



Andrew J. Blanchard

Professor, Electrical Engineering

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Research Interests

- Mathematical Modeling of Electromagnetic Phenomena; Microwave Theory and Design; Radar System and Antenna Analysis
- Radar Cross-Section Measurements; Tomographic Imaging (Microwave and Acoustic)
- Electro-Optical System Design and Modeling

Education

- Ph.D., Electrical Engineering, Texas A&M University (1977)
- M.S., Electrical Engineering, Colorado State University (1974)
- B.S. Electrical Engineering, University of Southwestern Louisiana (1972)

“Fearless Engineering places you at the heart of an engineering solution. It allows failure, creativity, sharing, and innovation in the solution space. It lets you deliver the best value to the customer.”

Professional Highlights

Andrew J. Blanchard received the B.S. degree from the University of Southwestern Louisiana, in 1972, the M.S. degree from Colorado State University in 1974, and the Ph.D. degree from Texas A&M University, College Station, in 1977, all in electrical engineering.

Prior to joining UTD, Dr. Blanchard was employed in academia, worked in industry, and served as a consultant to government and industry where he managed multi-million dollar programs. He has held full professorships with the Department of Electrical Engineering at The University of Texas at Dallas, the University of Missouri-Columbia, and The University of Texas at Arlington. He was a Research Engineer and recognized as a Research Fellow for outstanding research performance for three years with the Texas Engineering Experiment Station. From 1977 to 1979 he was Group Supervisor of the Remote Sensing Group in the Exploration Research Division of Conoco, Inc., Ponca City, OK. From 1989 to 1995 he worked with the Houston Advanced Research Center (HARC), serving as the Director of the Strategic Technology and Research Center. From 1995 to 2000 he was employed as the Director of Research and Budget for the College of Engineering at the University of Missouri-Columbia. Recently he served as Vice President –Technology,

Clean Earth Technologies, where he was responsible for building programs in RF and optical sensor systems, imaging and network technologies, and weapons/sensor datalinks. His areas of technical specialization include mathematical modeling of electromagnetic phenomena; RF systems theory and design, radar system and antenna analysis; radar cross section theory and measurements, tomographic imaging (microwave, optical and acoustic), and electro-optical system design and modeling.

Dr. Blanchard is a member of the Electromagnetics Society, URSI Commission F, IEEE Geoscience Remote Sensing Society (GRSS), and the GRSS Fellow Evaluation Committee. He is affiliated with AGU, Phi Kappa Phi, Eta Kappa Nu, ASEE and Tau Beta Pi. In 1986 he received the Eta Kappa Nu MacDonald Award as the "Outstanding Electrical Engineering Professor in the United States of America." He is a registered professional engineer in the State of Texas, No. 48445, and an Institute of Electrical and Electronics Engineers (IEEE) Fellow. His contributions to the IEEE GRSS AdCom since becoming a member in 1986 include Newsletter Editor, Chairman of the Constitution and Bylaws Committee, Treasurer, Vice President, President and Chair of Strategic Planning for the Society. Dr. Blanchard was the 1996 Recipient of the IEEE GRSS Outstanding Service Award, and the IEEE Third Millennium Medal.