

# GLOS PI Webinar Series:

Takeaways for the Great Lakes Observing  
Community from the 2018 MTS Buoy Workshop

Friday, June 1, 2018

12:00 P.M.- 1:00 P.M.

# Presentation Outline

- Workshop Overview
- Session Highlights/Take aways for the Great Lakes
- Wrap-up/Future Events

# Overview (Becky Pearson)

- Attendees: 110
- Countries Represented: 7
- States Represented: 16
- Number of Sessions: 11
- GLERL Tour

# Session 1&2: GLOS/Great Lakes Session (Tom/Jamie)

- Funding observation creatively
- [glbuoys.glos.us](http://glbuoys.glos.us)
- Feedback from MTS workshop participants

## Session 3: Challenging Environments and Modeling (Speaker? )

- Retrospective review of data can teach you unexpected things
- Moorings - an issue everywhere -> workshop?; corroding shackles

## Session 4: Measuring Waves - Crandle/Lenters presentations on GL (Speaker?)

- CDIP - QA/QC Waves - James Behrens
- GNSS - GPS technology
- Several low cost wave sensors on the market - have they been validated?
  - Seaview - [SVS 603](#)
  - Xeos - Brizo <http://www.xeostech.com/product/brizo>

## Session 5&6 - Observing Systems (Speaker?)

- Fisk RAEON
- Acknowledge GL presentations
- Compare and contrast to oceans? Oil industry as a driver for collaboration
- Canadian role?
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# Session 7&8 - Buoy Instrumentation and Data

## Low cost/DIY (Miller)

- Iridium - new generation blanket planet in high speed two way telemetry
- Wirewalker - open source design.. Available for use in GL



# Session 9&10: NOAA Updates and Developments (Speaker?)

- NDBC updates - new wave systems, SCOOP (Lake Superior, Central LE), continued operational focus
- How to leverage

# Session 11 - Wave Energy and a General Power Discussion (Speaker?)

- Lithium
- Wind power

## Vendors in Attendance (Speaker?)

- Wind Sensors - Gill has new ip67 sensor coming out.. Great for buoys
- Acoustic data transmission - \$3k/modem to send data off bottom
- Orcina & Proteus - mooring design software

# Future Steps

- PI Webinar III: summer 2018? What should the topic be?
- GLOS Data Sharing Workshop, June 23, IAGLR 2018, Toronto, Ontario
- IAGLR State of Lake Superior, October 8-11, Houghton, Michigan?
- GLOS Annual Meeting, October 16-17, Detroit, Michigan