# Candidates for Society Office

*The following are biographical sketches and candidacy statements of the nominated candidates for the annual election of officers for the Society. Ballots will be mailed, in January 2001, to all Voting Members of the Society. Offices not affected by this election are those of the other Vice-Presidents—Karl Spear and Bruno Scrosati; of Treasurer—William D. Brown; and of Secretary—Paul Natishan.*

## Candidate for President

Jan Talbot is a professor of chemical engineering and materials science at the University of California, San Diego, where she joined the faculty in 1986. She received a BS and MS in chemical engineering from The Pennsylvania State University. Dr. Talbot worked at Oak Ridge National Laboratory (ORNL) from 1975-1981 as a development engineer in the Chemical Technology Division. She returned to graduate school and received her PhD in chemical engineering from the University of Minnesota in 1986.

At present, Talbot's research interests are directed to electrodeposition, electrophoretic deposition of phosphors in the processing of advanced displays, and chemical mechanical polishing. In 1992-1993, she spent a sabbatical year with the Electrodeposition Group at the National Institute of Standards and Technology (NIST) in Gaithersburg, Maryland. She has served as a member of the World Technology Evaluation Center (WTEC) Panel in 1993-1994, member of the Department of Energy (DOE) Advanced Fuel-Cell Commercialization Working Group in 1993-1994, and the Public Director of the Board of Certified Safety Professionals in 1992-1998. She chaired the new Gordon Conference on Electrodeposition in 1996. She has been a consultant to a number of companies.

Dr. Talbot was the Editor of *Interface* from 1995 to 1998. Other Society activities include chairman of the host committee for the 1986 meeting in San Diego, a member of the Education Committee (and its chairman, 1989-94), Ways and Means Committee, Publication Committee, and the Electrodeposition Division Executive Committee. She coauthored the IEEE Division's "Report of the Electrolytic Industries" for 1990 and 1991. She has co-chaired many symposia, organized the first few general Society student poster sessions, and co-edited a proceedings volume. ■

## Candidates for Vice-President

Robin Susko, a senior engineer with IBM's Microelectronics Division in Endicott, New York, is responsible for driving strategic aspects of electronic packaging materials, processing, metallization, assembly and their associated reliability and performance in the Worldwide Quality and Product Assurance Organization. Prior to joining IBM, Susko worked for Sprague Electric's Hybrid Division in Worcester, Massachusetts, as a semiconductor process engineer. At IBM, Susko has extensive experience in product risk analysis, development of test methods critical to reliability, yields and field performance, development of state-of-the-art power cards for IBM's personal computers, plasma process development and implementation for advanced printed wiring boards, alpha particle barrier development for semiconductor packaging and polymer formulations including application in advanced electronic packages. Susko represents IBM in key SEMATECH and JEDEC Solid State Technology Association Committees pertaining to product quality and reliability. Susko has been recognized through IBM Division Awards and Invention Achievement and Publication Achievement Awards.

Born in Albany, New York, Susko received a BS in chemistry from Rensselaer Polytechnic Institute. Since then, she's been granted 23 U.S. and foreign patents for polymeric formulations, plasma processing, and semiconductor packaging design and reliability performance. In addition, she has published numerous bulletins and over 35 papers on various aspects of semiconductor packaging, processing, reliability performance, and qualification test philosophy and strategy.

As a Society member, Susko has organized symposia on key aspects of electronic packaging, materials, processing, metallization, and reliability. She has most recently served as secretary of the Society, as well as the Dielectric Science and Technology Division secretary, treasurer, vice-chair and chair, and is currently a member of the Division's governing body. Susko has also served on numerous Society Committees, including Executive,

*(continued on next page)*

Y. H. "Russ" Wong received a BSEE from MIT in 1967, and an MS and PhD in physics from the University of Wisconsin, Madison in 1969 and 1973, respectively. He was a post-doctoral fellow in the physics department of Rutgers University from 1973-76 and was an assistant professor of physics at Wayne State University from 1976-79. Since then he has been a member of the technical staff at Lucent Technologies/Bell Laboratories. He has received a Bell Labs Presidents Award for a Lucent/NEC joint program. Dr. Wong has received over 20 patents for dielectric isolation for HVICs, optical packaging and sub-assembly, Er-doped planar optical waveguide amplifiers, planar waveguides such as lensing and switches, and microlens and diamond FED for displays.

Dr. Wong's work has been in the areas of laser spectroscopy, low temperature physics of magnetic materials, silicon device technology, and opto-electronic devices. Recently he has been involved in microwave applications of high dielectric thin film materials with applications to embedded DRAM.

Dr. Wong has been an ECS member since 1985. He has been, and is still, active in a variety of Society committees, including at one time being a member of the DS&T Division's executive committee. From 1989-94, he served as an associate editor of the ECS *Journal*. In 1993, he was elected a Fellow of the Society, and received the Callinan Award of the DS&T Division in 1994. In 1997, he served as treasurer for the Society.

### *Candidacy Statement*

*There is no professional society in the world better than ECS at facilitating the presentation of high-quality technical content to an international constituency. The challenge and satisfaction of being an officer is to improve upon what our predecessors have forged over the years, and I hope I may have that privilege. I believe a more streamlined integration and greater connectivity of our diverse multi-disciplinary activities will further strengthen the Society and take it to yet another level. ECS has long been committed equally to strong academic, industrial, and government rela-*

*(continued on next page)*

Susko *(continued from previous page)*

Publication, Ways and Means, Finance, Honors and Awards, Society Meeting, Contributing Membership, as well as the Board of Directors, both as Society secretary and Division chair.

### *Candidacy Statement*

*To be a candidate for vice-president of The Electrochemical Society is a genuine honor, in this premier professional organization for electrochemistry and solid-state science and technology. I have great pride in our Society and will provide the leadership and drive to support the Society's growth into our next century.*

*My vision for ECS is continued growth through distinction. To achieve this vision, we need to recognize the issues critical to the Society's growth and these areas must be successfully addressed and integrated into our infrastructure. These issues include societal publications, including their quality, distribution, access and reference links; membership satisfaction and worldwide growth; and Society meeting structure and topics.*

*As vice-president, my goal is to promote global awareness of the Society and the extensive interdisciplinary technical benefits we offer. Currently our Society relies on our publications, meetings, and website. Continued improvement is needed, especially with respect to our online publications' format and link capabilities. Extended alliances with electronic information consolidators are required to properly position our Society in the rapidly changing world of electronic information dissemination. Additionally, our website must be enhanced with interactive displays that would attract young scientists to our Society and its fields of interest. Future directions need to include meeting format revisions to promote specialized topics; interdivisional and intersociety symposia, with leading edge topics; increased utilization of* Interface *as the Society's face to the world; and incorporation of the Ad Hoc Committee on Long Range Planning initiatives on membership, international presence, and Society structure.*

*I believe our members are the ECS's greatest asset, and as such, recruiting new members and retaining current members are key to the Society's future. One excellent source for new members is college students. While student recruitment initiatives currently exist, involvement of more universities and professors is critical. We must actively develop long-term relationships and local initiatives to attract young talent to our Society. We need to continue this focus with the international technical community. We should pursue formation of more Local Sections and the organization and co-sponsorship of worldwide topical symposia. Both initiatives should help introduce and promote the ECS and its technical interests to a wider range of scientists and engineers.*

*Equally important is the retention of current ECS members. We are experiencing increased budgetary constraints in industry, government, and academia. By providing excellence in the papers we publish, the symposia we sponsor, and the strategic technology initiatives we pursue as a Society, an employer can justify their support and active participation in The Electrochemical Society. As vice-president I will be your advocate for an exceptional, distinctive and representative technical Society.* ■

---

Wong *(continued from previous page)*

*tionships. As vice-president, I would like to ensure future and continued success through additional efforts in this area, which will certainly enhance our presence and growth.*

*If elected, I would like to see a stronger interaction among Divisions and Groups in the Society. The executive officers should cultivate a network where the most remotely related subjects can be connected to offer the best symposia in the world. Meanwhile, I would like to encourage more risk taking in venturing into new fields, with a calculated risk mitigation plan and support from the Society. I believe the Society has the depth and breadth to accept such challenges. The Individual Membership Committee, the* Journal/Letters *Editorial Board, and the Symposium Subcommittee can also work together more closely to pave our growth strategy. This can be done by leveraging a synergy in offering the best technical communication forum in our fields of expertise to reach our future membership. The Society should provide technical guidance, encouragement, as well as financial support in these areas.* ■