Fourth International ICES/PICES/IOC/FAO Symposium

June 4 – 8, 2018
Washington, DC

The Washington Hilton
1919 Connecticut Ave. NW

Travel Funding Available

Limited funding to support travel to the 4th International Symposium on the Effects of Climate Change on the World's Oceans is available via a National Science Foundation (NSF) grant to the Woods Hole Oceanographic Institution and the University of Maryland Center for Environmental Science. The purpose of the NSF grant is to promote U.S. academic involvement in the International Council for Exploration of the Sea (ICES), a leading forum for the promotion, coordination, and dissemination of research on physical, chemical, and biological systems in the North Atlantic and adjacent seas. Current ICES topics of particular value to U.S. marine science interests include climate science, science in the western Atlantic Ocean, Arctic research, and science to support ecosystem-based management.

Requests for travel funds are due **16 March 2018.**

Strong preference will be given to U.S. scientists within 7 years of receipt of the PhD who will be participating in an ICES-sponsored meeting for the first time.

How to Apply

Requests for travel funds should be sent to **Dr. Andy Solow** (Woods Hole Oceanographic Institution; email *asolow@whoi.edu*), with a cc to **Mary Schumacher** (*mschumacher@whoi.edu*). Please attach (1) a copy of your accepted abstract for one of the theme sessions listed on the next page; (2) a short statement of your reasons for attending the symposium, and (3) a brief biographical sketch or CV.

Decisions on travel awards will be made by **20 April 2018.**

Topic Sessions

- **Session 1***:* Ocean extremes and their impact on marine ecosystems
- **Session 2**: From prediction to projection: the role of seasonal to decadal forecasts in a changing climate
- **Session 3**: Carbon uptake, ocean acidification, and ecosystems and human impacts
- **Session 4**: Deoxygenation in Global Ocean and Coastal Waters in Relation to Climate Change
- **Session 5**: Climate change impacts on high latitude systems on multiple scales in space and time
- **Session 6**: The deep ocean under climate change
- **Session 7**: Eastern Boundary upwelling systems: diversity, coupled dynamics and sensitivity to climate change
- **Session 8**: Understanding the impact of Abrupt Ocean Warming and Continental Scale Connections on marine productivity and food security via Western Boundary Currents
- **Session 9**: Drifting into the Anthropocene: How will pelagic marine ecosystems be affected and what are the biogeochemical and lower trophic consequences
- **Session 10**: Management and conservation of species on the move
- **Session 11**: Benthic and pelagic system responses in a changing ocean: From genes to ecosystem level functioning
- **Session 12**: Scenarios and models to explore the future of marine coupled human-natural systems under climate change
- **Session 13**: Multiple stressors at multiple scales: ecosystem based management in the face of changing ocean conditions
- **Session 14**: Vulnerability and adaptation of marine socio-ecological systems to climate change
- **Session 15**: Fisheries and aquaculture in the face of climate change: Current actions, identified solutions and opportunities in support of sustainable livelihoods and food security
- **Session 16**: Climate, oceans and security
- **Session 17**: Effects of climate change on ocean ecosystem health: Projecting occurrences of harmful algal blooms and disease outbreaks and assessment of the risk to ecosystem functioning, aquaculture, fisheries and human health
- **Session 18**: Coastal ecosystem and their blue carbon science, conservation and policy progress