

KEVIN B. SMITH

Education:

PhD University of Miami, 1991 (Applied Marine Physics)
MS Yale University, 1988 (Physics)
AB Rollins College, Magna Cum Laude, 1986 (Physics)

Experience:

90-92 Daubin Systems, Inc., Research Scientist
91-92 University of Miami, Postdoctoral Research Associate
92-94 University of California, San Diego, Postdoctoral Research Associate
95-96 EOS Research Associates, Research Scientist
95-00 Naval Postgraduate School, Assistant Professor of Physics
00-08 Naval Postgraduate School, Associate Professor of Physics
08- Naval Postgraduate School, Full Professor of Physics and NPS Director of Outreach, East Coast

Research Concentrations:

Applied physics, especially underwater acoustic propagation and modeling with emphasis on localization, littoral environments, pulse propagation and SONAR system performance. Physical modeling and signal processing applied to problems of significant military relevance.

Teaching:

Instructional Recognition Award in Undersea Warfare Academic Group at NPS in 2000; developed new courses ocean acoustic propagation and scattering, and revised other courses; makes underwater acoustics interesting, relevant and understandable to students.

Theses:

Advisor for more than 30 MS students, Co-Advisor for more than 12 MS students, member of 4 PhD committees.

Publications:

38 refereed journal publications, 2 book chapters, 1 book edited

Service:

Internal: NPS Director of Outreach, East Coast, 2008-present. Chairman of Engineering Acoustics Academic Committee, 1997-2008. Associate Chairman for Research in the Department of Physics, 2003-2005. Faculty Council Representative at Large, 2002-2004, and Member of Faculty Council Executive Board, 2004. Member of Undersea Warfare Academic Group/Committee since 1995. Academic Council Representative for Undersea Warfare Academic Group (served on Ph.D. Degree Subcommittee), 1996-1999. Member, NPS Functionality Assessment Team, 2001-2002. Team Leader, NPS Travel Implementation Team, 2002-2003. Member, Physics Department Ph.D. Committee, 1996-2005. Co-organizer of NPS Discovery Day, 1998-1999. Chair of Physics Department Recruitment Committee, 1999. Member of Physics Department Recruitment Committee, 1996. Member of Physics Department Chairman Search Advisory Committee, 1996.

External: Visiting Professor at NUWCDIVNPT, 2006-2008. Reviewer for four major journals. Organizer of Vector Sensor Processing Working Group at NUWCDIVNPT. Member of Acoustical Society of America (ASA) since 1990. Member of ASA Tech Committees on Underwater Acoustics (1997-present), Signal Processing (2005-present), Education in Acoustics (2001-2004), and Public Relations in Acoustics (2003-2006). Organized/chaired four special sessions at ASA meetings. Organized one major conference at NPS, 1999. Co-organized one major conference in Istanbul, Turkey, 2005. Member of two PhD committees at University of Rhode Island. Adjunct Professor at University of Rhode Island, 2008-present. Chaired numerous special sessions at international conferences. Manager of ONR's Ocean Acoustics Library Web Page (Parabolic Equation Models section), 1999-present. Monterey County Science Fair Judge, 1995, 1998 and 1999.

DoD Relevance:

Emphasizes military applications in instruction. Advisor of numerous, award-winning theses that have had immediate military implications (undersea environmental awareness, passive localization, advanced processing of towed array systems).