



Great Lakes Maritime Research Institute

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

Quarterly Update 2007

April

Co-Directors: Richard D. Stewart & James P. Riehl

Since the January update, we've been moving along with the plans for the Summer 2007 research agenda. The RFP was released to the universities on April 5th, with the proposals due by Monday, June 4th. (The RFP is accessible on www.glmri.org.)

The University of Houston (UH) is leading a proposal submission to the Department of Homeland Security (DHS) for the purpose of establishing a multi-institutional Center of Excellence (COE) focusing on maritime security. GLMRI is one of the supporting institutes included in the COE. The role of the COE will be to assist DHS in facilitating and defending maritime commerce and global supply chains, minimize damage and expedite recovery from attacks or catastrophic events impacting maritime interests, and protect coastal population centers and critical infrastructure. DHS is also seeking maritime security research that will integrate public and private resources and expertise into a coordinated effort to address maritime threats systematically. We are looking to the University of Findlay, one of the GLMRI affiliate universities, to take a leading role in this initiative.

Personnel Update: The University of Wisconsin-Superior office of GLMRI has hired a new Research Associate. Stacey Carlson is a 2004 graduate of the

University of Wisconsin-Superior's Transportation and Logistics Management program. Stacey served as a Marine Science Technician in the Coast Guard, completing foreign vessel inspections in Massena, NY. She was the first female deckhand on an ARTCO towboat on the Mississippi and Ohio Rivers, and served as an intern stevedoring superintendent with Marine Terminals Corporation in Oakland, CA. For the past three years, she was with Target Corporation as a Group Leader at the Target.com Distribution Center in Woodbury, MN, and the Import Warehouse in Rialto, CA. Stacey is a native of Grantsburg, WI.

Another New Affiliate University:

In March, Rochester Institute of Technology joined the team of GLMRI Affiliates. They bring expertise in energy and environmental policy along with modeling of environmental and economic impacts of energy technologies.

Key Planning Dates

RFP proposals due Monday, June 4, 2007

**MTU GL Teachers' Workshop
July 29 - August 3, 2007**

**Advisory Board Meeting
September 27, 2007
Duluth/Superior**

**Affiliate University Conference
September 28, 2007
Duluth/Superior**

Research Project Highlights

* **Dr. Michael Parsons from the University of Michigan completed the first phase of testing the 5 meter model seaway-sized bulk carrier for the hydrodynamic optimization testing of the ballast-free ship in the U/Mich Marine Hydrodynamics Laboratory towing tank. DrParsons' results of the testing were included in a short informational article in the Seaway Review, Jan - March 2007 edition.**

* **Dr. Daniel Pope from the University of Minnesota Duluth presented an update on his bio-diesel research and cold temperatures impact at the March 23, 2007, meeting of the Northeast Clean Energy Resource Team (CERT).**

***Dr. Peter Lindquist from the University of Toledo is working with the US Army Corps of Engineers to provide data management of the Great Lakes Master Dock Files, as part of the Great Lakes Data Delivery System.**

* **The Clean Manufacturing Technology Institute at Purdue University was awarded a project to develop an environmental management system "model" to examine port and tenant operations, and subsequently provide a tool to small public port authorities for enhancing environmental initiatives.**

**GLMRI Participation
Outreach Events/Presentations/Meetings
January - March 2007**

- Transportation Research Board, Marine Committees and Poster Session. Provided sponsorship for the Wisconsin Reception. Washington, D.C. January 14 - 18, 2007
- Office visits with MARAD and SLSDC Administrators and Congressional Offices. January 15 - 16, 2007
- Presentation on Maritime Research Areas to the Labovitz School of Business and Economics. University of Minnesota Duluth. February 14, 2007
- Mississippi Valley Transportation Coalition Meeting. Dearborn, MI. February 26 - 27, 2007
- Great Lakes Marine Community Day. Cleveland, OH. February 27 - 28, 2007
- Society of Naval Architects and Marine Engineers, Great Lakes and River Section. Cleveland, OH. March 1, 2007



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