



Great Lakes Maritime Research Institute

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

Quarterly Update

(January – March 2014)

April 2014

Registration is open for the 3rd GLMRI LNG Forum set for May 21st

GLMRI is hosting the third annual meeting to discuss the Liquefied Natural Gas (LNG) potential for the Great Lakes region. The meeting will be held on Wednesday, May 21st at the University of Wisconsin-Superior, in the Yellowjacket Union. An exciting slate of experts will discuss LNG uses and the safety culture. Current users will talk about their experience with LNG. A session titled “Greening the Supply Chain” will include speakers discussing the benefits of using natural gas.

The meeting will bring together potential LNG fuel users from the mining, agricultural, trucking, rail and maritime sectors. For the first time, a ship operator adopting LNG, TOTE Services, will be presenting. A representative of the LNG powered Wärtsilä engines on the new St. Lawrence Seaway/Quebec ferries will present. Participants from the LNG/equipment and pipeline industries, along with LNG development companies will be in attendance. This year’s agenda also includes the director of the Department of Energy’s Clean Cities Program from the Twin Cities.

Registration information along with a current agenda is available on the GLMRI web page:

www.glmri.org/news

Port of Cleveland Opens Container Service in 2014 Season

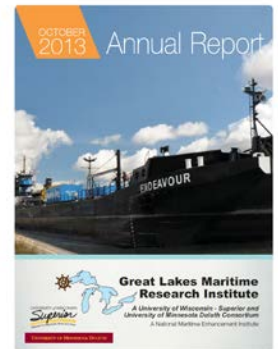
Congratulations to the Port of Cleveland with their new service this season between Europe and the Great Lakes. John Carroll University professor Dr. Bradley Hull along with the late Arnie De La Porte, Honorary Dutch Consul for the State of Ohio led the initial planning team with Erasmus University (Rotterdam) and The Dutch Consulate. Their research garnered interest from Port of Cleveland to take action to support this global opportunity for the Great Lakes and St. Lawrence Seaway. (John Carroll University is an affiliate university of GLMRI, and GLMRI sponsored the planning conference for this project.)

GLMRI Annual Report Available

The GLMRI report was mailed in March. If you would like to receive additional copies, please email us at info@glmri.org.

Also, it is available on the web at:

www.glmri.org/research



Engineering Students Tour Great Lakes Steamship

On February 27th, University of Minnesota Duluth Mechanical and Industrial Engineering students toured the *S.S. Callaway*, a Great Lakes self-unloading vessel owned by the Great Lakes Fleet/Key Lakes. The tour was coordinated by GLMRI. Mr. Ken Gerasimos from Key Lakes hosted the tour, along with Mr. Jim Sharrow, the Facilities Manager for the Duluth Seaway Port Authority. Mr. Gerasimos provided a detailed working perspective on the vessel. Mr. Sharrow had been part of the engineering team that had designed the steam plant automation so it could be controlled on the ship’s bridge. This update reduced the manning requirement by 3 crew members.

The gentlemen also talked about the reinforced hulls, and the anticipation of the opening of the Great Lakes shipping season with the extensive amount of ice on the Lakes.



Jeannie Hartwick Retires with 32 Years of Service

Ms. Jeannie Hartwick retired on March 3rd after a long career with the University of Minnesota Duluth. She started working in 1982 in the College of Letters and Science. In 1990, she moved to manage the research grants for Dr. Rip Rapp, (the former Dean) Director of the Archaeometry Laboratory. In 2002, she became the financial assistant for the Northland Advanced Transportation Research Laboratory, and helped to set up the Great Lakes Maritime Research Institute in 2004. For the past 10 years, she has managed many of the contracts and program activities for GLMRI. We wish her the best and we will miss her.



Jeannie Harwick, Dr. Richard Stewart & Carol Wolosz
"Feeling Blue with Jeannie Leaving ©"

Mark Your Calendars--Plan to Attend

Ship Operations Cooperative Program Spring Meeting
May 13-14, 2014
Houston, TX
(Register at www.socp.us)

TRB 2014 Midyear Meeting
And Workshop on Natural Gas as a Fuel for Freight
Transport
May 13-15, 2014
The Beckman Center, Irvine, CA

GLMRI Meeting. LNG: Potential for the Great Lakes
Region
May 21, 2014
University of Wisconsin-Superior
(Registration link at www.glmri.org/news)

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Key Outreach, Events, Presentations, & Meetings

- Dr. Stewart and Ms. Wolosz met with the St. Lawrence Seaway Development Corporation's Administrator Betty Sutton, Deputy Administrator Craig Middlebrook, Budget Director Kevin O'Malley and Government Relations Director Nancy Alcalde to provide updates on GLMRI studies and education projects. They also met with USCG personnel to discuss the progress of maritime regulations and policies to incorporate LNG and provide updates on the GLMRI LNG research and educational venues. Washington, D.C. 13 Jan.
- At the Maritime Administration (MARAD) Dr. Stewart and Ms. Wolosz met with Mr. Yuska to discuss potential research projects, along with the continuing work to develop the LNG supply chain to support shipping in the Great Lakes. They also participated in the MARAD National Maritime Strategy Symposium. Dr. Stewart presented an input on developing support for a long term research focus for MARAD. After the symposium, Ms. Wolosz met with MARAD representatives to discuss on-going research and education projects for GLMRI. Washington, D.C. 14-16 Jan.
- Dr. Stewart participated in the American Great Lake Ports Annual Winter meeting and also participated as an advisory board member to the Green Marine program meeting. Toronto, ON. 16-17 Jan.
- Ms. Wolosz participated in the Passenger Vessel Assoc. meeting. Cleveland, OH. 4 Feb.
- Ms. Wolosz attended the Great Lakes executive meeting. Cleveland, OH. 4 Feb.
- Dr. Stewart and Ms. Wolosz participated in the Great Lakes Waterways Conference. Cleveland, OH. 4-5 Feb.
- Ms. Wolosz participated in the Society of Naval Architects and Marine Engineers Great Lakes and Great Rivers Section meeting. Cleveland, OH. 5-6 Feb.
- Dr. Stewart discussed maritime topics in education at the C-FIRE conference. Gulfport, MS. 25-27 Feb.
- Ms. Wolosz set up a ship tour for Mechanical and Industrial Engineering Students of the *S.S. Callaway*. 27 Feb.
- Dr. Stewart and Ms. Wolosz met with a group of economic and natural gas developers evaluating siting a liquefaction plant in the Twin Ports. 3 Mar.
- Dr. Stewart provided a presentation to the UMD Engineering Club students on transportation and supply chain logistics. Duluth, MN. 6 Mar.
- Dr. Stewart met with Lake Carriers Association, U.S. Army Corps of Engineers and consultants to discuss updates to the Soo Locks study. Detroit, MI. 11-12 Mar.
- Ms. Wolosz coordinated a telecon with MARAD, FHWA and the Duluth MIC director, Mr. Ron Chicka to discuss the lack of inclusion of northern WI/MN in national freight planning initiatives. 21 Mar.

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