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*Acoustical Society of America
Melville, New York 11747*



Lisa M. Zurk

Lisa M. Zurk, associate professor of Electrical and Computer Engineering in the Maseeh College of Engineering and Computer Science at Portland State University, was honored with the 2006 Presidential Early Career Award for Scientists and Engineers (PECASE). The award ceremony was held on 1 November 2007 in the Presidential Hall of the Dwight D. Eisenhower Executive Office Building, located in the White House Complex. A reception and photo session with President Bush followed in the Indian Treaty Room.

PECASE is the nation's highest honor for professionals at the outset of their academic careers, whose work shows exceptional promise for leadership at the frontiers of scientific knowledge during the 21st century. Established in 1996, the PECASE awards recognize scientists and engineers nominated by the National Science Foundation, U.S. Department of Agriculture, Department of Commerce, Department of Defense, Department of Energy, Department of Education, National Institutes of Health, Department of Veterans Affairs and the National Aeronautics and Space

Administration. Zurk is one of only 56 researchers nationally to receive the award this year.

Zurk was nominated by the National Science Foundation (NSF), which in 2006 selected her for a five-year, \$400,000 NSF CAREER Award for her proposal, "Electromagnetic Scattering and Propagation in Random Media at Terahertz Frequencies," which explores the properties of the terahertz (THz) spectrum with a specific application of THz spectroscopy to the detection of explosives and to biomedical imaging.

Lisa Zurk joined the Department of Electrical and Computer Engineering (ECE) in PSU's Maseeh College of Engineering and Computer Science in January 2005. She founded and directs the Northwest Electromagnetic and Acoustics Research Laboratory in the Maseeh College, which involves 10 graduate and undergraduate students and several ECE faculty members.

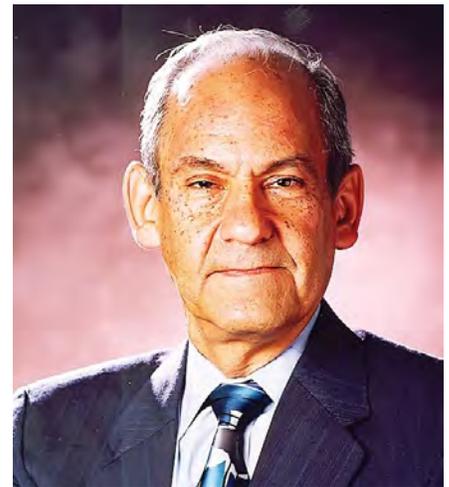
Zurk's current research interests are primarily in the area of sensing phenomenon and have such relevant applications as remote sensing of the Earth's surface, detection of explosives or bio-agents, and underwater acoustics (e.g., mapping coral reef habitats and estimating salmon populations). She is the author of over 50 technical publications and serves on numerous professional committees.

Lisa Zurk was recently awarded the Office of Naval Research Entry-Level Faculty award for a proposal entitled "Mid-Frequency Bottom Scattering Model Development and Validation." This special research award in ocean acoustics provides funding for three years at the level of \$100,000 per year and began January 2006. Another five-year, \$500,000 research initiative with The Nature Conservancy is scheduled to kick-off January 2008. The funding supports the Conservation Technology Initiative, which partners PSU with the largest conservation organization in the world having a goal to rapidly harvest advanced technology for environmental monitoring and management.

Before moving to Portland State, she spent 10 years at MIT Lincoln Laboratory, conducting research in understanding the physics of electromagnetic and acoustic wave propagation through modeling and measurement to devise advanced, physics-based signal processing techniques. While at MIT, Zurk took a one-year sabbatical to teach and conduct research as a visiting Fulbright Professor in the University of Helsinki Math Department. Prior to MIT, she spent four years in the biomedical instrumentation industry.

Lisa Zurk received a B.S. in Computer Science from the University of Massachusetts, Amherst, an M.S. in Electrical and Computer Engineering from Northeastern Univ. in 1991 and a Ph.D. in Electrical Engineering from the University of Washington in 1995.

She is a member of the Acoustical Society of America and serves as Chair of the Committee on Women in Acoustics and is a member of the Technical Committee on Underwater Acoustics.



Jerry Ginsberg awarded Per Bruel Gold Medal

Jerry Ginsberg, Professor of Mechanical Engineering at the Georgia Institute of Technology, was recently awarded the 2007 Per Bruel Gold Medal for Noise Control and Acoustics by the American Society of Mechanical Engineers. The award recognized

Ginsberg's contributions as a scientist in the areas of "sound-structuring interactions and vibration of complex systems; and, as an educator, for outstanding mentoring and for authoring a series of seminal textbooks on engineering dynamics for both engineering educators and practitioners." The Per Bruel Gold Medal for Noise Control and Acoustics is given in recognition of eminent achievement and extraordinary merit in the field of noise control and acoustics. The achievement must include useful applications of the principles of noise control and acoustics to the art and science of mechanical engineering. The medal, established in 1987, honors Dr. Per Bruel who pioneered the development of sophisticated noise and vibration measuring and processing equipment.

Dr. Ginsberg was named the first holder of the Woodruff Chair in Mechanical Systems at the Georgia Institute of Technology in 1988. He received a B.C.E. from The Cooper Union in 1965 and M.S. and E.Sc.D. degrees from Columbia University in 1966 and 1970, respectively. The primary focus of Dr. Ginsberg's work is improvement of techniques for experimental modal analysis (EMA), and turbomachinery diagnostics.

He is a Fellow of the Acoustical Society of America and received the ASA's Trent Crede Medal in 2005. Dr. Ginsberg is an Associate Editor of the *Journal of the Acoustical Society of America*. He served as Technical Program Chair of the ASA's Spring 2000 meeting, Chair of the Technical Committee on Structural Acoustics and Vibration and Chair of the Books+ Committee. He is a Fellow of the American Society of Mechanical Engineers and serves as Associate Editor of the *Journal of Acoustics and Vibration*.

Jordan J. Baruch awarded the 2007 Arthur M. Bueche Award

Dr. Jordan J. Baruch, was awarded the 2007 Arthur M. Bueche Award by the National Academy of Engineering (NAE) "for the promotion of innovation and management of science and technology nationally and internationally, thereby enhancing the economy of the U.S. and developing nations."

Dr. Baruch has made significant contributions to acoustic engineering,



Jordan J. Baruch

the early application of computers to medical and educational practice and management, and teaching technological innovation at Harvard Graduate School of Business Administration and Dartmouth College.

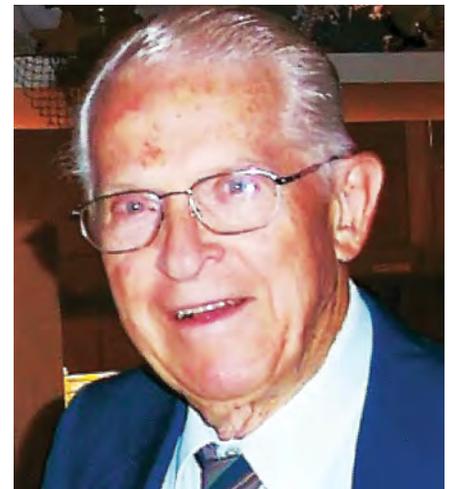
Baruch graduated from James Madison High School, Brooklyn, in 1940, and attended Brooklyn College for the next two-and-one-half years. After three years in the Army during World War II, he enrolled as a junior at Massachusetts Institute of Technology (MIT). Dr. Baruch received his Sc.D. from MIT in 1950 and was on the MIT faculty from 1948 to 1971. From 1970 to 1974, he was a faculty member at the Harvard Graduate School of Business Administration, and from 1974 to 1977, he was professor of business administration at the Tuck School of Business and professor of engineering at the Thayer School of Engineering, both at Dartmouth College.

Baruch was a founding partner and vice president of Bolt Beranek and Newman (BBN). Although he left the company from 1966 to 1968 to become department general manager of the MEDINET Department of General Electric, he remained a director of BBN until 1977. He was also a Founding Member and director of Boston Broadcasters Inc. (Channel 5, Boston) until he joined the Carter administration in 1977 as assistant secretary of commerce for science and technology, a post he held until 1981.

He was elected to membership in NAE in 1974 and became an NAE Fellow and Senior Scholar in 2001. Dr. Baruch is also a fellow of the Acoustical

Society of America, Institute of Electrical and Electronic Engineers, American Academy of Arts and Sciences, American Association for the Advancement of Science, and New York Academy of Science.

Dr. Baruch holds 12 patents, is the author of numerous articles, has worked in Africa, India, Indonesia, and Jordan, and has been honored by China and Israel for his work in and with those countries. He was a founder of the Trans-Atlantic Institute of the American Jewish Committee and the US/Israel Binational Industrial Research and Development Foundation and a member of the American Boards of Ben Gurion University and the Israel Oceanic and Limnological Research Foundation.



Laymon Miller receives Charles Paul Boner Award

The National Council of Acoustical Consultants (NCAC) has named Laymon N. Miller recipient of the 2007 C. Paul Boner Award. This award is presented to a member of the acoustical consulting community who embodies the qualities of the late C. Paul Boner—teacher, scientist, administrator, technician—and who has made outstanding contributions to the science of acoustics.

This award has been given only six times in NCAC's 24-year history. Mr. Miller said, "My being here today under these circumstances is an IMPOSSIBLE DREAM! It is not even "a dream come true" because in all my life I would never have even dreamed of such a thing."

In 1941, Mr. Miller joined a group of researchers at the Harvard

Underwater Sound Lab where his work focused on development of an acoustic homing torpedo for the Navy. After World War II the torpedo research was moved to Penn State University, where Laymon advanced from Assistant Professor to Associate Professor and finally to full Professor of Engineering Research. After 10 years at Penn State, Mr. Miller joined the acoustical consulting firm of Bolt Beranek & Newman Inc. where he remained until retirement in 1982. In addition to his membership in NCAC, Laymon is also an Emeritus member of the Acoustical Society of America and a member of the Institute of Noise Control Engineering.

NCAC is an international organization committed to supporting the acoustical profession through 1) recognizing expert acoustical consultants and engineers; 2) promoting opportunities for peer interaction; and 3) providing a reference tool for the public to learn more about the profession and to find a consultant matched to their needs.



Caitlin O'Connell noted for discovery in work on elephants

Caitlin O'Connell, who earned her doctorate in ecology from UC Davis and who is known for her discovery over a decade ago that elephants "listen" to vibrations in the ground, was honored on October 12, 2007, with an Award of Distinction from the College of Agricultural and Environmental Sciences.

The award is presented annually to a small number of recipients whose contributions and achievements enrich the

image and reputation of the college and enhance its ability to provide public service. The awards were presented during the annual "College Celebration" and include seven individuals in 2007. O'Connell received recognition as "outstanding young alumna."

"Caitlin is truly exceptional in the range of abilities she brings to every new situation, quickly sorting through the challenges involved in dealing with new technology, cultures, and concepts," said one of O'Connell's former faculty mentors, Lynette Hart, UC Davis professor in the School of Veterinary Medicine, Department of Population Health and Reproduction.

O'Connell helped Namibian subsistence farmers develop effective methods to scare off elephants from raiding fields and destroying crops. She also founded a nonprofit organization (Utopia Scientific) to fund elephant research and created a documentary film company (Triple Helix Productions). She is currently an assistant professor and research associate with the Stanford University School of Medicine, Department of Otolaryngology.

O'Connell's discovery of how elephants perceive part of their world through vibrations in the ground has extraordinary potential for application in many fields, including behavioral biology and ecology, seismic monitoring, and auditory science. She has more than 20 refereed journal articles in her brief career. O'Connell's work has been featured in a wide range of public media, including National Public Radio, *The New York Times*, the *Economist*, *Science News* and the Discovery Channel.

Valeiry Shafiro receives ASHA Research Grant

Valeiry Shafiro, Principal Investigator in the Auditory Research Laboratory at Rush University Medical Center, was named recipient of the 2007 Research Grant for New Investigators by the American Speech-Language-Hearing Association for his project titled "Perception of Environmental Sounds and Speech in Patients with Cochlear Implants."

Dr. Shafiro received a Ph.D. in Speech and Hearing Sciences from the Graduate Center, The City University



Valeiry Shafiro

of New York in 2004. He is a member of the Acoustical Society of America, the American Speech-Language-Hearing Association, American Academy of Audiology, and American Auditory Society.

William Hodgkiss, receives Teaching Excellence Award

The Scripps Institution of Oceanography Teaching Excellence Awards Committee announced October 2, 2007 that Marine Physical Laboratory Deputy Director and Professor William Hodgkiss won the 2007 award for Teaching Excellence in Graduate Instruction. This award is based on student evaluations, and the nominees and subsequent winners are selected by a student vote and a student committee consisting of representatives from all Scripps curricular groups.

Bill Hodgkiss received his Ph.D. in Electrical Engineering from Duke University in 1975 and joined the University of California-San Diego faculty in 1977. He is a Professor in the Graduate Department of the Scripps Institution of Oceanography (SIO), an Adjunct Professor in the Department of Electrical and Computer Engineering, and on the staff of the Marine Physical Laboratory at SIO. He is a Fellow of the Acoustical Society of America and serves as a member of the Technical Committee on Signal Processing in Acoustics. His work has appeared in the *Journal of the Acoustical Society of America*, the *IEEE Journal of Oceanic Engineering*, and other journals.