

Elaine Moran

Acoustical Society of America
Melville, New York 11747



Floyd Dunn

Floyd Dunn receives William J. and Francis J. Fry Award

Floyd Dunn was awarded the William J. and Francis J. Fry Award by the International Society for Therapeutic Ultrasound for his lifelong contributions to the general area of biophysics and bio-effects of ultrasound.

Floyd Dunn received the B.S., M.S., and Ph.D. degrees in 1949, 1951, and 1956, respectively, from the University of Illinois, Urbana, all in Electrical Engineering. He joined the faculty of the University of Illinois in 1955, became Professor in 1965, and retired in 1995 with emeritus status. During his tenure, he held joint appointments as Professor of Electrical Engineering, of Bioengineering, and of Biophysics, was Director of the Bioacoustics Research Laboratory from 1977 to 1995, and Chairman of the Bioengineering Faculty 1978 to 1982. His main research interests include all aspects of the interaction of ultrasound and biological media, about which he has published more than 200 journal articles, book chapters, and books.

Floyd Dunn is a Fellow of the Acoustical Society of America (ASA), the Institute of Electrical and Electronics Engineers (IEEE), the

American Institute of Ultrasound in Medicine (AIUM), the American Association for the Advancement of Science, the Institute of Acoustics (UK), and the American Institute of Engineering in Medicine and Biology. He is a member of the National Academy of Sciences and the National Academy of Engineering.

Professor Dunn has received numerous awards, including the Medal of Special Merit of the Acoustical Society of Japan (1988); the ASA Silver Medal in Bioresponse to Vibration (1989); the Career Achievement Award of the IEEE Engineering in Medicine and Biology Society (1995); the 1996 IEEE Edison Medal, and the ASA's Gold Medal (1998) "for creative contributions to fundamental knowledge of ultrasonic propagation in, and interactions with, biological media."

Floyd Dunn is an Associate Editor of the *Journal of the Acoustical Society of America*. He has served ASA in numerous positions including President (1985-86), President-Elect (1984-85), Vice President (1981-82), Vice President-Elect (1980-81), Member of the Executive Council (1977-80), and as member and Chair of numerous committees.

Carol Espy-Wilson named Radcliffe Fellow

Carol Espy-Wilson, professor in the electrical and computer engineering department at the University of Maryland at College Park and Director of the Speech Communication Laboratory, was named a 2008-09 Radcliffe Fellow. Radcliffe Institute fellowships are designed to support scholars, scientists, artists, and writers of exceptional promise and demonstrated accomplishments who wish to pursue work in academic and professional fields and in the creative arts.

During the fellowship year, Espy-Wilson will focus on the noise robustness of a probabilistic landmark-based speech-recognition system. The devel-



Carol Espy-Wilson

opment of this technology is a collaborative effort between researchers in engineering, linguistics, computer science, and rehabilitation science.

Professor Espy-Wilson received a B.S. in Electrical Engineering from Stanford University, and M.S., E.E., and Ph.D. degrees in Electrical Engineering from the Massachusetts Institute of Technology. She was a faculty member at Boston University prior to joining the University of Maryland faculty. She received a National Science Foundation Minority Initiation Award, the Clare Boothe Luce Professorship, a National Institutes of Health (NIH) Independent Scientist Award, and a Honda Initiation Grant. She has received considerable research funding over the years from the National Science Foundation, The National Institutes of Health and from partnerships with various companies.

Professor Espy-Wilson is a fellow of the Acoustical Society of America (ASA), where she currently serves as chair of the Technical Committee on Speech Communication and a member of the Editorial Board of *Acoustics Today*. She is a senior member of the Institute of Electrical and Electronics Engineers; and a past member of the NIH Language and Communication Study Section.



Purnima Ratilal (c)

Purnima Ratilal receives President's Early Career Award

Purnima Ratilal, Assistant Professor in the Department of Electrical and Computer Engineering at Northeastern University, has been named one of the sixty-seven recipients of the 2007 Presidential Early Career Awards for Scientists and Engineers, the United States highest honor for professionals at the outset of their independent scientific research careers. The awards ceremony took place on 19 December 2008 at the White House, presided over by John H. Marburger III, Science Advisor to the President and Director of the White House Office of Science and Technology Policy.

The Presidential Early Career Awards for Scientists and Engineers honors the most promising researchers in the U.S. within their fields. Nine federal departments and agencies annually nominate scientists and engineers whose work shows exceptional promise for leadership at the frontiers of scientific knowledge. Recipients receive up to five years of funding to further their research in support of critical government missions. Purnima Ratilal, was chosen after being nominated by the U.S. Navy for her work on acoustics and remote sensing. She will receive \$200,000 a year for five years.

Purnima Ratilal received a B.Sc.(Hons.) in Physics from the National

University of Singapore, 1994 and a Ph.D. in Ocean Engineering from the Massachusetts Institute of Technology (MIT), 2002. She was a Postdoctoral Associate at the MIT Department of Ocean Engineering (2002-2004) and a Research Engineer at DSO National Laboratories, Singapore (1994-1998).

Dr. Ratilal has also won the Office of Naval Research Young Investigator Award in 2007 and the Office of Naval Research Postdoctoral Award in Ocean Acoustics from 2002 to 2004. She was awarded the R. Bruce Lindsay Award of the Acoustical Society of America in 2006 "for contributions to the theory of wave propagation and scattering

through a waveguide, and to the acoustic remote sensing of marine life."

She is a member of the ASA Technical Committee on Underwater Acoustics and was also one of the nine young investigators selected to present Young Investigator Keynote addresses at the 75th Anniversary Celebration of the Acoustical Society of America in 2004.

Portland State University engineering student awarded a graduate traineeship

Jorge Quijano, a Ph.D. candidate in the Department of Electrical and Computer Engineering (ECE) in the Maseeh College of Engineering and Computer Science at Portland State University (PSU), has been awarded a Graduate Traineeship Award by the Office of Naval Research (ONR). The award is competitively given to students who "have demonstrated a special aptitude and desire for advanced training in ocean acoustics." Quijano's award will provide financial support for up to three years of his Ph.D. studies, including stipend, tuition, and travel expenses.

Jorge Quijano joined PSU in 2004 as a Fulbright scholar to pursue a masters degree in Electrical and Computer Engineering. In 2005 he joined the Northwest Electromagnetics and Acoustics Research Laboratory and in 2006, Quijano was invited to participate in the Navy sponsored Shallow Water 2006 Experiment as part of the



Jorge Quijano

team aboard the Research Vessel Knorr operated by MIT Woods Hole Oceanographic Institution. The experiment was conducted off the eastern coast of the United States and it provided high quality data on ocean bottom acoustic scattering.

Jorge Quijano is a student member of the Acoustical Society of America (ASA) and a member of the Organizing Committee for the Portland ASA meeting to be held in May 2009. He was recently selected Outstanding ECE Ph.D. student for 2008.



Erica Ryherd



Oleg Godin



Martin Pollack

Martin Pollack presents ASME Invited Lecture

Martin Pollack, Corporate Scientist at Applied Physical Sciences Corp. in Groton, Connecticut, presented the American Society of Mechanical Engineers (ASME) 2008 Rayleigh Lecture at the NoiseCon 2008/ASME Noise Control and Acoustic Division Conference in Dearborn, MI in July 2008. The Raleigh Lecturers are selected from among those who have made pioneering contributions to the sciences and applications of noise control and acoustics.

At Applied Physical Sciences Corp., Dr. Pollack has been responsible for developing advanced methods for predicting the acoustic performance of motors and actuators. He is also a member of the Participating Faculty at Union Graduate College, a member of the Acoustical Society of America, and a fellow of the ASME.

Erica Ryherd receives ASHRAE award

Erica E. Ryherd, Assistant Professor, Georgia Institute of Technology, received a 2008 New Faces of Engineering Award from the National Engineer Week Foundation. She was one of five engineers nominated by the American Society for Heating, Refrigerating and Air Conditioning Engineers. The New Faces of Engineering program highlights the interesting and unique work of young engineers and the resulting impact on society. Young engineers two to five years out of school are the focus of this recognition program.

Erica Ryherd received a Ph.D. from the University of Nebraska. She was a postdoctoral researcher at the Sahlgrenska Academy of Medicine in Gothenburg, Sweden and joined the Georgia Tech faculty in 2007. She received the ASA F. V. Hunt Postdoctoral Research Fellowship in Acoustics (2006-07), the Robert Bradford Newman Medal (2002), and the Institute of Noise Control Engineering Martin Hirschorn IAC Prize (2001).

Dr. Ryherd is a member of the ASA and has served on the ASA Student Council. She is faculty advisor, with Karim Sabra, to the ASA's Georgia Tech Student Chapter. Most recently, she was the Technical Committee on Noise representative to the Technical Program Organizing Meeting for ASA's Fall 2008 meeting.

Oleg Godin receives award from the Cooperative Institute for Research in Environmental Sciences

Oleg Godin, a CIRES Senior Research Scientist with ASAP (Advanced

Sensor Application Program) Group at the Physical Science Division of the Earth System

Research Laboratory (NOAA/ESRL) was named recipient of an Outstanding Performance Award by the Cooperative Institute for Research in Environmental Sciences (CIRES). CIRES' Outstanding Performance Awards program was established to recognize exceptional contributions by its members.

Dr. Godin is an authority on the theory of wave propagation in inhomogeneous and moving media. In recent years, he achieved a number of scientific accomplishments, which demonstrate his initiative, resourcefulness and creativity. He developed a theory of the so called "tsunami shadows," i.e., changes in ocean surface roughness induced by tsunami waves, and proposed to use this phenomenon for tsunami detection from space. In 2006-2007, the theory has been confirmed by analyses of satellite imagery. He also discovered the phenomenon of anomalous transparency of water-air interface. The phenomenon completely changes the outlook on the possibility of acoustic communication through the water-air interface and has important geophysical, biological, and national security implications.

With Dr. David R. Palmer of NOAA/AOML, Dr. Godin compiled and edited a 1200-page multi-author book, History of Russian Underwater Acoustics. This book brings to the Western reader a wealth of information, which remained classified or otherwise unavailable. In order to commemorate his late mentor and out-

standing Russian scientist Acad. Prof. L. M. Brekhovskikh, Godin prepared for publication in Russian a fundamental, 1000-page treatise of sound propagation (L. M. Brekhovskikh and O. A. Godin, *Acoustics of Inhomogeneous Media*. Vol. 1, *Fundamentals of Sound Reflection and Propagation Theory*, Nauka, Moscow, 2007; Vol. 2, *Sound Fields in Layered and 3-D Inhomogeneous Environments*, Nauka, Moscow, in press). This book is an extended and updated version of *Acoustics of Layered Media* by the same authors published in English in 1990-1999.



Betty Tuller

Betty Tuller elected fellow of AAAS

Betty Tuller, a member of the Acoustical Society of America, was elected a Fellow of the American Association for the Advancement of Science in November 2008. New AAAS fellows will be recognized at the Fellows Forum during the AAAS Annual Meeting in February. Dr. Tuller earned her doctorate in Psychology from the University of Connecticut in 1980. She is Professor of Psychology at Florida Atlantic University Center for Complex Systems and Brain Sciences and is currently a Program Director for Perception, Action, and Cognition at the National Science Foundation.

ASA members receive Audio Engineering Society Awards in 2008

The Audio Engineering Society (AES) presented its Fellowship award to four

members of the Acoustical Society of America (ASA) at its 125th Convention in October 2008. The Fellowship Award is given to a member who had rendered conspicuous service or is recognized to have made a valuable contribution to the advancement



Robert Maher

in or dissemination of knowledge of audio engineering or in the promotion of its application in practice.

Robert C. Maher is Department Head and Professor in the Department of Electrical and Computer Engineering at Montana State University. He holds a BS from Washington University in St. Louis, an MS from the University of Wisconsin-Madison, and a Ph.D. from the University of Illinois-Urbana, all in Electrical Engineering. His research and teaching interests are in the area of digital signal processing, with particular emphasis on applications in digital audio, digital music synthesis, and acoustics. Professor Maher was cited “for research contributions in, teaching



Neil Shaw

of, and service relating to digital audio signal processing.”

Neil A. Shaw, of Menlo Scientific Acoustics, Inc., in Topanga, California, and the University of Southern California Thornton School of Music faculty, is a Fellow of ASA and serves as a Patent Reviewer for the *Journal of the Acoustical Society of America*. He studied at the Cooper Union in New York and received BS Engineering and MS Engineering degrees from the University of California, Los Angeles and has been a design consultant for more than 32 years. Neil Shaw was recognized “for contributions to engineering acoustics, sound reinforcement, and service to the Society.” He is a member of the ASA Technical Committees on Architectural



Julius Smith (r)

Acoustics, Engineering Acoustics, and Physical Acoustics and the Committees on Books+, Education in Acoustics, and Regional Chapters.

Julius O. Smith is Professor of Music and Associate Professor (by courtesy) of Electrical Engineering at Stanford University, based at the Center for Computer Research in Music and Acoustics (CCRMA). He received MS and Ph.D. degrees from Stanford University. Activities include teaching courses in signal processing and music technology, graduate student advising, and research in signal processing techniques applied to music and audio. Professor Smith, a Fellow of ASA and a member of the ASA Technical Committee on Musical Acoustics, was cited "for applications of digital signal processing to musical acoustics."



Victor Zue

ASA member named Fellow of the ISCA

ASA Fellow Victor Zue was among the first group of fellows named by the International Speech Communication Association (ISCA) which began its Fellow Program to recognize and honor outstanding members who have made significant contributions to the field of speech communication science and technology.

Professor Zue, who is a Fellow of the Acoustical Society of America, is Professor of Electrical Engineering and Computer Science at the Massachusetts Institute of Technology and Co-Director of the Institute's Computer Science and Artificial Intelligence Laboratory (CSAIL). He was cited by ISCA "in recognition of his pioneering work in spoken dialogue systems and in spectrogram analysis.



Laymon Miller (r)

INCE Outstanding Educator Award

Laymon N. Miller has been selected to receive the Outstanding Educator Award of the Institute of Noise Control Engineering of the USA (INCE/USA). The award was given for developing and teaching to thousands of professionals the longest-running and best-attended series of lecture courses on the principles and practical aspects of applied engineering noise control. Since 1969, the course has been taught at dozens of cities and companies throughout North America. He has also prepared outstanding published handbooks and manuals on industrial noise control engineering in use by engineers nationwide. Laymon Miller has served as a trusted and respected mentor for many less-experienced younger associates, and has provided his students and clients a better understanding and awareness of the

importance and benefits of acoustics and noise control engineering. Over a period of 60 years, he has prepared numerous scholarly publications, and has given presentations at professional societies.

ASA paints for Miami Habitat for Humanity

For the second year in a row, on the final day of the ASA meeting, ASA members have donned their work clothes and devoted a day to the Habitat for Humanity. Last year it was for the New Orleans Area Habitat for Humanity. This year it was for the Miami Habitat for Humanity. This effort was again coordinated by ASA member Brandon Tinianov. Thanks Brandon. The Habitat for Humanity organization is an ecumenical, Christian ministry dedicated to building homes and communities in partnership with low-income families. This organization provides ownership opportunities to low-income families in communities of need by building and renovating modest homes with family partners and providing them with interest-free loans for the purchase of these homes. In other words, future home-owners are required to invest their time along with the skilled Habitat tradesmen and to work should



Michelle, a soon to be homeowner shown here in the blue tee shirt, works happily alongside some of the ASA crew members.

der-to-shoulder with the volunteers, like the ASA crew.

The Miami ASA crew arrived early Friday morning at the Abraham Villas, Habitat for Humanity site in Miami. This project included several clusters of one- and two-bedroom townhomes in various stages of completion. As directed, the ASA crew members were armed with hammers, nail aprons—furnished by Serious Materials—and gloves as they were instructed to do. The crew was immediately put to work painting. So much for the hammers. The crew's assigned task for the day was to apply two and in some places three coats of paint to all walls and ceilings of one of the townhomes. This unit and one other were scheduled for floor tile the next day and the painting had to be finished before the tile could be installed. The ASA crew proved to be good painters, hard workers, and very productive. Not only did they finish their assigned townhome, they also finished another one when the volunteers who were supposed to paint the other townhome were misdirected to another Habitat project site. Without hesitation, the ASA crew jumped in and painted the second one too. Note that beautiful, skillful paint job on the walls (No, not on their clothes.) in the above photo.

The ASA crew with Irwin and John as Habitat for Humanity supervisors are pictured above, sans Kenric VanWyk



who left earlier to catch a plane and Dave Adams who was taking the photo.

The ASA crew consisted of: Dave Adams, D. L. Adams Associates, Inc.; Michael Canney, Applied Physics Laboratory, Univ. of Washington; Margaret Frisk, Accompanying person, Florida Atlantic University; Thomas Pellegrino, Advanced Resources Inc.; Joe and Ruth Perrell, Massachusetts Institute of Technology; Mike Spencer, Lewis S. Goodfriend & Associates; Brandon Tinianov, Serious

Materials, Inc.; Kenric Van Wyk, Acoustics by Design; Jie Yang, Applied Physics Laboratory, University of Washington

Thanks to each of you for your hard work and for representing the Acoustical Society of America in such a grand fashion. We're proud of you and we're proud of how you've shown once again that ASA members do have hearts. And, thank you Brandon for coordinating this event. Let's do it again. It was great fun.--David Adams

USA Meetings Calendar

2008

- 18-22 May 157th Meeting of the Acoustical Society of America, Portland, OR [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; WWW: <http://asa.aip.org>].
- 24-28 June 5th International Middle-Ear Mechanics in Research and Otology (MEMRO), Stanford University, Stanford, CA [<http://memro.2009.stanford.edu>].
- 26-30 October 158th Meeting of the Acoustical Society of America, San Antonio, TX [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; WWW: <http://asa.aip.org>].

2010

- 19-23 April 158th Meeting of the Acoustical Society of America, Baltimore, MD [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; WWW: <http://asa.aip.org>].
- 15-19 November 2nd Pan-American/Iberian Conference on Acoustics (Joint Meeting of the Acoustical Society of America, Mexican Institute of Acoustics, and Iberoamerican Federation on Acoustics), Cancun, Mexico [Acoustical Society of America, Suite 1NO1, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2360; Fax: 516-576-2377; Email: asa@aip.org; WWW: <http://asa.aip.org>].