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EDUCATION:

Ph.D. University of Delaware, Applied Ocean Science, Newark, Delaware, 1990.
M.S.,BS American Univ., Environmental Systems Analysis, Wash., DC, 1976,1995.

EXPERIENCE:

1999-Present Associate Professor-College of Engineering, DMES Dept., Florida Tech.
1992-1998 Assistant Professor-College of Engineering, DMES Division, Florida Tech.
1990-1992 Post Doctoral Fellowship, University of Delaware, Applied Ocean Sciences.
1987-1989 Physical Scientist, NOAA, Strategic Assessments Branch, Rockville Maryland.
1984-1987 Graduate Research Scientist, University of Delaware, Newark Delaware.
1976-1984 Principal Investigator & Chief, Technical Analysis & Data Management
Section,
Maryland Department of Natural Resources, Annapolis, Maryland.
1989-Present Owner, KB Science

PROFESSIONAL ACTIVITIES:

Society Memberships: Sigma XI, AGU, ASLO, SPIE, ERF, ASEE, CERF, IEEE, Past President, Maryland State Chapter NAEP, Peer reviewer for ASLO, SPIE, PERS, DOE, ASTM, DOD & EPA Peer Review Panels; Conference Co-Chair, *Conference on Remote Sensing of the Ocean and Sea Ice*, SPIE, 1998 thru 2006; Remote Sensing Int. Workshop & Short-course: *Hyperspectral Optical Signatures and Imagery*, Course Coordinator and Instructor, at 1977, 4th Int. Conference on Remote Sensing for Marine and Coastal Environments, Sponsored by: ERIM, SPIE, Silicon Graphics, Inc., Orlando, Fl.; Invited Session Chairman, *Hyperspectral Optical Signatures & Imagery*, 4th Int. Conf. on Remote Sensing for Marine and Coastal Env., 1997, Sponsored by the ERIM, Orlando, Fl.; Program Committee Member, 4th International Conference on Remote Sensing for Marine and Coastal Environments, 1997, Sponsored by ERIM, NASA, and NOAA/NESDIS, Orlando, Fl.; Program Member, Eco-Informa, “*Computer Networks for Env. Information*”, Orlando Fl., 1977; -Session Chair, Session: *Remote Sensing Platforms*, Eco-Informa, “*Computer Networks for Environmental Information*”, Orlando, Florida, September, 1977; Member NSF Scientific Advisory Board, CenSIS, Subsurface Remote Sensing, Engineering Research Center, 2005-2006.

RECENT PROJECTS

Project Lead, US Department of Education, Open International Curriculum, Remote Sensing, Robotics & Risks – Humanitarian Demining & UXO Detection, \$85,000; Co-PI, NASA Hyperspectral Airborne Remote Sensing Protocol, \$880,000, 2001-2005.