

Elaine Moran

*Acoustical Society of America
Melville, New York 11747*



Susan E. Parks

Susan E. Parks receives 2009 Presidential Early Career Award

Susan E. Parks, Assistant Professor of Acoustics in The Pennsylvania State University's (PSU) Graduate Program in Acoustics and Research Associate at the Applied Research Laboratory, PSU, was named one of 100 recipients of a Presidential Early Career Award for Scientists and Engineers, the highest honor bestowed by the United States government on young professionals in the early stages of their research careers. Recipients will receive their awards in the Fall at a White House ceremony.

The awards, established by President Clinton in February 1996, are coordinated by the Office of Science and Technology Policy within the Executive Office of the President. Awardees are selected on the basis of two criteria: Pursuit of innovative research at the frontiers of science and technology and a commitment to community service as demonstrated through scientific leadership, public education, or community outreach. Winning scientists and engineers receive up to a five-year research grant

to further their study in support of critical government missions. Nine Federal departments and agencies join together annually to nominate the most meritorious young scientists and engineers. Parks was among the 41 recipients nominated by the Department of Defense.

Susan Parks, a graduate of the Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program in Oceanography, received her Ph.D. in Biological Oceanography in 2003. Her research is focused on behavioral ecology and bioacoustics, investigating acoustic communication by marine mammals. Currently, Susan is working on the use of sound by the North Atlantic right whale and southern right whale, and the humpback whale, studying behavioral aspects of sound production, the perceptual abilities of whales, and the impact of noise on their acoustic communications.

Susan Parks is a member of the Acoustical Society of America, the Animal Behavior Society, the Society for Marine Mammalogy, the European Cetacean Society, and the North Atlantic Right Whale Consortium. She also received an Office of Naval Research Young Investigator Award in 2008.

Jeffrey Fox named ASA/AIP Congressional Fellow

Jeffrey Fox has been selected by the Acoustical Society of America (ASA) and the American Institute of Physics (AIP) as their first jointly-sponsored Congressional Science and Engineering Fellow. He will serve on Capitol Hill during the 2009-10 academic year.

Dr. Fox graduated with a Ph.D. in Physics from Cornell University, where he was a visiting scientist at Cornell's Center for Applied Mathematics. Fox's experience with industry and academia will enable him to effectively communicate on behalf of science and technology in many ways. His background is interdisciplinary, including helping to develop mathematical models of car-



Jeffrey Fox

diac electrical activity by applying non-linear dynamics to the study of heart rhythm disorders. As a new Ph.D., Fox worked at a biotechnology start-up company where he developed software for investigating cardiac rhythm disorders. There he discovered the challenges faced by many small biotech firms during the drug discovery and development process, including dealing with intellectual property issues and finding ways to bridge the academic/industrial divide to translate innovative research into new products and services. This work also sparked Fox's interest in policy, especially in the areas of healthcare and the economy. Fox also is interested in education, and has served as a volunteer teaching third grade students in math and science. His interest in education policy is founded on the principle that long-term, effective policies in education will be critically important to other policy areas, and that maintaining excellence in science and math is necessary for our nation's well-being.

ASA partnered with AIP to co-sponsor a Congressional Science and Engineering Fellow and to help expand AIP's fellowship program from one fellow to two. Past congressional fellows,

including members from ASA, have made contributions by bringing their scientific and engineering background and training to the federal legislative process. The Congressional Science and Engineering Fellowship program enables qualified, highly-motivated scientists to actively participate in the federal government's policymaking process. Fellows gain insight into the workings of government, learn how to contribute their voices and knowledge to the policy-making process, and perform a public service by providing skilled support to help inform policy decisions. Applications are due January 15 of each year. Application instructions can be found at: <http://aip.org/gov/fellowships/cf.html>. The need for dialogue between the science community and the federal government has never been greater. All qualified candidates are encouraged to apply.

Kirill Horoshenkov awarded the Brian Mercer Award for Innovation

Kirill Horoshenkov, of the University of Bradford, has won a £155,000 Brian Mercer Award for Innovation from The Royal Society for the development of a new sensor that will allow engineers to rapidly identify blockages and damage to sewer pipes. It is likely to offer a 100-fold improvement in the productivity of sewer inspection. A video describing the device can be viewed at <http://www.youtube.com/watch?v=bX>



Kirill Horoshenkov (l) and colleague Simon Tait (r)

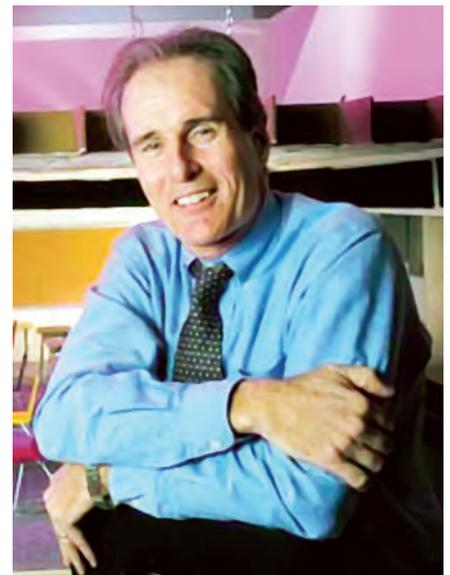
kjmfPD2qs. The award was presented by Lord Drayson at the annual Royal Society Labs to Riches event in London on 15 May 2009. Two Brian Mercer awards per year are given to encourage innovation in science and technology and promote the commercial application of research.

Kirill Horoshenkov received a Ph.D. in Acoustics from the University of Bradford in Bradford, West Yorkshire, UK. He joined the University of Bradford Faculty of Engineering in 1992 and has been Professor of Acoustics since 2005. He is a member of the Acoustical Society of America and Fellow of the Institute of Acoustics (UK). He was awarded the Tyndall Medal of the Institute of Acoustics (UK) in 2006. Dr. Horoshenkov currently serves as an Associate Editor of the *Journal of the Acoustical Society of America*, the *Journal of Applied Acoustics* and he is a Member of the Council of the UK's Institute of Acoustics.

Gary Siebein elected fellow of AIA

Gary W. Siebein, President and Senior Principal Consultant for Siebein Associates, Inc. has been named a fellow of the American Institute of Architects (AIA). He is one of 2,765 members of the AIA distinguished with this honor out of a total AIA membership of almost 86,000. He is also one of a very small number of Architects who are fellows of both the American Institute of Architects and the Acoustical Society of America. Dr. Siebein received his AIA Fellowship medal during the Investiture of Fellows Ceremony at the 2009 National Convention and Design Exposition held in San Francisco on 1 May 2009.

Gary Siebein is Principal Senior Consultant of Siebein Associates in Gainesville, Florida and Professor at the University of Florida. He received his B.S.



Gary Siebein

and B.Arch degrees from Rensselaer Polytechnic Institute. He is President of the Florida Chapter of the Acoustical Society of America and is a member of the National Council of Acoustical Consultants, Institute of Noise Control Engineers, American Society of Hearing, Refrigerating and Air-Conditioning Engineers and the American Society for Testing and Materials.

Leif Bjørnø receives ICU Gold Whistle Award

The first Gold Whistle Award of the International Congress on Ultrasonics (ICU) was presented to Professor Leif Bjørnø during the recent ICU in Chile in January 2009 in recog-



Leif Bjørnø

dition of his central role in ICU for more than 40 years. This new award is given “for outstanding contributions to the development of ultrasound fundamentals and applications in nature, engineering and medicine as well as for outstanding contributions to the promotion of ultrasonic conferences.” The recipients of this award are nominated by the Ultrasonics Board of Directors. The award comprises a diploma and a gold plated tri-tone samba whistle with a strong overtone spectrum in the ultrasonic frequency range. The whistle symbolizes leadership in ultrasound.

Leif Bjørnø was Professor of Industrial Acoustics and head of the Department of Industrial Acoustics at the Technical University of Denmark from 1978 to 2000. He has been editor or member of the editorial board for several international scientific journals, and has supervised more than 40 Ph.D. students and 100 MSc students. Dr. Bjørnø has been active in commercial applications of acoustics and has served as the Chairman of the Board of Directors of eight companies, including the well known international Company, RESON, a manufacturer of transducers and underwater sonar systems. He also served as Editor-in-Chief of the journal *Ultrasonics*.

Leif Bjørnø is Knight of the Order of Dannebrog, a member of the Danish Academy of Technical Sciences and the Danish Academy of Natural Sciences; he holds an Doctor Honoris Causa from The University of Harbin, China as well as from the University of Crete, Greece. He was awarded the Lord Rayleigh Gold Medal by the Institute of Acoustics in the UK, the Foreign Acoustician Gold Medal from the French Acoustical Society, and a Medal of Merit from Gdansk University of Technology. He is a Fellow or Honorary Member of several international learned societies including the Acoustical Society of America

David Fabry awarded the Distinguished Achievement Award

David Fabry, Chief of Audiology at the University of Miami Miller School of Medicine, has been awarded the Distinguished Achievement Award by the American Academy of Audiology for

his outstanding contributions to the profession of audiology. Recipients of this award may include audiologists who are or have been exceptional educators in the classroom or clinic, have been innovative in program development, pioneering in areas of clinical service delivery, teaching, or research, or any combination of these areas. The contributions made by the recipients of the Distinguished Achievement Award must have an impact on the profession of Audiology as a whole and not just at a state or local level.

David Fabry received B.A., M.A. and Ph.D. degrees from the University of Minnesota. Since obtaining his PhD, he has held positions at Walter Reed Army Medical Center as a research audiologist, the Mayo Clinic as head of audiology and clinical audiologist, Phonak as the vice president of professional relations and education, and most recently as head of audiology at the University of Miami Medical Center. As a researcher, he has published more than 60 articles in a variety of journals. He has served as a president of his state audiology association in Minnesota as well as the president of the American Academy of Audiology. He was the section editor for amplification for *Ear and Hearing*, the editor of *American Journal of Audiology*, and is currently the content editor of *Audiology Today*. He is a Fellow of the American Speech-Language-Hearing Association and a member of the Acoustical Society of America and American National Standards Institute Working Group S3-48—Hearing Aids.

David Preves receives Samuel F. Lybarger Award

David Preves has been awarded the Samuel F. Lybarger Award for Achievements in Industry by the American Academy of Audiology. Dr. Preves was recognized for his contributions to the profession of audiology and the hearing aid industry including innovations to hearing aid design and for pioneering work in directional microphones, integrated circuits, and feedback management. This award is given for significant pioneering activity (research, engineering, or teaching) within the field of hearing. Samuel



David Preves

Lybarger was a leading hearing instrument engineer who designed one of the first wearable hearing aids.

David Preves received B.S. and M.S. degrees in Electrical Engineering from the University of Illinois and a Ph.D. in Biomedical Engineering from the University of Minnesota. He is current a DSP Research Engineer at Starkey Laboratories. Dr. Preves's publications include more than 500 reports, articles, and patent teachings. In addition to his many engineering contributions, Dr. Preves is a Fellow of the Acoustical Society of America and Chair of American National Standards Committee S3 on Bioacoustics. He has also served as chair of the American National Standards Institute (ANSI) Working Group S3-48 on Hearing Aids, a role he assumed from Sam Lybarger himself in 1983.

Sandra Gordon-Salant awarded the Jerger Career Award

Sandra Gordon-Salant, Professor in the Department of Speech and Hearing Sciences at the University of Maryland, has been awarded the Jerger Career Award for Research in Audiology by the American Academy of Audiology. This award is given to a senior level audiologist with a distinguished career in audiology. Candidates must be members of the Academy, have at least 25 years of research productivity in audiology, as well as have made significant contributions to the practice and/or teaching of

audiology. The award is named after Dr. James Jerger, currently a Distinguished-Scholar-In Research at the University of Texas at Dallas and a Fellow of the Acoustical Society of America.

Dr. Gordon-Salant received a B.S. in Speech Pathology from SUNY Albany and M.A. and Ph.D. degrees in Audiology from Northwestern University. Following receipt of her Ph.D. she joined the faculty at the University of Maryland, where she has remained ever since and where she has developed and sustained an outstanding research career devoted to attaining a better understanding of the auditory perceptual problems experienced by older adults. Dr. Gordon-Salant, working in collaboration with her long-time colleague and friend, Pete Fitzgibbons, was one of the first to clearly establish that older adults have great difficulty processing rapid sounds, including time-compressed or rapidly articulated speech. More importantly, she was able to demonstrate that such difficulties were age related and not just a simple consequence of peripheral hearing loss. The excellence of her programmatic research in these areas was recognized recently by the National Institute on Aging when her grant application received a prestigious MERIT award, adding an additional five years of National Institutes of Health support to her funded five-year application.

Dr. Gordon-Salant is a Fellow of the American Speech-Language-Hearing



Sandra Gordon-Salant

Association and member of several scientific societies including the Acoustical Society of America, the American Academy of Audiology, the American Auditory Society, and the Association for Research in Otolaryngology. She has served as Editor of the *Journal of Speech, Language and Hearing Research* (Hearing Section). Dr. Gordon-Salant is the author or editor of 10 book chapters and 50 referred publications as well as editor, with R. Frisina, of *The Aging Auditory System: Perceptual Characterization and Neural Bases of Presbycusis* (Springer, 2009).

Scripps Oceanography Building Honors Fred Spiess

The existing Scripps Nierenberg Hall Annex (NTV) building at the University of California Scripps Institution of Oceanography has been rededicated as Spiess Hall in a ceremony held in January 2009. The naming of the building recognizes the exceptional career and life of late, legendary Scripps oceanographer Fred Noel Spiess who was a Fellow of the Acoustical Society of America.

Spiess, who died in 2006, had been affiliated with Scripps Oceanography since 1952 and was a distinguished scientist and former director of Scripps. At the time of his death, Spiess was a professor emeritus of oceanography at the Scripps Marine Physical Laboratory and had a successful scientific career that spanned more than 50 years. During this period, he had an enormous impact on ocean sciences as a sea-going researcher who led an average of two major oceanographic expeditions a year for more than 40 years. Spiess was widely known for his contributions to the development of innovative ocean technology. He was tireless in defining new ways to look at the deep ocean and seafloor. He designed and built instruments, took them to sea for deployment and led numerous expeditions to investigate the deepest



Fred Spiess and Spiess Hall

parts of the world's oceans. He was also co-inventor of the one-of-a-kind research platform called FLIP, the Floating Instrument Platform, almost 50 years ago. FLIP, which is still in use today, is towed out to sea, then ballast tanks are flooded, causing a 90-degree horizontal-to-vertical flip. This vertical orientation creates a stable platform for conducting research at sea.

Intel International Science and Engineering Fair

The Intel International Science and Engineering Fair (ISEF) was held 10-16 May 2009, at the Reno-Sparks Convention Center in Reno Nevada, home of the University of Nevada Reno and the Desert Research Institute. A total of 855 male and 708 female finalists from around the world competed for prizes within selected disciplines and for special awards from groups like the Acoustical Society of America (ASA). The students consisted of 186 Freshmen, 299 Sophomores, 494 Juniors, and 584 Seniors, and they were evaluated by 800-1000 judges organized into groups of 3 or more that took responsibility for the various disciplines. The largest number of projects were associated with Medicine and Health (144) followed by Engineering: Electrical (138), Energy and Transportation (120), and a tie for (110) in the disciplines of Environmental Management and Physics and Astronomy.

Judges W. Patrick Arnott, Katherine McCall, and Timothy Darling represented ASA. The judges often participate in local science fairs



Katherine McCall (far right) presents certificates to ASA award winners

and so were eager to work this one as well. As with the ASA, entries spanned subdisciplines of Acoustics including music, psychology, speech, hearing, vibration, engineering, physics, and architecture. On the first day, we discussed the philosophy of the science fair with experienced judges, and selected ASA related abstracts. We visited each of the selected projects, without the students present, and narrowed our list to a smaller subset based on quality and relevance. On the second day we used the special judging time to visit all of the ASA related entries and to interview the high school students. The students were well-spoken, bright, motivated, and taught us about their projects.

Katherine McCall administered the ASA awards during the grand ceremony.

We chose first and second places, and two honorable-mention awards. In first place was “Engineering a system to record head related transfer functions of sound from various directions” by Jordan D. Zesch, 17, Junior; and Angad Jolly, 17, Senior, Keystone School, San Antonio, TX. Second place was “Do you ‘ear Wha’ I ear? II. Lowering voice frequencies in real time to revolutionize hearing assistance technology” by Nicholas M. Christensen, 17, Junior, Wetumpka High School, Wetumpka Alabama. An honorable mention was given to “Violin or voice... brain food for Alzheimer’s patients” by Skye N. Singleton, 16, Sophomore, Bartlesville Mid-High, Bartlesville, OK. The other honorable mention went to “Hey, Can you hear me? Using Isobel contour

mapping to determine acoustically optimum seating positions in a given classroom” by Chaneg Torres, 15, Sophomore, Redeemer Baptist School, North Parramatta, New South Wales Australia. Congratulations to these students and their mentors for fine projects!

The primary specialty of all ASA judges this year was Physical Acoustics, so in subsequent years it might be wise to find judges spanning a large set of ASA sub-disciplines if possible. We thought that offering the honorable mention awards increased our impact and was a great use of the time spent on judging. In future years it would be a very good idea to provide the judges with 50 or so ASA pins and a small card explaining a little bit about the ASA, and that the student’s work was evaluated by the ASA for a special award. Students collect these pins and are thrilled to have their work evaluated by judges.

From Reno NV, W. Patrick Arnott, Katherine McCall, and Timothy Darling

Vanderbilt Research Report

The Department of Hearing and Speech Sciences at Vanderbilt University, a division of the Vanderbilt Bill Wilkerson Center, has produced its 18th Research Report, which lists personnel, describes research facilities, and includes abstracts of recent publications and manuscripts. Topic areas include Hearing and Vestibular Science, Speech and Language Science, and Neuroscience. The report is available at: <http://www.mc.vanderbilt.edu/root/vumc.php?site=rhss>

Calendar of Meetings and Congresses

2009			
06-10 Sept.	Brighton, UK. InterSpeech 2009 Conference. Web: http://www.interspeech2009.org	19-23 Sept.	Rome, Italy. IEEE 2009 Ultrasonics Symposium. E-mail: pappalar@uniroma3.it
07-11 Sept.	Dresden, Germany. 9th International Conference on Theoretical and Computational Acoustics. Web: http://ictca2009.com	21-23 Sept.	Beijing, China. Western Pacific Acoustics Conference (WESPAC). Web: http://www.wespacx.org
14-18 Sept.	Kyoto, Japan. 5th Animal Sonar Symposium. Web: http://cse.fra.affrc.go.jp/akamatsu/AnimalSonar.html	23-25 Sept.	Xi’an, China. Pacific Rim Underwater Acoustics Conference (PRUAC). E-mail: lfh@mail.ioa.ac.cn
15-17 Sept.	Koriyama, Japan. Autumn Meeting of the Acoustical Society of Japan. Web:	23-25 Sept.	Cádiz, Spain. TECNIACUSTICA’09. Web: www.-sea-acustica.es

- 05-07 Oct. Tallinn, Estonia. International Conference on Complexity of Nonlinear Waves. Web: www.ioc.ee/cnw09
- 18-21 Oct. New Paltz, NY, USA. IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA 2009).
- 26-28 Oct. Edinburgh, UK. Euronoise 2009. Web: <http://www.euronoise2009.org.uk>
- 26-30 Oct. San Antonio, TX, USA. 158th Meeting of the Acoustical Society of America. Web: <http://asa.aip.org/meetings.html>
- 05-06 Nov. Dübendorf, Switzerland. Swiss Acoustical Society Autumn Meeting. Web: www.sga-ssa.ch
- 18-20 Nov. Kyoto, Japan.. 30th Symposium on Ultrasonics Electronics. Web: www.use-jp.org/USE2009/en/index.html
- 23-25 Nov. Adelaide, Australia. Australian Acoustics Society National Conference. Web: www.acoustics.asn.au/joomla
- 2010**
- 08-11 March Berlin, Germany. Meeting of the German Association for Acoustics DAGA 2010. Web: www.daga-tagung.de/2010
- 15-19 March Dallas, TX, USA. International Conference on Acoustics, Speech, and Signal Processing. Web: <http://icassp2010.org>
- 19-23 April Baltimore, MD, USA. Joint meeting: 159th Meeting of the Acoustical Society of America and Noise-Con 2010. Web: <http://asa.aip.org/meetings.html>
- 27-30 April Ghent, Belgium. Institute of Acoustics/Belgian Acoustical Association Joint Meeting. Web: www.ioa.org.uk/viewupcoming.asp
- 09-11 June Aalborg, Denmark. 14th Conference on Low Frequency Noise and Vibration. Web: <http://lowfrequency2010.org>
- 13-16 June Lisbon, Portugal. INTERNOISE2010. Web: www.internoise2010.org
- 23-27 August Sydney, Australia. International Congress on Acoustics 2010. Web: www.ica2010sydney.org
- 14-18 Sept. Kyoto, Japan. 5th Animal Sonar Symposium. Web: <http://cse.fra.affrc.go.jp/akamatsu/AnimalSonar.html>
- 15-18 Sept. Ljubljana, Slovenia. Alp-Adria-Acoustics Meeting joint with EAA. E-mail: mirko.cudina@fs.uni-lj.si
- 26-30 Sept. Makuhari, Japan. Interspeech 2010 - ICSLP. Web: www.interspeech2010.org
- 14-16 Oct. Niagara-on-the Lake, Ont., Canada. Acoustics Week in Canada. Web: <http://caa-aca.ca/E/index.html>
- 11-14 Oct. San Diego, California, USA. IEEE 2010 Ultrasonics Symposium. E-mail: bpotter@vectron.com
- 15-19 Nov. Cancun, Mexico. Second Pan-American/Iberian Meeting on Acoustics (Joint meeting of the Acoustical Society of America, Iberoamerican Congress of Acoustics, Mexican Congress on Acoustics. Web: <http://asa.aip.org/meetings.html>
- 19-20 Nov. Brighton, UK. Reproduced Sound 25. Web: www.ica.org.uk/viewupcoming.asp
- 2011**
- 27 June-01 July Aalborg, Denmark. Forum Acusticum 2011. Web: www.fa2011.org
- 27-31 August Florence, Italy. Interspeech 2011. Web: www.interspeech2011.org
- 05-08 Sept. Gdansk, Poland. International Congress on Ultrasonics. Web: TBA
- 04-07 Sept. Osaka, Japan. Internoise 2011. Web: TBA
- 2013**
- 02-07 June Montréal, Canada. 21st International Congress on Acoustics (ICA 2013) (Joint meeting: International Congress on Acoustics, Acoustical Society of America, Canadian Acoustical Association). Web: www.ica2013montreal.org