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 Culebra, Puerto Rico**

10:30 AM  Cate O’Keefe (keynote speaker): **Cooperative Efforts 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: Untangling drivers, mechanisms and scales**

11:30 AM  Connor Capizzano: **Estimating and mitigating discard 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 National 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 transportation infrastructure to flooding from sea level rise and storm surge**

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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 Katyanne 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, Urobatis jamaicensis

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 fisher mens 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?