



LAKEBED 2030

September 17-19, 2024
Traverse City, Michigan

Tuesday, September 17, 2024 (times reflect Eastern daylight time)

| Time | | Event | |
|-----------|--------------|---|-------------------------|
| 1300 | Registration | REGISTRATION OPENS/PICK UP WELCOME PACKET | Exhibitor set-up |
| 1400-1700 | Demos | On-water Equipment Demonstrations | Harbor |
| 1400-1600 | Course | Underwater Visualization for Infrastructure Inspection - Kongsberg (on-site registration) | Room 211 |
| 1700 | Reception | Welcome Reception & Sponsorship Recognition - Hosted by Teledyne Marine and SES | Rotary Hall & Courtyard |

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PROGRAM SUPPORT



Wednesday, September 18, 2024 (times reflect Eastern daylight time)

| Time | Event / Presentation | Presenter(s) |
|-------------|--|--|
| 0800 | Hosted breakfast | |
| 0830 | Opening Remarks Welcome and Overview of the Day Featured Speaker Introduction | <i>Heather Stirratt, Director International Joint Commission</i> |
| 0845 | Keynote Charting NOAA's Course in the Great Lakes | <i>Rick Spinrad, PhD NOAA</i> |
| 0915 | Panel The Scientific, Economic, and Environmental Value of High-Resolution Mapping of the Great Lakes Moderator: Dr. Richard Spinrad - NOAA | <i>Rear Admiral Ben Evans (NOAA) Dana Gallant, Manager (CHS) Ashley Chappell (CMTS) Chris Ostrander (MTS) Heather Stirratt (IJC)</i> |
| 1015 | Coffee break | |
| 1030 | Development of a Great Lakes Science Plan: Aligning and Coordinating with Lakebed 2030 | <i>Matthew Child International Joint Commission</i> |
| 1100 | Bi-National Bathymetry Coverage and Gap Analysis Pilot | <i>Meredith Westington NOAA</i> |
| 1130 | Conquering Data in the Great Lakes through a Joint Venture | <i>Tim Kearns GLOS</i> |
| 1200 | Lunch | |
| 1300 | Coast Survey's Hydrographic Surveying Program: Planning, Managing, and Qualifying Hydrographic Survey Data Acquisition in the Great Lakes | <i>Christy Fandel NOAA</i> |
| 1330 | Adding to the Map: Large-scale Charting Efforts of Lake Michigan Contribute to Lakebed 2030 Initiatives | <i>Dave Bernstein NV5</i> |
| 1400 | Shallow and Extended Range Lakebed Mapping with Long-endurance USVs | <i>Matt Holland NORBIT/SailDrone</i> |
| 1430 | Great Lakes Satellite Derived Bathymetry: Successes, Failures, and New Approaches | <i>Kyle Goodrich TCarta</i> |
| 1500 | Coffee Break | |
| 1515 | Looking Below the Surface: An Update on Benthic Habitat Mapping in the Great Lakes | <i>Lara O'Brien NOAA</i> |
| 1545 | Benthic Habitat Mapping: Integrating AUVs and ROVs with Photogrammetry and Machine Learning | <i>Phillipe Wernette MTU – Great Lakes Research Ctr.</i> |
| 1615 | Modernizing Great Lakes Benthic Mapping: Updates on a Collaborative Workflow | <i>Charles Menza NOAA</i> |
| 1645 | Employer – Student Roundtable (register here) | |
| 1730 | Close-of-the-Day Events | |

Thursday, September 19, 2024 (times reflect Eastern daylight time)

| Time | Topic | Event / Presentation | Presenter(s) |
|------|---|--|--|
| 0800 | Hosted Breakfast | | |
| 0830 | Opening Remarks | Welcome and Overview of Day Two Keynote Speaker Introductions | <i>Millicent Pitts</i> <i>Oceans Exchange</i> |
| 0845 | Keynote | Mapping the Future: The Case for Data-Driven Solutions, Technology Innovation, and Workforce Development | <i>Chris Ostrander, CEO</i> <i>Marine Technology Society</i> |
| 0915 | Featured Speaker | Status of Mapping/Charting on the Canadian Side of the Great Lakes and Opportunities to Increase Contributions from Other Interested Organizations along with New Technologies | <i>Dana Gallant, Manager</i> <i>Data Access and Contracting</i> <i>Canadian Hydrographic Service</i> |
| 0945 | Featured Speaker | Topic TBD | <i>Rear Admiral Ben Evans</i> <i>Director, NOAA</i> |
| 1015 | Break | | |
| 1030 | NOAA's New Center of Excellence for Operational Ocean and Great Lakes Mapping | | <i>Andy Armstrong</i> <i>NOAA</i> |
| 1100 | Lake Superior Mapping and Archaeological Exploration Using Uncrewed Technology and High-Performance Multibeam | | <i>Travis White</i> <i>MTU – Great Lakes Research Center</i> |
| 1130 | Between Two Lakes: Habitat Mapping in the Niagara River | | <i>Josephine Johnson</i> <i>US Fish & Wildlife Service</i> |
| 1200 | Lunch | | |
| 1300 | A Community-led Plan to Explore the Underwater Cultural Heritage of Flathead Lake, Montana | | <i>Helen Stewart</i> <i>Fugro</i> |
| 1330 | Deep Crater Structures in the Milwaukee Basin | | <i>Caitlin Zant</i> <i>Wisconsin Shipwreck Coast National Marine Sanctuary</i> |
| 1400 | Where in the World Is Data? | | <i>Tim Kearns</i> <i>GLOS</i> |
| 1430 | OCEANS 25 - Great Lakes Closing Remarks / Event Close | | <i>Hans VanSumeren, Senior Director</i> <i>Ocean Enterprise, MTS</i> <i>OCEANS 25 LOC Chair</i> |
| 1500 | Lakebed 2024 Event Close | | |

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|-------------|--|
| 1700 - 1900 | <h2 style="margin: 0;">MTS / THSOA Regional Chapter Meeting</h2> <p style="margin: 0;">Traverse City Curling Center, 1712 S. Garfield Ave., Traverse City</p> <p style="margin: 0;">This event is <u>not</u> included in the Lakebed conference registration and requires a separate registration.</p> <p style="margin: 0;">Click here to register for the chapter meeting/curling.</p> |
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Revision date: (09.05.2024)