

Publications:

Author/co-author of over 100 publications in professional journals, conference proceedings or technical reports.

Membership in Professional Societies

- American Society of Civil Engineers
- Coastal, Oceans, Ports and Rivers Institute-COPRI)
- American Society for Engineering Education
- Army Engineer Association
- Association of the United States Army
- National Defense Industrial Association
- Society of American Military Engineers
- Tsunami Society

Major Personal Awards

- Department of the Army Meritorious Civilian Service Award (2nd Oak Leaf Cluster, 2003)
- Department of the Army Meritorious Executive Presidential Rank Award (2002)
- Silver Order of the DeFluery Medal (1998)
- Department of the Army Meritorious Civilian Service Award (Oak Leaf Cluster, 1998)
- Distinguished Executive Presidential Rank Award (1994)
- Department of Army Award for Outstanding Achievement in Equal Employment Opportunity (1993)
- Department of Army Meritorious Civilian Service Award (1993)
- Meritorious Executive Presidential Rank Award (1987)
- Department of Army Award for Outstanding Achievement in Equal Employment Opportunity (1984)
- Corps of Engineers Award for Outstanding Achievement in Equal Employment Opportunity (1984)
- Exceptional Performance Rating and Bonus (1983 through 2003, 21 consecutive years)

Major Organizational Awards (under my leadership)

- Army Laboratory of Excellence Award, Army Research Laboratory (1999)
- Army Laboratory Organization of the Year Award, Waterways Experiment Station, 1998
- Army Laboratory Organization of the Year Award, Waterways Experiment Station, 1997
- Army Laboratory Organization of the Year Award, Waterways Experiment Station,. 1996
- Army Laboratory Organization of the Year Award, Waterways Experiment Station,. 1992

- Army Laboratory of Excellence Award, Waterways Experiment Station, 1988
- Army Laboratory of Excellence Award, Waterways Experiment Station, 1987
- U S Army Corps of Engineers Annual Trophy for Achievement in Equal Employment Opportunity 1998, 1997, 1994, 1993, 1992 (in competition with 52 other organizations)
- National Historic Civil Engineering Landmark (Waterways Experiment Station, first laboratory so designated)

Employment Chronology (Federal Government, Senior Executive Service (1983 – 2003))

Army Research Laboratory, Adelphi, MD (Dec. 1998 – March 2003) As Director, Army Research Laboratory was responsible for leadership, management and direction of the Army's corporate technology base research laboratory. Served as Chief Executive Officer, oversees every aspect of operations with a FY02 budget exceeding \$950M and a 2,100 member civilian and military team of scientists, engineers and technical/administrative professionals. During my tenure, the program increased from \$560M to 950M. Research missions included weapons and materials, sensors and electron devices, human research and engineering, survivability/lethality, information science/technology, vehicle technology and high performance computing. The Army's external basic research (Army Research Office) focuses on future technologies necessary for the Army's transformation. Partnerships included five (5) Collaborative Technology Alliances, three University Affiliated Research Centers, and many other academic centers of excellence. Principle customers are Army Materiel Command (AMC), Research Development and Engineering Center's (RDEC), Program Managers (PM), TRADOC Schools, Battle Labs and the Office of Director Defense Research and Engineering (DDR&E).

Waterways Experiment Station, Vicksburg, MS (1992 – Dec. 1998) As Director, Waterways Experiment Station primary responsibilities included leadership, management, and direction of an 1,850 member civilian and military team of engineers, scientists and complementary technical and administrative support professionals executing an annual military engineering and civil works R&D program exceeding \$300M in the areas of environmental, hydraulic, geotechnical, structural, and coastal engineering and information technology. Operates the DoD High Performance Computing Center, Tri-Service CASS/GIC Technology Center, and the Corp's Central Processing Center (management information systems). Army military research missions included the Tri-Service lead in Airfields and Pavements, Survivability and Protective Structures, Sustainment Engineering and Installation Restoration.

Served as Technical Director, U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, MS (1985 – 1992) and as Technical Director, U.S. Army Corps of Engineers Coastal Engineering

Research Center, Ft. Belvoir, VA (1982 – 1983) and Waterways Experiment Station, Vicksburg, MS (May 1983 – June 1985)

Additionally served in positions of Chief, Wave Mechanics Section, Engineering Branch, Weapons Effects Division; Chief, Harbor Wave Action Branch, Hydraulics Laboratory and Chief, Wave Dynamics Division Hydraulics Laboratory; U.S. Army Corp's of Engineers, Waterways Experiment Station, Vicksburg, MS (June 1967 – May 1983)

Private Industry Employment

- Tetra Tech Inc., Pasadena, CA (1966 – 1967)
- National Engineering Science Co., Pasadena, CA (1964 -1966)
- Oceanics Division, Interstate Electronics Corporation, Anaheim, CA (1962 – 1964)
- Ground Systems Group, Hughes Aircraft Co., Fullerton, CA (1961 – 1962)

Academic Employment

- Associate Dean, College of Science, Engineering and Technology (CSET) and Professor of Engineering, Jackson State University (March 2003 – January 2013)
- As Associate Dean, of CSET is responsible for leadership of the new School of Engineering (first graduating class in May 2005) including all aspects of teaching, research and service. The School of Engineering consists of three departments: Civil Engineering, Computer Engineering and Computer Science, and offers BS degrees in Civil Engineering, Computer Engineering, Telecommunications Engineering and Computer Science and MS degrees in Computer Science and Engineering (areas of emphasis are Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Geological Engineering and Telecommunications Engineering). The School of Engineering currently has approximately 500 students, 34 full-time faculty, and over \$3,000,000 in research grants/contracts. A new modern School of Engineering building is under construction.
- Adjunct Professor, College of Engineering, Mississippi State University (1967 – 1987, taught approximately 20 graduate courses in Civil Engineering and Mathematics and served on Master Degree Committees)
- Adjunct Professor, University of Mississippi (approx. 1976, taught graduate course in Physical Oceanography)
- Adjunct Professor, College of Engineering, Texas A&M University (1972 – 1974, served on Ph.D. committee in Civil Engineering Department, College of Civil Engineering)

Academic Advisory Committees

- Mississippi State University Research Advisory Committee (current)
- University of Puerto Rico, Mayaguez, Department of Civil Engineering Advisory Board (current)
- Alabama A&M University, Research Institute Advisory Board
- Florida A&M University, Engineering Advisory Council
- University of Florida, Invited Guest at College of Engineering Advisory Board
- University of Florida, Coastal Engineering Department Advisory Board
- University of New Orleans, Department of Civil Engineering Advisory Board
- University of Minnesota, Advisory Board, Army High Performance Computing Research Center (1988-1998)

Professional Committee Memberships

- Member, Rubble Mound Structures Technical Committee, Waterway, Port, Coastal and Ocean Division, American Society of Civil Engineers (current)
- 1981 -1998 Corps of Engineers Liaison Representative to Marine Board, National Research Council, National Academy of Engineering
- 1981 – 1994 United State Representative, Section of Maritime Hydraulics, International Association for Hydraulic Research
- 1985- 1992 United States Representative, PTC II, Committee 12 Breakwaters, Permanent International Association of Navigation Congresses
- 1986 – 1998 United States and Japan Joint Committee on Port and Harbor Research
- 1986 – 1996 Corps of Engineers Member, Department of the Army, Supercomputer Allocation Committee
- 1986 Chairman, Program Committee, Vicksburg Post, Society of American Military Engineers. Vicksburg Post received the Swimmers Award for holding a technical program and meeting every month of 1986 – a direct responsibility of the Program Chairman.
- 1987 – 1990 Corps of Engineers Senior Executive Senior Executive Service Performance Review Board
- 1988 Member Source Selection Advisory Council (SSAC) for the Army High Performance Computing Research Center
- 1988 Co-Director, NATO-sponsored tutorial on Hydraulic Modeling, Lisbon, Portugal, July 1988.
- 1989 Chairman, Source Selection Advisory Board, Corps of Engineers Supercomputer Acquisition, (\$28,000,000)

- 1990 Member Source Selection Advisory Board, Department of Defense Major Shared Resource Center
- 1978- 1988 Chairman, American Nuclear Society Working Group ANS 2.4: Guidelines for Tsunami Runup at Power Reactor Sites
- 1978 – 1988 American Nuclear Society Committee ANS 2.0
- 1978 – 1984 Publications Committee, Waterway, Port, Coastal and Ocean Engineering Division, American Society of Civil Engineers.