

# BIOFOULING MINISYMPOSIUM: MARINE FOULING ISSUES

Friday April 21<sup>st</sup>, 2:00-6:00 PM in Jefferson 250, 17 Oxford Street, Cambridge, MA

## Keynote Speakers



**Dr. Dan Rittschof**  
Lee Hill Snowdon  
Distinguished  
Professor of Ecology,  
Duke University

### *“Barnacle Biology and Glue Curing: A perspective for Materials Scientists”*

Dr. Dan Rittschof’s day to day research focus is ecology with emphasis on larval biology, chemical, behavioral ecology and environmental toxicology. Theoretical contributions are in the origins and evolution of chemical systems including peptide pheromones, metamorphosis and biological glues. Presently, there are three areas of focus: 1) Ecology and behavioral biology of local macroinvertebrates such as blue crabs and mud snails; 2) Barnacle models as they relate to fouling and the prevention of fouling and biological adhesives; 3. Impacts of xenobiotics on feeding behavior, physiology and reproduction. Together with his group, he works on a variety of aspects of ecology and reproduction of blue crabs, studies families of barnacles with heritable biological adhesive phenotypes and provides expertise in barnacle biology and provides living material for the Office of Naval Research Fouling Research program and studies barnacle glue curing and the transition to calcification.



**Dr. Geoffrey W. Swain**  
Professor of Oceanography and Ocean Engineering, Florida Institute of Technology

### *“Factors to Consider for the Successful Field Testing of Fouling Control Coatings”*

Dr. Geoff Swain joined FIT in 1984 and established the Center for Corrosion and Biofouling Control. The Center is fully staffed, has a laboratory on campus, static and dynamic seawater test facilities, two research boats and has active research grants with the Office of Naval Research and Industry. He designed the cathodic protection system for the Living Seas at Disney World, is active in dry dock and underwater inspections of ship hull coatings and cathodic protection systems and has published over 60 refereed articles on the subject. He is a member of the Marine Biological Association of the U.K., the National Association of Corrosion Engineers and the Society of Naval Architects and Marine Engineers.

## Contributed talks by

**Joanna Aizenberg** (Harvard University)

**Peter R. Girguis** (Harvard University)

**Admir Masic** (Massachusetts Institute of Technology)

... more speakers to be announced soon