

Program

- 9:30 AM **Registration and breakfast**
- 10:00 AM **Welcome:**
UMass Dartmouth School for Marine Science and
Technology Dean Steven Lohrenz
UMass Dartmouth Chancellor Peyton R. Helm
UMass Dartmouth Associate Provost for Graduate
Studies Tesfay Meressi
- 10:15 AM Andy Danylchuk (keynote speaker): **There is no
place like home: movement patterns of bonefish
(*Albula vulpes*) inhabiting small reef flats in Cule-
bra, Puerto Rico**
- 10:30 AM Cate O’Keefe (keynote speaker): **Cooperative Ef-
forts to Avoid Bycatch of Yellowtail Flounder in
the Atlantic Sea Scallop Fishery**
- 11:00 AM Judith Rosellon-Druker: **Evaluating the effects of
Marine Protected Areas on the predator-prey
interaction between groundfish and echinoderm
species on Georges Bank**
- 11:15 AM Owen Nichols: **Environmental effects on squid
availability to a seasonal inshore fishery: Untan-
gling drivers, mechanisms and scales**
- 11:30 AM Connor Capizzano: **Estimating and mitigating dis-
card mortality in the Gulf of Maine recreational
groundfish fishery**
- 11:45 AM Grace Casselberry: **Spatial ecology of the shark
community in and around Buck Island Reef Na-
tional Monument, St.Croix, United States Virgin
Islands**
- 12:00 PM **Lunch & Poster Session (1 hour)**
- 1:00 PM Ellen Douglas (keynote speaker): **A probabilistic
approach for assessing the vulnerability of trans-
portation infrastructure to flooding from sea level
rise and storm surge**

- 1:15 PM Robert Wildermuth: **Developing tools for ecosystem-based management in data limited social-ecological systems: a case study for Georges Bank, USA**
- 1:30 PM Scott Fulmer: **Injuries and Work Exposure in Commercial Lobstering**
- 1:45 PM Lucas Griffin: **Individual-level behavioral responses of immature green turtles (*Chelonia mydas*) to snorkeler disturbance**
- 2:00 PM Sherri Eldridge: **Sensory innervation in the skin of humpback whales (*Megaptera novaeangliae*)**
- 2:30 PM **Tea Break** (30 minutes)
- 3:00 PM Megan Levesque: **Mortality assessment of Atlantic sea scallops (*Placopecten magellanicus*) from gray meat disease**
- 3:15 PM Katelynn Shoemaker: **Seawater microbial community change induced by presence of copepods**
- 3:30 PM Katherine McClellan: **Experimental assessment of electric sensitivity in juvenile lemon sharks, *Negaprion brevirostris*, and yellow rays, *Urolophus hutchingsi***
- 3:45 PM Robert Holmberg: **Ocean Acidification Impacts Otolith Morphology and Mineralogy in Larval *Haemulon chrysargyreum***
- 4:00 PM Alexander Hansell: **Demographics and local abundance trends for the coastal shark assemblage of Bimini, Bahamas**
- 4:15 PM Sarah Becker: **Home range and movement patterns of great barracuda (*Syphraena barracuda*) around Buck Island Reef National Monument, St. Croix, U.S.V.I.**
- 4:30 PM David Martins: **Utilizing fishermens ecological knowledge and scientific data to map Atlantic cod spawning grounds on Georges Bank and Nantucket Shoals**

4:45 PM Jian-Hua Qian (keynote speaker): **Regional Weather and Climate Modeling and Analysis**

5:00 PM **Best presentation awards & Reception**

Poster Presentations

Diana Barrett: **Effects of abiotic stressors and soil microbiota on the zonation of coastal dune plants**

Kristin Bulpett: **Carbon dioxide emissions associated with the restoration of a tidal salt marsh in Boston, Massachusetts**

Shuo Chen: **Using natural stable isotope and dissolved gas tracers to investigate nitrogen-loss along US GEOTRACES Arctic section**

Micheline Labrie: **Quantifying impacts of suspended oyster aquaculture on nitrogen cycling in southeastern Massachusetts coastal embayments**

Chang Liu: **Developing and validating geolocation methods for groundfish species off New England**

Ashleigh Novak: **Fine-scale movement and habitat use of yellowtail snapper (*Ocyurus chrysurus*) within a marine protected area in the U.S. Virgin Islands**

Tyler O'Brien: **Microplastics in Savin Hill Cove**

Sheel Prajapati: **Temporal evolution of nitrogen loading in Long Island Sound using stable isotope geochemistry**

Kendra Ryan: **Overcoming environmental permitting barriers to offshore wind energy**

Christine San Antonio: **Interactive effects of ocean acidification and temperature increase on shell development and response to disease in the American lobster, *Homarus americanus***

Liberty Schilpp: **Variability in weight-at-age and condition factor of Northeast US groundfish**

Amber Unruh: **Quantifying nitrogen attenuation in Cape Cod, MA freshwater ponds**

Ashley Weston: **How will climate change affect fishery management performance in the Gulf of Alaska?**