



David Duquette Named to Chaired Professorship

Corrosion expert **DAVID DUQUETTE**, of the Department of Materials Science and Engineering at Rensselaer Polytechnic Institute, has been named the John Tod Horton Distinguished Professor in Materials Engineering. The endowed professorship is

one of the highest honors bestowed on a Rensselaer faculty member. "Since joining Rensselaer in 1970, Professor Duquette has been fiercely dedicated to the Institute, its faculty, and students," said Rensselaer Provost Robert Palazzo. "Under David's stewardship, the Department of Materials Science and Engineering has achieved considerable success in nanotechnology, while also maintaining a world-class academic reputation. He is an intellectual leader, a truly exceptional researcher and educator, and without a doubt one of the finest materials engineers of his generation."

Prof. Duquette has been a member of ECS since 1996, and was named an ECS Fellow in 2003. A world leader in the field of corrosion, electrochemical phenomena, and processing, Duquette has recently expanded his research interests to work on the challenge of on-chip interconnect technology for semiconductor applications.

Prof. Duquette earned his doctorate in metallurgy and materials science from the Massachusetts Institute of Technology. He worked for two years at Pratt & Whitney Aircraft before joining Rensselaer in 1970. Duquette was

named a full professor in 1976, and served as head of the Department of Materials Science and Engineering from 2000 to 2007. Dr. Duquette has published more than 200 academic papers, primarily in the areas of environmental degradation of materials and electrochemical processing of semiconductor interconnects. Duquette has also graduated more than 40 doctoral students and 40 master's students.

Throughout his academic career, Duquette has won numerous awards and recognitions for breakthrough research and advancing the state of materials science. He received the Alcoa Foundation Award for Outstanding Research Achievement from 1978-79, was named a Case Centennial Scholar by Case Western Reserve University in 1980, was awarded a Senior Scientist Humboldt Prize from the Alexander von Humboldt Foundation in 1983, and the Whitney Award for outstanding contributions to corrosion science from the National Association of Corrosion Engineers in 1990. He received the *Acta Metallurgica* Outstanding Paper Award in 1987.

At Rensselaer, Duquette is deeply involved with the Institute's participation in the National Institute for Nano-Engineering (NINE), a partnership between Sandia National Laboratories and a select group of leading universities and corporations that will present a host of new cutting-edge internship and research experiences for Rensselaer students and faculty. He was named to the Board of Governors of NINE, effective Jan. 1, 2008. Prof. Duquette also serves on a National Materials Advisory Board Panel that is in the process of producing a comprehensive report on the status of education in corrosion science and engineering in the United States. ■

In Memoriam



William L. Bowden (1947-2007)

WILLIAM L. BOWDEN, ECS member since 1977, died last September, following a sudden illness.

Dr. Bowden was employed as a chemist and Research Fellow by P&G (Needham, Massachusetts), formerly known as the PR Mallory Co., and later as Duracell. He did research for portable power products, including batteries. He was awarded more than 35 U.S. patents and had a sizable

publication record. According to a recent obituary notice, the moon land rover was powered by a battery of his design.

The University of Missouri-Columbia awarded Dr. Bowden a BS in 1969, and he earned his doctorate in organic chemistry from the University of North Carolina-Chapel Hill in 1975. He did post-doctoral research at the University of Vermont and was known internationally for pioneering in the field of manganese dioxide. Mr. Bowden was an Army veteran, serving as Liaison Sergeant during the Vietnam War.

A former officer of the ECS Boston Section, Bowden was a voracious reader of diverse subjects including ancient, medieval, and modern history; nature, geology, science fiction, archaeology, sports, and comedy. He made a lot of friends through the NH Chapter of the Appalachian Mountain Club, hiked almost every weekend, and was active in the organization. He was a "peak-bagger" and did the 4000' peaks as well as the New Hampshire and New England 100 Highest, and NH 3000 Footers.

He is survived by his wife, Phyllis Irene Bowden; his mother, LaFern Bowden of Winston-Salem, NC; and a brother and sister-in-law, Donald W. and Virginia Bowden and their children.

Ed. Note: Thanks to A. N. Dey for providing this notice. ■

Jefferson C. Cole (1915-2006), member since 1955, IE&EE Division

William M. Yen (d. 2007), member since 1985, LDM Division

Jane Zeile (1951-2007), member since 2005.