



Update on the Great Lakes Maritime Research Institute



**Presented at
CFIRE – Freight Research
Workshop - UTC Updates**

October 20, 2009



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Mission Statement

The Great Lakes Maritime Research Institute is dedicated to developing and improving economically and environmentally sustainable maritime commerce on the Great Lakes through applied research.



National Maritime Enhancement Institutes

Establishment of institutes under Section 8 of Public Law 101-115 (103 Stat. 694), approved October 13, 1989 NMEIs are equivalent of UTCs under law.

Programs of institutes evaluated by the US Maritime Administration. Designated by the US Secretary of Transportation

- Louisiana State University-New Orleans **Gulf**
- Marshall University, WV **Ohio**
- Massachusetts Institute of Technology **Atlantic**
- Memphis State University **Mississippi**
- Texas Transportation Institute **Gulf**
- **University of California at Berkeley** **Pacific**
- U.S. Merchant Marine Academy **Atlantic**
- Great Lakes Maritime Research Institute **Great Lakes**



Great Lakes Maritime Research Institute

*A University of Wisconsin - Superior and
University of Minnesota Duluth Consortium*

**GLMRI Co-Directors
UMD and UW-S
Dean Riehl and Dr. Stewart**

**Assistant Director
Carol Wolosz**

**University of Minnesota
Duluth**

SCSE and LSBE

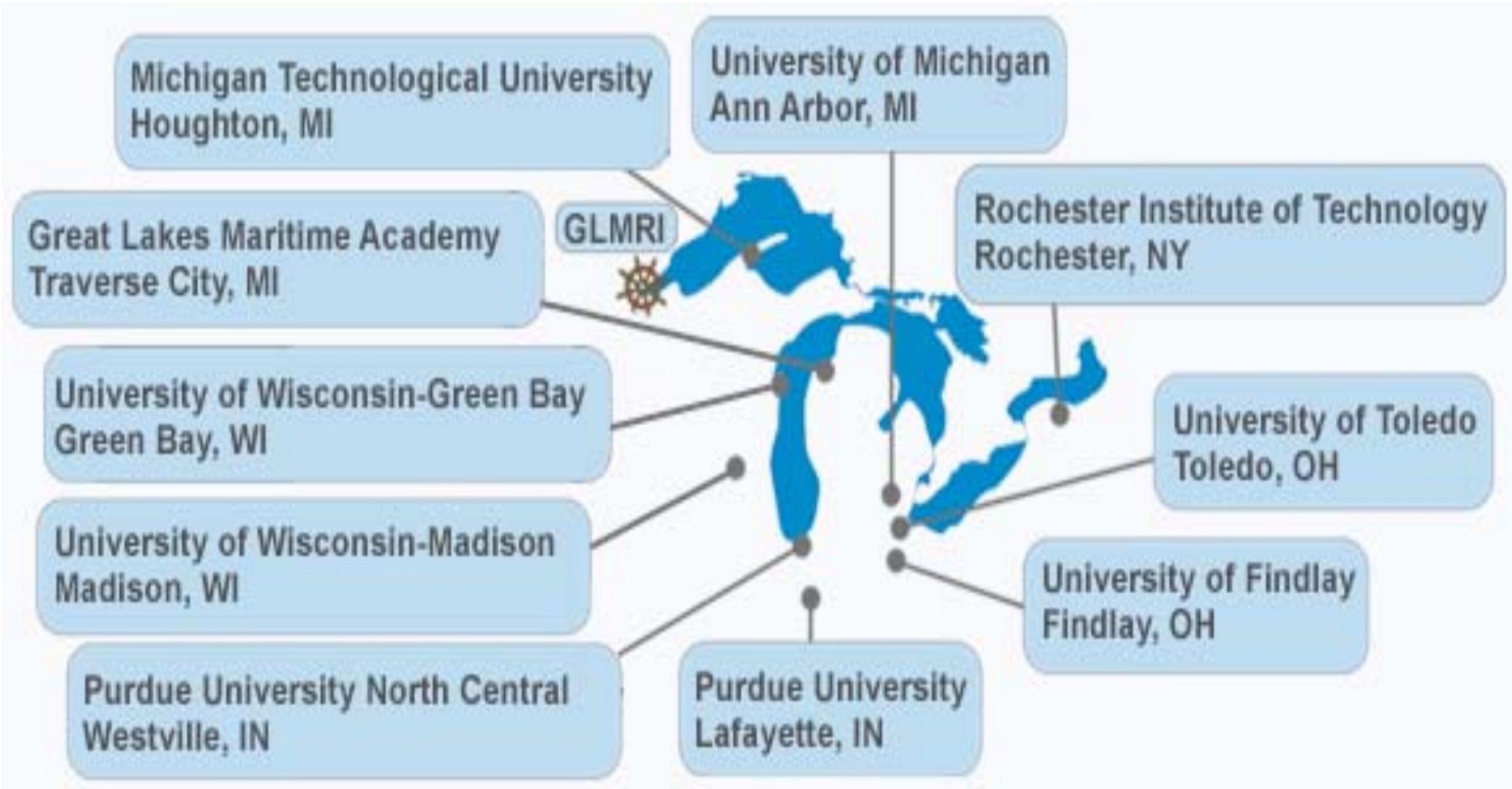
**Affiliate
Universities**

**UW-Superior
Transportation and
Logistics Research
Center**

Advisory Board

- **U.S. Coast Guard**
- **Lake Carriers Association**
- **American Great Lakes Ports Association**
- **U.S. DOT Maritime Administration**
- **US Army Corps of Engineers**
- **The Great Lakes Commission**
- **St. Lawrence Seaway Development Corp**
- **Society of Naval Architects and Marine Engineers**





Affiliate Universities:

Provide Ideas for Research topics

Receive Funding for competitive research grant proposals



Recent GLMRI Outreach Activities

- **GLOS (NOAA) Board of Director Member**
- **Transportation Research Board Committees**
- **Ship Operations Cooperative Program**
- **GLCC -Cruise Line Education for Ports – Michigan & NY**
- **SNAME member and presenter**
- **Green Marine Member and presenter**
- **MTS/NAC member**
- **International Association of Great Lakes Researchers**



GLMRI Outreach Continued

- **Green Bay, WI Intermodal Seminar**
- **Government Accountability Office**
- **Finland Collaboration. Tour of Finland Shipping community**
- **Presentation to the US Senates Great Lakes Task Force**



GLMRI Strategic Research Goals

1. More and Greener Great Lakes Maritime Traffic

- Short Sea Shipping, Ship Building Technologies
- Ballast-Free Ship design, Emission control technologies
- Expanded Operations Potential of the GLMTS
- Market Opportunities for the US-Flag vessels in Trade with Canada

2. Improved Marine Planning

- Improve integration of GLMTS into the National Transportation System



3. Increased Productivity through Technology and Management Innovations

- Vessel Operations, Port Operations
 - Intermodal Connectors,
- Aging Infrastructure and Port Corrosion Issues
 - Regulatory Changes,
 - Intelligent Transportation Systems Technologies

4. Easier and Better Access to Maritime Data/Information

- Support federal and state transportation planners

5. Create a Body of Coordinated Researchers on Great Lakes Maritime Issues

- State of the art research and teaching



Thank You!

www.glmri.org