubloff is director of the Institute for Systems Research and a professor in the department of materials and nuclear engineering at the University of Maryland, College Park.

The Peter Mark Memorial Award will go to **Stacey F. Bent** for her "seminal studies of Diels–Alder chemistry at semiconductor surfaces, and for contributions to a fundamental understanding of the reaction processes underlying semiconductor growth and functionalization." Bent is assistant professor of chemical engineering at Stanford University.

Charles J. Miltenberger will receive the John L. Vossen Memorial Award, given to a middle- or high-school teacher for development of

high-school demonstration experiments. Miltenberger, a chemistry teacher at Atwater High School in Atwater, California, will be recognized for "developing a demonstration experiment to determine the equilibrium constant and heat of reaction in an equilibrium system."

The Nellie Yeoh Whetten Award, given to recognize and encourage excellence in graduate studies by a woman, will go to **Jennifer Gerbi** of the University of Illinois.

This year's finalists for the Russell and Sigurd Varian Fellowship are **Qiang Fu** of UCLA, **Donna Marie Jaramillo** of the University of California, Davis, and **Michelle Steen** of Colorado State University. The winner of the fellowship will be announced at the meeting.

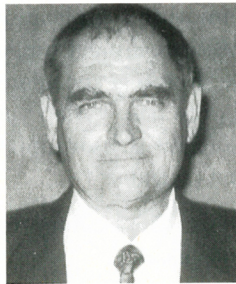
The latest in vacuum-related equipment and services will be on display in the convention center hall. More than 200 companies are participating in the technology and equipment exhibition, run by the American Institute of Physics. The show will be open on Tuesday from 11 am to 7 pm, Wednesday from 9 am to 5 pm, and Thursday from 9 am to 3 pm. Also in conjunction with the AVS conference, the Association of Vacuum Equipment Manufacturers International will hold its annual meeting on Tuesday morning at the Sheraton Boston Hotel. The topic of its technical session is "Evolving Technology and Marketing Trends in Vacuum Industry." On the social side, a student mixer is planned for Monday evening at a local Boston microbrewery. On Wednesday morning, the 20th annual AVS 5K run will take place on the banks of the Charles River.



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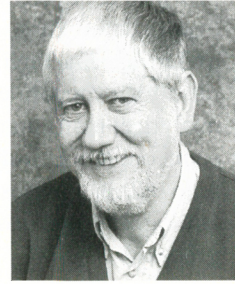
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