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Great Lakes Maritime Research Institute

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

January 2010

Quarterly Update

(October - December 2009)

MARK YOUR CALENDARS!

Marine Community Day

February 10-11, 2010
Cleveland, Ohio

K-12 Maritime Teachers Workshop

June 21-25, 2010
Toledo, Ohio

GLMRI Fall Meetings

September 22-24, 2010
Superior, Wisconsin

The **2008-2009 Annual Report** will be coming to your mailbox soon. As of the writing of this update, the GLMRI Annual Report is being printed. You should receive your copy in mid-February. Please contact Carol Wolosz if you need additional copies.

Funding for GLMRI Included in the FY10 Omnibus Funding Bill

GLMRI has been appropriated an additional \$450,000 in the recent federal funding awards signed into law in November. We sincerely thank the Great Lakes congressional delegation for supporting GLMRI, with a special note to Chairman Obey and Chairman Oberstar for their continued recognition of the work that the Institute is doing to support maritime shipping and commerce in the Great Lakes.

GLMRI is still awaiting the receipt of the FY09 funding from DOT and MARAD, and this delay is now impacting the research timelines. The projects that were announced for selection by the GLMRI Program Office in August are on-hold, waiting for the receipt of funds to award the research contracts. We appreciate your patience due to this delay.

Academic and Industry Partnership for EPA Clean Diesel Grant

In December, GLMRI, in conjunction with a Great Lakes operator submitted a proposal to the EPA National Clean Diesel Funding Assistance Program. The proposal leverages federal and private funds to repower a Great Lakes ship. Award notifications are anticipated in February 2010.

Planning Underway for the K-12 Maritime Teachers Workshop

Ms. Joan Chadde from Michigan Technological University is planning the summer K-12 Maritime Teachers Institute for June 21st through the 25th, in Toledo, Ohio. This year's project is also receiving financial sponsorship from the Center for Freight Infrastructure Research and Education (C-FIRE) at the University of Wisconsin-Madison in addition to GLMRI to partner in the workshop efforts. The Toledo Maritime Academy will be helping from the local area to set up tours and lodging. Mr. Dave Knight, GLMRI Advisory Board member from the Great Lakes Commission, will be one of the presenters. The Maritime Primary and Secondary Education Coalition has endorsed the program and will be assisting with the publicity for the event. Registration information will be posted on the GLMRI web site.

GLMRI Research on the Agenda for Marine Community Day

Three of the GLMRI research projects will be showcased at the upcoming Marine Community Day event in Cleveland, Ohio, on February 11th. Dr. David Singer (University of Michigan) will be providing an update on work on the integrated electric plant for Great Lakes self-unloaders. Dr. David Doorn (University of Minnesota Duluth) will present an overview on the economic analysis project, and Dr. Scott Hawker (Rochester Institute of Technology) will summarize the efforts on the Great Lakes Geospatial Intermodal Freight Transport Model. Registration information is at <http://www.marinecommunityday.com/>

GLMRI Research Updates

The **Corrosion Study Group** met in December to discuss the latest findings on the sheet piling samples. Dr. Randall Hicks and graduate research assistant Jon Bostrom from the University of Minnesota Duluth's Biology Department provided updates to the group. Dr. Brenda Little from the Naval Research Laboratory had recently published her findings on the corrosion tubercles. Dr. Little presented her findings at the HTAC meeting held on Dec 2.

Economic Impact Study Update

The study continues to progress, but at a slow pace. Dr. David Doorn from the University of Minnesota Duluth, with the help of Todd Ripley from MARAD, determined that the MARAD Port Model would have to be purchased through Rutgers University due to the licensing agreement. For the university to purchase the access, a legal review had to be done. That has now been completed.

Mr. Jon Brown from USACE has introduced a new member to the Steering Group who has agreed to assist Dr. Doorn: Dr. David Vogt, Economist from the Oakridge National Research Laboratories.

Plans for the next Steering Group meeting are being finalized for April 2010.

Ballast-Free Ship Design focus for IMO Forum

Dr. Michael Parsons has accepted an invitation to be the keynote speaker at the International Maritime Organization's (IMO) GloBallast Program Research and Development Forum on Emerging ballast Water Management Systems at the World Maritime University in Malmo, Sweden. His presentation will include the results of the GLMRI Ballast-Free Ship research.

Key Outreach Events, Presentations, Meetings

- Carol Wolosz, along with Judi Rokos and Cadets Erika Schultz and Katrina Walheim from the Great Lakes Maritime Academy, attended the Women on the Water Conference at the Maine Maritime Academy. Castine, ME. Oct 15-17.
- Carol Wolosz attended the special HTAC presentation of Colonel Drolet, deputy commander, US Army Corps of Engineers, Great Lakes and Ohio River Division. Following the HTAC meeting, Carol Wolosz provided an overview of GLMRI and an update on GLMRI projects to Col. Drolet along with his accompanying team. Superior, WI and Duluth, MN. Oct 21.
- Dr. Stewart presented "Dedicated Funding for University Maritime Research" at the METRANS Urban Freight Conference. Long Beach, CA. Oct 21
- Drs. Stewart and Riehl met with the St. Lawrence Seaway Development Corporation, and congressional staff members from Congressmen Oberstar and Obey's offices. Washington, D.C. Nov 2-3.
- Stacey Carlson attended the Gales of November events. Duluth, MN. Nov 6-7.
- Dr. Stewart presented at the IANA Intermodal Expo. Anaheim, CA. Nov 15-17.
- Carol Wolosz and Jeannie Hartwick provided a presentation to a community group on the background and research areas of GLMRI. Duluth, MN. Nov 19.
- The Duluth-Superior Harbor Corrosion Study Group met at the Maritime Museum. Duluth, MN. Dec 1.
- Dr. Stewart, Carol Wolosz and Stacey Carlson participated in the HTAC meeting. Superior, WI. Dec 2.
- Matt TenEyck, from the UMD/UW-S/Great Ships Initiative joint project supporting the biological research on the propagule pressure and colonization of invasive species, participated in the seminar on environmental requirements for commercial and Navy ships at the ASTM mtg. Atlanta, GA. Dec 9.

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