COASTAL ENGINEERING AND ADAPTATION SOLUTIONS (CEAS)

SHUBHRA MISRA, PH.D., P.E., BC.CE, BC.PE | SHUBHRAMISRA@CEAS.LLC

Profile

Accomplished leader with expertise in coastal, port, and marine waterfront engineering, climate adaptation and resilience. Extensive global experience leading and managing large-scale multidisciplinary projects through planning, design, execution, and operations. Skilled in project management, stakeholder engagement, business development, and client management.

Experience

Program Analyst, Installation Resilience, Department of Defense (DOD), (2023 – 2025)
Led development and implementation of DOD's natural hazards resilience strategies and tools.

Senior Research Scientist, The Water Institute of the Gulf, (2021 – 2023)
Technical lead for Louisiana and Texas statewide compound flooding pilot studies.

Civil Engineer (Hydraulics), US Army Corps of Engineers, Galveston District (2018 – 2021)
Lead H&H/coastal engineer for Sabine Pass to Galveston Bay Coastal Storm Risk Management Project.

Marine Facilities Engineer, Chevron Energy Technology Company, (2012 – 2018)
Subject matter expert in planning, design, and operations for coastal, waterfront, and marine terminal projects.

Senior Project Manager/Principal Coastal Engineer, AECOM, (2011 – 2012)
Project management of multi-disciplinary marine and coastal projects.

Area Manager, COWI USA, (2009 – 2011)
Project management of multi-disciplinary marine and coastal projects.

Senior Coastal Engineer, JACOBS, (2005 – 2009)
Project manager and lead coastal engineer on multi-disciplinary marine and coastal projects.

Education

- Ph.D. in Civil and Environmental Engineering (Coastal Engineering), University of Delaware, Newark, DE (2005)
- B.Tech. in Ocean Engineering and Naval Architecture, Indian Institute of Technology, India (1997)

Awards/Professional Activities

- Local organizing committee co-chair for 39th International Conference in Coastal Engineering, May, 2026, Galveston, TX
- Guest co-editor for Special Collections issue on Texas Coastal Resilience for ASCE Journal of Waterway, Port, Coastal, and Ocean Engineering.
- 2023 USACE Engineering and Construction CoP Resilience Role Model Award (Team) for the Development and Sustainment of the Department of Defense Climate Assessment Tool.
- 2021 USACE Civilian Service Achievement Medal (Group award for Project Delivery Team in support of the Sabine Pass to Galveston Bay Coastal Storm Risk Management Project).

Certifications

- Professional Engineer (Civil; Water Resources), TX
- Board Certified in Coastal Engineering (BC.CE), ASCE ACOPNE
- Board Certified in Port Engineering (BC.PE), ASCE ACOPNE