

Tour of Finland's Maritime Community



Delegation (l to r): Stacey Carlson and Dr. Richard Stewart, GLMRI, James Frost, CPCS Transcom Ltd., Adolph Ojard, Duluth Seaway Port Authority, Craig Middlebrook, St. Lawrence Seaway Development Corp., Dave Knight, Great Lakes Commission

In September, GLMRI strengthened the partnership with Finland research organizations by co-sponsoring a tour of Finland's maritime industry. The week-long agenda brought Great Lakes and coastal shipping advocates to the Baltic Sea to observe maritime operations.

The six-person delegation toured and met with the Directors from the Finnish ports of Vuosaari, Kotka, and Turku, traveled to the Saimaa Canal, and took a ferry to Tallinn, Estonia, to meet with the Port Director. In Helsinki, the group met with the Finnish Maritime Administration, toured the Helsinki VTS, discussed vessel operations with Unifeeder, met with the Helsinki Commission, and toured the RFID lab in Vantaa.

Research presentations on winter navigation, icebreaking, ballast water research, and AIS/VTS systems were provided by the Kymenlaakso University and the VTT Technical Research Centre of Finland. GLMRI presented to faculty and students at Kymenlaakso University on research, maritime education, and Great Lakes operations. The group visited the Aker Arctic Research Centre in Vuosaari and the Aker shipyard in Turku, where they received a tour of the cruise ship under construction, the *Oasis of the Seas*.

Prof. Jorma Rytkönen, research director at Kymenlaakso University in Kotka, Finland, accompanied the delegation throughout the week-long agenda.

GLMRI and MARAD Honor WWII Merchant Marine Veterans

In conjunction with the September Annual Meetings, GLMRI co-sponsored, along with the Richard I. Bong WWII Heritage Center, a reception and program to honor Merchant Marine Veterans in the Duluth-Superior area.

Dr. Richard Stewart, former Captain in the Naval Reserves and a graduate of the US Merchant Marine Academy at Kings Point, NY, was Master of Ceremonies for the event. Mr. Floyd Miras, from the U.S. Maritime Administration Great Lakes Gateway Office, presented a slate of medals to WWII Veteran Mr. Richard Bibby of Duluth. Mr. Robert Fuhrman, Director of the Bong Heritage Center provided an overview of the museum and the collection initiative.



WWII Veterans with event officials (l to r): Robert Fuhrman, Melvin Hall, Leo Franklin, Floyd Miras, Richard Bibby, Ken Johansen, and Richard Stewart.

Great Lakes Maritime Transportation Summer Educator Institute

In July, the Great Lakes Maritime Transportation Summer Educator Institute was held in Duluth-Superior. Joan Chadde from Michigan Technological University led a group for the one-week intensive agenda, learning about the iron ore mines in Northern Minnesota to exploring the underside of the Coast Guard Cutter *Alder* in dry dock at the Fraser Shipyard in Superior. Participants prepared lesson plans for their classrooms and earned two continuing education credits for the week-long program.

GLMRI Research Selections Announced

After an extensive review process by officials from academia, the maritime industry, and governmental agencies, GLMRI is happy to announce the following **eight project awards for the coming year**. GLMRI received a total of 16 proposals from 9 of the 12 affiliate and consortium universities totaling over \$1.1 million.

- Development of a Performance Evaluation Methodology for the Port/Terminal Sector Participation in the Green Marine Voluntary Environmental Program of the Saint Lawrence and Great Lakes Maritime Industry (**Purdue University – Dr. Lynn Corson**)
- Energy, Economic, and Environmental Tradeoffs associated with Freight Transport in the Great Lakes Region: Development and Application of the Great Lakes Geospatial Intermodal Freight Transportation Model (**Rochester Institute of Technology - Dr. James Winebrake**)
- Cold Flow Testing of Biodiesel Blends with Additives (**University of Minnesota Duluth – Dr. Daniel Pope**)
- Determining if Microbiologically Influenced Corrosion is Responsible for the Accelerated Loss of Port Transportation Infrastructure (**University of Minnesota Duluth – Dr. Randall Hicks**)
- Erie Pier Process Re-Use Facility Phase II: An Optimized Cost-Effective Strategy for Increased Transport and Handling of Dredged Materials (**University of Minnesota Duluth – Drs. Hongyi Chen and Rodger Brannon**)
- Year 3: Building Sustainable Solutions to the Issue of Ballast Water Treatment: Testing Relationships between Propagule Pressure and Colonization Success of Invasive Species (**University of Minnesota Duluth – Dr. Donn Branstrator, along with the University of Wisconsin-Superior’s Lake Superior Research Institute and Great Ships Initiative**)
- The Great Lakes Maritime Information Delivery System: A Resource for the Regional Analysis of Intermodal Freight Flows in the Great Lakes Region (Phase IV) (**University of Toledo – Dr. Peter Lindquist**)
- Great Lakes Marine Container Service Feasibility, Study: Connecting Green Bay to Global Container Service providers serving ports on the St. Lawrence Seaway (**University of Wisconsin-Green Bay – Dr. Earl Ray Hutchison**)

Key Outreach Events, Presentations, Meetings July - September 2008

- Co-Directors Semi-annual Update meetings to congressional offices, MARAD and SLSDC. Jul 14-15.
- GLMRI presentation to the Great Lakes Senate Task Force, Washington, D.C., Jul 15.
- K-12 Teachers Workshop, Duluth/Superior, Jul 20-25.
- Maritime Festival Expo, Duluth, MN, Aug 1-3.
- Wisconsin Commercial Ports Association, La Crosse, WI, Aug 6-7.
- Presentation at the Midcontinent Transportation Research Conference, Madison, WI, Aug 14-15.
- GLMRI update to the Duluth-Superior Harbor Technical Advisory Committee, Sep 3.
- Tour of Finland’s Maritime Community, Sep 7-12.
- GLMRI Outreach Presentation to the Western Area Business Group, Duluth, MN, Sep 10.
- Maritime Transportation System National Advisory Council, Washington, D.C., Sep 17-18.
- Duluth/Superior Propeller Club, Superior, WI, Sep 24.
- Reception to honor WWII Merchant Marine Veterans, Superior, WI, Sep 24.
- Northern MN/Northwest WI Regional Freight Study, Duluth, MN, Sep 25.
- GLMRI Annual Advisory Board and Affiliate University Meetings, Superior, WI, Sep 25-26.

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