



21st Anniversary Meeting – Conference Program
 January 14-16, 2020 - The Crowne Plaza Hotel and
 Conference Center, Lake Placid, New York

Tuesday, January 14, 2020

2:00pm to 2:30pm	Harnessing Subconscious Behavior <i>Ken Donnelly, Beyond Attitude</i>
2:30pm to 3:00pm	Human Dimensions of Aquatic Plant Management <i>Vic DiCenzo, Ph.D., SŌLitude Lake Management</i>
3:00pm to 4:00pm	Problems in Taxa Identification within the Potamogetonaceae <i>C. Barre Hellquist, Ph.D., Professor Emeritus, Massachusetts College of Liberal Arts</i>
4:00pm to 5:30pm	Aquatic Plant Workshop and Quiz <i>SŌLitude Lake Management Biology Team</i>
5:30pm to 7:30pm	NEAPMS Presidential Reception <i>(Mingling, bar and appetizers)</i>
7:30pm -	Dinner and/or entertainment on your own in hotel or downtown Lake Placid

***Denotes student presentation**

Wednesday, January 15, 2020

7:30am to 8:30am	Continental Breakfast
8:30am to 8:45am	Opening Session/Aquatic Plant Identification and Mapping (Moderated by Will Stevenson, SOLitude Lake Management) Welcome Remarks <i>Will Stevenson, NEAPMS President</i>
8:45am to 10:15am (30 minute presentations)	<ul style="list-style-type: none"> Using Sonar-Based Technology for Aquatic Invasive Species Early Detection and Waterbody Vulnerability Assessments <i>Erin Vennie-Vollrath, Adirondack Park Invasive Plant Program and The Nature Conservancy</i> Evaluation of Machine Learning for Automation of Aquatic Plant Identification from Hydroacoustic Data <i>Rob Richardson, Ph.D., North Carolina State University</i> U.S. Geological Survey's Nonindigenous Aquatic Species (NAS) Program: Tools and Information for Researchers, Managers, and Stakeholders <i>Ian Pfingsten, U.S. Geological Survey</i>
10:15am to 10:30am	Refreshment Break
10:30am to 12:00pm (30 minute presentations)	<p>Hazardous Algal Blooms (Moderated by Mark Heilman, SePRO)</p> <ul style="list-style-type: none"> Solid Phase Adsorption Toxin Trackers (SPATTs) and Diffusive Gradients in Thin Films (DGT) Samplers for Characterizing Cyanotoxins in Freshwater <i>Kurt Carpenter, Oregon Water Science Center</i> Using Advanced Technologies for HAB Monitoring and Water Supply Response in New Jersey <i>Heather Desko, New Jersey Water Supply Authority</i> Advancing Strategies for Controlling Harmful Algal Blooms <i>West Bishop, Ph.D., SePRO</i>
12:00pm to 1:00pm	Conference Attendee Luncheon & Student Luncheon <i>(students are invited to gather together for lunch with NEAPMS Directors on Wednesday. Please go through the lunch buffet line and then to the Library (across the hallway from the conference attendee luncheon space).</i>
1:00pm to 1:30pm	Sponsor Updates I <i>(invited 2-3 minute industry updates)</i>

Wednesday, January 15, 2020, continued

1:30pm to 3:00pm (30 minute presentations)	<p>Climate Change on Lakes and AIS Pathways (Moderated by Meg Modley, Lake Champlain Basin Program)</p> <ul style="list-style-type: none"> Climate Change and Your Lake: What You Need to Know <i>Ken Wagner, Ph.D., Water Resource Services</i> <p>Pathways of Invasion: Recreational Boater Activity, Aquatic Invasive Species Distribution, and Landscape Level Connectivity to Inform Management and Prevention in New York State <i>Michale Glennon, Paul Smith's College-Adirondack Watershed Institute</i></p> <p>Efficacy of Boat Stewards and NYS Regulations at Enhancing Visitor Adoption of AIS Prevention Strategies <i>Daniel Kelting, Paul Smith's College-Adirondack Watershed Institute</i></p>
3:00pm to 3:30pm	Refreshment Break
3:30pm to 4:30pm (30 minute presentations)	<p>New Technology (Moderated by Bin Zhu, University of Hartford)</p> <ul style="list-style-type: none"> Chemical- Free Algae Mitigation with Air Nanobubbles <i>Christian Ferenca, Moleaer</i> Preliminary Evaluation of Nanobubblers to Improve Water Quality and Reduce Cyanobacteria Blooms <i>Patrick Goodwin, Aquatic Systems, Inc.</i>
4:30pm to 5:00pm	<p>NEAPMS Business Meeting – <i>NEAPMS Board of Directors</i></p> <p>APMS Updates- <i>Mark Heilman, APMS President</i></p> <p>AERF Updates- <i>Carlton Layne, Executive Director</i></p>
5:00pm to 5:30pm	Poster Slam Session – Moderated by Meg Modley, LCBP
5:45pm to 7:00pm	Reception and Poster Session
7:00pm to 9:00pm	NEAPMS Awards Banquet

Thursday, January 16, 2020

7:30am to 8:30am	Continental Breakfast
8:30am to 10:00am (30 minute presentations)	<p>Hydrilla (Moderated by Chris Hanlon, Aquatic Technologies, Inc.)</p> <ul style="list-style-type: none"> Monoecious Hydrilla Management in Lake Waccamaw: A Program Summary <i>Erika Haug, Ph.D., North Carolina State University</i> Hydrilla in the Connecticut River: What's going on, anyway? <i>Gregory Bugbee, Connecticut Agricultural Experimental Station and Nicholas Tippery, Ph.D., University of Wisconsin</i> Investigating the Success of Dioecious <i>Hydrilla verticillata</i> in Northern Climates* <i>Kara Foley, North Carolina State University</i>
10:00am to 10:30am	Refreshment Break
10:30am to 12:30pm (30 minute presentations)	<p>Topics in Aquatic Vascular Macrophytes and Algae (Moderated by Emily Molden, Nantucket Land Council)</p> <ul style="list-style-type: none"> Comparison of Hydro-acoustics, Aerial Photo Interpretation, Rake Sampling and Diver Survey on Quantifying Changes in Aquatic Plants <i>Bin Zhu, University of Hartford</i> Control of Hybrid Watermilfoil* <i>Jens Beets, North Carolina State University</i> Management of Water Chestnut <i>Lynde Dodd, U.S. Army Corps of Engineers</i> Treatment Timing and Application Method to Effectively Control Monoecious Hydrilla Including Tubers <i>Justin Nawrocki, UPL NA</i>
12:30pm to 1:30pm	Luncheon and Silent Auction Item Pick-Up

**Non-Target Impacts of Hydrilla and Lyngbya Treatments on Water willow
(*Justicia americana*)***

Jens Beets, University of North Carolina State

**Investigations into Water Quality and Nutrient Loading of Little Spectacle
Pond, Lancaster, MA**

Amanda Mahaney, SŌLitude Lake Management

**The Search for Suitable Species to be Used in Environmental Risk
Assessments**

Chelsea Hedderig, Smithers

**Quantitative Assessments of Operational Selective Control of Invasive
Watermilfoils in the Northern US with ProcellaCOR**

Mark Heilman, Ph.D., SePRO

**Development of Hydrilla Biological Control in the US with Focus on the
Monoecious Biotype**

Nathan Harms, U.S. Army Corps of Engineers

Boat Stewardship at the Manasquan Reservoir, NJ

Kyle Clonan, New Jersey Water Supply Authority and Montclair State University

The Adirondack Park Aquatic Nuisance Species Spread Prevention Program

Eric Paul, Adirondack Watershed Institute-Paul Smith's College

ARMOR: A New Tool for Managing the Spread of Invasive Aquatic Species

Jeremy Farrell, Rensselaer Polytechnic Institute and Darrin Fresh Water Institute