Event Schedule

Tuesday, September 19, 2023 *(times reflect Eastern daylight time)*			
Time	**Topic**	**Event / Presentation**	**Presenter(s)**
0800 - 1600	Course	Marine Inspection Systems & Applications Course Introduction to Acoustical Sensors and Their Application　　**Room 112**　　Cost $370.00	*Brian Abbott* *Mark Atherton*
0900 - 1030	Workshop	Overview of the Sonic™-V Series and Voxometer® **Room 103**	*Mike Brissette* *R2Sonic*
1300		REGISTRATION OPENS	*Exhibitor set-up*
1400	Meeting	MTS / THSOA regional chapter meeting Link to registration (no-cost event)　　**Room 251**	
1300 - 1700	Demos	On-water Equipment Demonstrations in the **Harbor**	
1700	**Reception**	Welcome Reception & Sponsorship Recognition Hosted by Northwestern Michigan College	*Eva Vrana, District Director* *Congresswoman Lisa McClain (MI-9)*

FULL EVENT SCHEDULE

Time	Topic	Event / Presentation	Presenter(s)
Wednesday, September 20, 2022 *(times reflect Eastern daylight time)*			

Time	Topic	Event / Presentation	Presenter(s)
0800		Breakfast	
0830	Opening Remarks	Welcome and Overview of the Day Featured Speaker Introduction Announcement: Great Lakes Innovation Challenge Launch	*Hans VanSumeren, Director* *Water Studies Institute* *Northwestern Michigan College*
0845	**Featured Speaker**	Connecting the Dots for Climate, Ocean, and Freshwater for Great Lakes Innovation as an Economic Driver	*Millicent Pitts, Exec. Director* *Oceans Exchange*
0915	**Featured Speaker**	Mapping Beyond Borders: Why Binational Great Lakes Coordination Matters	*Heather Stirratt, Director* *International Joint Commission*
0945		Break	
1000		The National Ocean Mapping, Exploration, and Characterization (NOMEC) Strategy: Great Lakes Implications	*Ashley Chappell* *NOAA IOCM*
1030		Building the Great Map - The Role of Uncrewed Systems	*Brian Connon* *VP of Ocean Mapping, Saildrone*
1100		NOAA Great Lakes Research Vessel Mapping Updates for 2023	*Brendan Hunter* *NOAA-GLERL*
1130		Integrating Mapping Coordination and Data Stewardship Practices into Northwestern Michigan College's Marine Technology Capstone Course	*Jessica Nation and Cathleen Yung* *NOAA*
1200	**Lunch Option 1 – Networking (Ballroom BC)**		**Lunch Option 2: DEI for Lakebed 2030** *Helen Stewart, Fugro* **(Ballroom A)**

Concurrent Sessions – Equipment Demonstrations starting at 3:00 PM

Time	Habitat & Subsurface Characteristics Track Ballroom BC	Bathymetric Mapping & Data Track Ballroom A
1300	An Update on the Great Lakes Benthic Habitat Mapping Project *Brandon Krumwiede, NOAA-OCM*	International Great Lakes Datum: Possible Impacts and What You Need to Know *Jacob Heck, NOAA/National Geodetic Survey*
1330	Mapping Benthic Substrate from AUV Images to Lake-Wide Using Machine Learning: Challenges and Lessons Learned. *Phil Wernette, USGS*	Estonia – Bringing All Things Together *Brian Abbott, Abbott Underwater Acoustics*
1400	ICESat-2 Observations of Surface and Shallow Subsurface Characteristics of the Lakes Since 2018 *Michael Jasinski, NASA Goddard Space Center*	Enhancing Great Lakes Mapping through Multisensor Ground Truthing: A Case Study in Madeline Islands, WI *Charlie Menza, NOAA-CSS*
1430	Classifying Lakebed Habitat of Ground-Truthing Data via TATOR Annotation Tools *Tonya Hoevet, NOAA*	US Hydrographer Certification Program *Dave Bernstein, Geodynamics, MSPS Board*
1500	Break	
1515	Lakebed Habitat Mapping Using Multiband Backscatter *Matt Holland, NORBIT*	Leveraging Marine Robotic Systems for Data-Driven Shipwreck Detection *Katherine Skinner and Advaith Sethuraman, University of Michigan*
1545	Subsurface Geophysical Imaging of Greater Chicago's Lake Michigan Littoral Zone *Mitchell Barklage, Illinois State Geological Survey*	Comparing Substrate Classification Model Accuracy Using AUV Ground-Truthing Information and Simulated Traditional Approaches *Sam Pecoraro, USGS*
1615	Geomorphic Feature Extraction to Support Regional Sediment Management in Lake Superior *Charlene Sylvester, USACE R&D Center*	Refinement & Automation of Satellite-derived Bathymetry and New Software Tools *Dafrosa Kataraihya, Florida International Univ.*
1645	**Employer – Student Round Table** (Separate registration requested)	
1730	**Reception – Social Event**	

FULL EVENT SCHEDULE →

Time	Topic	Event / Presentation	Presenter(s)
**Thursday, September 21, 2022** *(times reflect Eastern daylight time)*			
0800	**Breakfast**		
0830	Opening Remarks	Overview of the day's presentations Featured Speaker Introduction	*NOAA or* *Great Lakes Observing System*
0845	**Featured Speaker**	Seabed 2030 - Mapping for People and Planet	*Steve Hall, Head of Partnerships* *SEABED 2030*
0915	**Featured Speaker**	CLEAR Skies, CLEAR Goals: Community-Led Engagement and the Lakebed 2030 Initiative	*Helen Stewart, Hydrographer* *Fugro*
1000	**Panel**	Topic: Connecting Lakebed 2030 with Seabed 2030 *Steve Hall, SEABED 2030* *Helen Stewart, Fugro* *Heather Stirratt, International Joint Commission* *Ashley Chappell, NOAA*	*Hans VanSumeren* *Moderator*
1030	**Break**		
1045		Development of an Under-Ice Ecosystem Observations Capability Using Autonomous Underwater Vehicle Technology	*Steve Ruberg* *NOAA*
1115		High-Accuracy Lakebed Mapping for Shoreline and Inland Waterways	*Lucas Hanson* *Spicer Group*
1145		Lakebed 2030: Governance Model	*Linden Brinks* *GLOS*
1200		Closing Remarks / Event Close	*Hans VanSumeren, Director* *Water Studies Institute* *Northwestern Michigan College*
Lakebed 203 Event Close			

1200	**Smart Ships Coalition Workshop**
	This event is not included in the Lakebed conference registration and requires a separate registration **Ask for an on-site SSC/SNAME registration form**

FULL EVENT SCHEDULE →