

2019 LIS research conference draft agenda

8:00 am	Registration (Danford's Lobby) Poster presentation and table set-up and light continental breakfast (Brookhaven Room)	
9:00 am	Welcome (Diplomatic Ballroom)	
9:15 am	Concurrent Session 1	
	Nutrients/Chemistry Moderator: Darcy Lonsdale Diplomatic Ballroom	Microbes/Water Quality Moderator: Jim Ammerman Bridgewater Room
9:15 - 9:30 am	Assessing the Distributions of Carbon and Nitrogen Between the East River Tidal Strait and Western Long Island Sound Allison Byrd University of Connecticut	Ammonia Oxidizing Archaea and Bacteria Respond Independent of Total Bacterial Community During Drought Stress in a Connecticut Salt Marsh Jack Beltz Connecticut College
9:30 - 9:45 am	Nitrogen Budgets of the Long Island Sound Estuary Penny Vlahos University of Connecticut	Microbial Source Tracking (MST) in Three CT Watersheds of Long Island Sound David Knauf Director of Health, Darien, CT
9:45 - 10:00 am	Linking Nitrogen Sources to Western Long Island Sound Water Quality Michael M. Whitney University of Connecticut	Solar-Electric Pump-out Boat Technology: Impacts on the Marine Environment, Public Health and Climate Change Michael Pascucilla East Shore District Health Department
10:00 - 10:15 am	Break	
10:15 am	Concurrent Session 2	
	Fisheries Moderator: Syma Ebbin Diplomatic Ballroom	Management/Sustainability Moderator: Katherine Bunting-Howarth Bridgewater Room
10:15 - 10:30 am	Modifying Age-Based Selectivity to Rebuild Overfished Stocks and Increase Resilience Jacob Kasper University of Connecticut	Stratford Point Living Shoreline: Adaptive Management Strategies Required! Jennifer H. Mattei Sacred Heart University

10:30 - 10:45 am	Habitat Restoration in New Haven Harbor Utilizing Lab Cultured Oyster Sets and Reef Balls™ Peter Solomon The Sound School	Do 'Living Shorelines' Provide Habitat for Local Fauna in Long Island Sound? Mary Dushay Sacred Heart University
10:45 - 11:00 am	Obligate v. Opportunist: The Ecology of the Hard Clam Pathogen, Quahog Parasite Unknown (QPX) Sabrina Geraci-Yee Stony Brook University	Enhancing the Long Island Sound Comprehensive Conservation and Management Plan: Enter the Blue Plan and Just Sustainabilities Michaela Garland Southern Connecticut State University
11:00 - 11:15 am	Endocrine Disrupting Effects of Alkylphenol Pollutants on the Development of Horseshoe Crab <i>Limulus polyphemus</i> Larvae and Embryos Hans Laufer University of Connecticut	Ecosystem-based Management (EBM) -The Solution to What Ails Long Island Sound Paul E. Stacey Footprints In The Water LLC
11:15 - 11:30 am	Spatial Distribution and Temporal Variability of the Blue Crab, <i>Callinectes sapidus</i> , in Eastern Long Island Sound Howard "Mickey" Weiss and Jim Downs Project Oceanology	LIS Blue Plan Special Areas: A New Understanding of Human Uses and Important Ecological Areas Christian Fox and Emily Hall The Nature Conservancy and CT Department of Energy and Environmental Protection
11:30 - 11:45 am	Boom-Bust Dynamics of a Western Long Island Sound Population of the Non-Native Asian Shore Crab <i>Hemigrapsus sanguineus</i> From 2005-2018 George P. Kraemer SUNY Purchase	Blue Communities: Coastal Resilience and Sustainability in Long Island Sound and the Next Steps for Public Engagement Stephen Axon Southern Connecticut State University
11:45 - 12:00 pm	Introducing the new LISS research projects (3 min each, 3 minutes for questions) Moderator: Lane Smith Diplomatic Ballroom	
12:00 - 12:30 pm	Lunch and Networking - Brookhaven Room	
12:30 - 1:00 pm	Lunch Plenary: Dr. Parker MacCready Realistic Ocean Modeling for Applied Science Problems in the Pacific Northwest Diplomatic Ballroom	

1:00 - 2:00 pm	Panel discussion - Sediment-Water Column Connections Panelists: Wally Fulweiler, Craig Tobias, Penny Vlahos, Kamazima Lwiza Moderator: Jim Ammerman Diplomatic Ballroom	
2:00 pm	Concurrent Session 3	
	Around the Sound Moderator: Anna Weshner-Dunning Diplomatic Ballroom	Physical/Geological Processes Moderator: Kathleen Fallon Bridgewater Room
2:00 - 2:15 pm	Potential Denitrification Rates Vary With Dominant Vegetation Zones In Southern New England Coastal Salt Marshes Sean Khan Ooi University of Connecticut	Teleconnections to Long Island Sound Temperatures Christopher L.P. Wolfe Stony Brook University
2:15 - 2:30 pm	Rising Tides: Increased Flooding & Its Effect on Carbon Cycling of Coastal Wetlands Aidan Barry University of Connecticut	Spatial Structure of Interannual Variability and Long Term Trends in SST in Long Island Sound Robert Wilson Stony Brook University
2:30 - 2:45 pm	Rapid, But Limited Adaptation of a Marine Copepod to a Greenhouse World Hans Dam University of Connecticut	Issues of Erosion on the South Shore of Long Island Sound Henry Bokuniewicz Stony Brook University
2:45 - 3:00 pm	Adaptation To A Greenhouse World Comes With A Cost For The Copepod, <i>Acartia tonsa</i> James A. deMayo University of Connecticut	Sedimentary Environments of Central and Eastern Long Island Sound: New Data Derived From the Long Island Sound Seafloor Mapping Project Cecilia McHugh CUNY Queens College
3:00 - 3:15 pm	For Everything There is a Season: Strong Seasonal Variation in Thermal Performance of Long Island Sound Copepods Matthew Sasaki University of Connecticut	Submarine Groundwater Discharge to Long Island Sound Joseph Tamborski Woods Hole Oceanographic Institution
3:15 - 3:45 pm	Poster lightning talks - Diplomatic Ballroom	
3:45 - 5:00 pm	Poster session - Brookhaven Room	
5:00 pm	Adjourn	

Poster presentations

1. Macroalgae as Bioindicators for Mercury Contamination in Long Island Sound - **Cassandra Bhageloo**, *Southern Connecticut State University*
2. M.A.P.- Monitoring Acidification Project - **Katie O'Brien-Clayton**, *CT Dept. of Energy and Environmental Protection*
3. Distributions of Alkalinity in Long Island Sound - **Allison Staniec**, *University of Connecticut*
4. Management Impacts on Nitrogen and Hypoxia in Western Long Island Sound - **Christina Menniti**, *University of Connecticut*
5. Sources of Nutrients Discharged Seasonally From the Pawcatuck River Evidenced by Nitrate N and O Isotope Ratios - **Veronica Rollinson**, *University of Connecticut*
6. Sources of Atmospheric Nitrogen Deposition in the Long Island Sound Watershed - **Kristina Wagstrom**, *University of Connecticut*
7. Hypoxia in NYC Embayments: Is High-BOD Water Exported to Western LIS? - **Timothy T. Eaton**, *Queens College CUNY*
8. Temporal Variability of Dissolved Oxygen in the Western Long Island Sound - **Juan Sebastian Mafla**, *College of Staten Island*
9. Restoration of Coastal Meadows at Stratford Point, CT: Is Native Plant Seeding the Best Method? - **Adeline DeStasio**, *Sacred Heart University*
10. Mapping and Characterization of Long Island Sound Coastal Wetlands Using Synthetic Aperture Radar and Optical/IR Satellite Imagery - **Brian Thomas Lamb**, *City College of New York & CUNY Graduate Center*
11. Microbial Degradation and Bioavailability of Marsh-Exported Colored Dissolved Organic Matter in the Long Island Sound - **John Supino**, *CUNY, The City College of New York*
12. Analysis of Bacterial Community Dynamics Related to Water Quality Along Environmental Gradients Within the Lower Hudson River Estuary - **Roman Reichert**, *Queens College City University of New York*
13. Comparing Urban Stormwater vs Combined Sewage as Sources of Microbial Pollution to Flushing Bay - **Gregory O'Mullan**, *Queens College City University of New York*
14. The Urban Street Surface As a Source of Fecal Bacteria to Coastal Waterways - **Angel D. Montero**, *Queens College City University of New York*

15. Optical Characterization of Water Quality in the Long Island Sound - **Alana Menendez**, *CUNY The City College of New York*
16. Pigment Concentrations and CDOM Absorption Coefficients Estimation From in Situ and Satellite Ocean Color Measurements for Coastal Waters - **Guoqing Wang**, *CCNY, Columbia University*
17. Satellite Ocean Color Observations from NASA's PACE Mission: Addressing Environmental Challenges and Enhancing Environmental Management Decisions - **Maria Tzortziou**, *City College of New York*
18. Satellite Tracking of Juvenile Green, Loggerhead, and Kemp's Ridley Turtles Released by Rehabilitation Centers in Long Island Sound - **Kayla Deguzman**, *Western Connecticut State University*
19. An Interactive Application for Tracking the Movement of the *Limulus polyphemus* throughout Long Island Sound (LIS) - **Ismael Youssef**, *Valhalla High School & Sacred Heart University*
20. Living Shorelines: the Good, the Bad and the Ugly - **Benjamin Miller**, *Sacred Heart University*
21. Lagrangian Circulation and Connectivity in Long Island Sound - **Han Sun**, *Stony Brook University*
22. Is Desiccation an Ecologically Important Threat to *Hemigrapsus sanguineus* (Asian shore crab) - **Lara Pratt**, *SUNY Purchase*