



5th Annual Virtual Harmful Algal Bloom Research Symposium Agenda

Thursday, January 9, 2025

SESSION ONE	PREDICTION, PREVENTION, AND TREATMENT
9:00-9:30AM CT	Lake Superior Cyanobacterial Bloom Reports, 2012 – Present <i>Kaitlin Reinl, Research Coordinator; Lake Superior National Estuarine Research Reserve</i>
9:30 – 10:00AM CT	Using AI to Predict Harmful Algal Blooms in Western Lake Erie Area <i>Bin Chen, Associate Professor; Purdue University Fort Wayne, and Dong Chen, Professor; Purdue University of Fort Wayne</i>
10:00 – 10:30AM CT	Agricultural Conservation Practices Could Help Offset Climate Change Impacts on Cyanobacterial Harmful Algal Blooms in Lake Erie <i>Coner Keitzer, Science Integrator; University of Maryland Center for Environmental Science</i>
10:30 – 10:45AM CT	BREAK
10:45 – 11:15AM CT	Evaluation of Alcan Media for Phosphate Adsorption in Subsurface Drainage Water <i>Soni Kumari, Postdoctoral Research Associate; Michigan State University</i>
11:15 – 11:45AM CT	How Algaecides Accelerate Cyanobacterial Succession in Eutrophic Lakes <i>David Shackleton, Chief Executive Officer; SIS.BIO</i>

Lunch Break



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SESSION TWO	HUMAN DIMENSIONS
12:30 – 1:00PM	<p>Harmful Algal Bloom Risk Perception and Community Engagement</p> <p><i>Erica Clites, Extension Educator, Southeast Michigan, Michigan Sea Grant</i></p>
1:00 – 1:30PM CT	<p>Blue-green Algae Blooms: A Public Health Issue in Wisconsin's Waters</p> <p><i>Jordan Murray, Harmful Algal Bloom Epidemiologist; Wisconsin Department of Health Services and Tristin Faust, Registered Environmental Health Specialist and Microbiologist; Eau Claire City-County Health Department</i></p>
1:30 – 1:45PM CT	Break
SESSION THREE	MONITORING AND DETECTION
1:45 – 2:15PM CT	<p>Working in Partnership to Improve the Understanding of Water Quality along Lake Superior's Wisconsin Coastline</p> <p><i>Sam Blackburn, Research Specialist, Center for Limnology; University of Wisconsin-Madison</i></p>
2:15 – 2:45PM CT	<p>Informing a St. Louis River Estuary Long-term Monitoring Strategy in Response to Recent Unprecedented cHABs</p> <p><i>Peter Birschbach, Natural Resources Research Institute Research Assistant, University of Minnesota-Duluth</i></p>
2:45 – 3:15PM CT	<p>Integrated Modeling and Monitoring to Understand Cyanobacterial Harmful Algal Blooms (HABs) in a Eutrophic Reservoir System</p> <p><i>Laura Krueger, Ph.D. Candidate, Graduate Research Assistant, Kansas State University</i></p>
3:15 – 3:30PM CT	BREAK



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3:30 – 4:00PM CT	Are Drones Worth It: A Comparative Cost-Benefit Analysis for Water Quality Monitoring <i>Jeremy Foote, Senior Wetland Scientist, TRC Companies, Inc.</i>
4:00 – 4:30PM CT	Accuracy of Rapid Test Strips for the Detection of the Cyanotoxin Microcystin-LR <i>Janae Widiker, Lake Superior Freshwater Fellow, Lake Superior National Estuarine Research Reserve and University of Wisconsin-Superior</i>

The Algal Bloom Action Team is a collaboration of water professionals, researchers, and educators from the national network of Water Resources Research Institutes, the North Central Region Water Network, and Cooperative Extensions from the 12 states in the North Central Region of the United States. More information at northcentralwater.org/habs.



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