Kelli Hunsucker, Ph.D.

Assistant Professor | Ocean Engineering and Marine Sciences at Florida Tech

Melbourne, FL, US

Dr. Hunsucker investigates biofouling prevention methods for marine growth and eco-engineering techniques for ecosystem enhancement.

About

Dr. Kelli Hunsucker?s research focuses on biofouling organisms, both micro and macro plants and animals, and their settlement on surfaces such as ship hulls and oceanographic instrumentation. She works with government, industry, and academia to research, test, and design novel systems to determine their efficacy in preventing biofouling. Currently her team is investigating the application of UVC on biofouling and its efficacy in the marine environment. She has authored over 250 technical reports, publications and book chapters on biofouling ecology and prevention. Dr. Hunsucker?s other projects involve eco-engineering solutions for improved water quality and ecosystem enhancement in estuarine waters. In addition to teaching and research, she is heavily involved in community based outreach projects and marine science summer programs for children.

Industry Expertise

Education/Learning, Research

Areas of Expertise

Marine Education, Oceanography, UVC, Biofilms, Biofouling, Benthic Ecology, Ecological Engineering, Environmental Science

Affiliations

Marine Technology Society Journal : Editorial Board, Marine Science & Coastal Engineering Camp : Director, Florida Academy of Sciences: Past President, Indian River Lagoon Symposium : Steering Committee Member

Education

Florida Institute of Technology

Ph.D. Biological Oceanography

Florida Institute of Technology

M.S. Chemical Oceanography

Stockton University

B.S. Oceanography, with a Marine Chemistry focus