

# R. BRUCE TAYLOR, P.E., Ph.D.

CHAIRMAN AND CEO, TAYLOR ENGINEERING, INC.

9000 Cypress Green Drive, Jacksonville, FL 32256 (904) 731-7040

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## EDUCATION

B.S., U.S. Naval Academy, 1964

M.S., Oceanographic Engineering, University of Miami, 1971

Ph.D., Civil and Coastal Engineering, University of Florida, 1974

## REGISTRATION

Professional Engineer (Civil), #23123, Florida, 1976

Professional Engineer (Civil), #12865, Mississippi, 1996

## BACKGROUND

Upon graduation with distinction from the United States Naval Academy in 1964, Bruce Taylor was commissioned an officer in the U.S. Navy Nuclear Submarine Service. His service included four strategic nuclear deterrent patrols aboard the fleet ballistic missile submarine USS Daniel Webster SSBN 626 (BLUE) followed by two years of Atlantic Fleet operations and one Special Operations patrol aboard USS Haddo SSN 604. In September 1969, he left the naval service to pursue graduate studies in coastal and oceanographic engineering, first at the Rosenstiel School of Marine and Atmospheric Science, University of Miami, and later at the University of Florida where he received his Ph.D. in Civil and Coastal Engineering.

In 1974, Dr. Taylor relocated to Jacksonville to begin his career in the private practice of engineering. For the next nine years, in the employ of two different companies, he consulted on a variety of projects in increasing levels of responsibility. These included the operation of the U.S. Army's 14-acre Chesapeake Bay Model Facility; coastal erosion and shore protection projects in New York, Florida, Alabama, South and North Carolina; flood hazard studies in support of the National Flood Insurance Program; harbor engineering and dredging operations; and the mathematical modeling of coastal hydrodynamics, discharge plumes, and pollutant transport.

In 1983, Dr. Taylor formed Taylor Engineering, Inc., a consulting engineering firm specializing in water resource and coastal engineering. During his presidency, 1983-2005, the company successfully completed over 750 projects. These included, tidal inlet and harbor entrance engineering at Wilmington Harbor, NC, St. Augustine, Ponce Inlet, Destin, and Ft. Pierce Harbor, FL, and Kings Bay, GA; surface and subsurface hydrologic investigations for the Everglades Restoration Program; numerous flood hazard studies for FEMA in the states of Florida, Georgia, Alabama, Texas, Louisiana, Tennessee, and Kentucky; advanced model investigations of waves and coastal hydrodynamics throughout U.S. Atlantic and Gulf coasts; the planning and design of beach restoration and shore protection projects throughout Florida; and the development and implementation of dredged material management programs for 400 miles of federal navigation channels in the AIWW, ICWW, and OWW inland waterways.

In addition to his duties at Taylor Engineering, Dr. Taylor has actively served the engineering profession and society as a member of various professional and civic organizations. These include Chairman of the American Society of Civil Engineers national technical committees on Coastal Engineering and Tidal Hydraulics; Chairman of the Northeast Florida FEEDS Advisory Council for graduate engineering education, Chairman of the Engineering Advisory Council, University of North Florida School of Engineering, Member of the Florida Virtual Campus Board of Directors, Chairman of the University of Florida Coastal and

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Oceanographic Engineering Visiting Committee,; Member, Academic Visiting Committee, U.S. Naval Academy Department of Naval Architecture and Ocean Engineering, and President of the Florida Institute of Consulting Engineers, representing all private engineering companies in Florida.

In 2001, he was appointed to the U.S. Army Corps of Engineers Coastal Engineering Research Board. This board, created by Congress in 1963, is made up of the Army's Chief of Civil Works, three additional General Officers, and three civilian members. In this capacity Dr. Taylor serves with his fellow board members to advise the Army's Chief of Engineers on matters pertaining to shore and flood protection, sediment management and navigation, and related issues in support of the army's worldwide engineering mission. In 2003, Dr. Taylor was appointed by Governor Jeb Bush to the Board of Trustees, University of North Florida, one of eleven public institutions of higher learning in the state. Now in his second term, he currently serves as the board's chair.

In recognition for his many accomplishments, Dr. Taylor has received a number of honors and recognitions. These include Honorary Alumnus of the University of North Florida, Distinguished Alumnus of the University of Florida, Distinguished Alumnus of the Baltimore Polytechnic Institute; the Florida Engineering Society's awards for Outstanding Technical Achievement, State Engineer of the Year, and Outstanding Service to the Engineering Profession; the National Society of Professional Engineers' NSPE Award — for leadership in his profession and his lifelong commitment to excellence in engineering, and most recently, the National Society of Professional Engineers' Mentor of the Year Award.

Dr. Taylor has authored refereed journal articles and numerous technical reports during his professional career and is a licensed professional engineer in the states of Florida and Mississippi.