



GREAT LAKES AND GREAT RIVERS SECTION  
THE SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS

2011-2012  
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James Lynch. (2013)  
James D. Sharrow (2014)  
Robert P. Hurrell (2012)

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## “Winter Meeting Announcement”

**Date: February 23-24, 2012**

**Location: Hyatt Regency at the Arcade - Downtown Cleveland**  
420 Superior Avenue  
Cleveland, Ohio 44114  
Tel: (216) 575-1234 Fax: (216) 575-1690  
Web Site: [www.cleveland.hyatt.com](http://www.cleveland.hyatt.com)

Reservations can be made directly with the hotel, using the contact information above. Reservations can also be made by logging on to [www.greatlakeswaterwaysconference.com](http://www.greatlakeswaterwaysconference.com). Thanks to our friends who are hosting the Great Lakes Waterways Conference, the very special room rate for this fabulous Hyatt property is only \$131.00/night. There is also a government rate of \$102.00/night available. **Be sure to make your room reservations ASAP** – and mention you are attending the Society of Naval Architects meeting to get the above rates.

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### Technical Program - “LNG as a Fuel for the Marine Industry in the Great Lakes & Great Rivers Region”

Our winter meeting will be an “All LNG” symposium/conference that will address the use of LNG (Liquid Natural Gas) and CNG (Compressed Natural Gas) as a potential fuel for the marine waterways in the Great Lakes Basin. This will be a two-day conference that will begin shortly after the conclusion of the Great Lakes Waterways Conference on Thursday, February 23<sup>rd</sup>. Our preliminary agenda is as follows:

#### Program Agenda:

Thursday, February 23<sup>rd</sup> - 1430-1630 (approx.)

An introduction to LNG and CNG, moderated by Gary Van Tassel, with participation by Bob Kamb (Clean Energy Fuels). This session is intended to be an introductory/educational forum for SNAME members and other participants with numerous opportunities for questions and answers by attendees.

Thursday, February 23<sup>rd</sup> - 1800-2000

SNAME hosted reception at the Hyatt Regency at the Arcade.

Friday, February 24<sup>th</sup> - 0730-0830

SNAME sponsored continental breakfast



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## “Winter Meeting Announcement”

### Program Agenda (continued)

#### Friday, February 24<sup>th</sup> - 0830-1230 (continued)

Dr. Mike Parsons (Professor Emeritus, University of Michigan) will present a paper “Conversion of the U.S. Great Lakes Steam Bulk Carriers to LNG Propulsion - Initial Report” on the feasibility of converting the remaining Great Lakes steamship bulk carriers to LNG fuel.

**Note: The following speakers will be grouped into two or more panels which will be finalized as the meeting date approaches, so there is no particular order to the listing:**

Chart Industries (manufacturer of cryogenic equipment) will talk about the challenges of manufacturing tanks for storing or transporting LNG and CNG.

John Thompson (DTE Energy) will speak about the availability and distribution of CNG in Michigan, and also address the issue of “safety in the gas train” (how the safety of the entire system, from tanks to burners, is addressed on shore-based systems).

Ivar Flusund, Technical Manager, Rolls-Royce Marine - Aalesund, Norway and Odd Magne Horgen, General Sales Manager, Rolls Royce Marine - Bergen, Norway will discuss Rolls Royce’s experiences with applications of lean burn LNG propulsion and auxiliary engines and systems in a variety of vessel designs world-wide.

Bob Kamb (Clean Energy Fuels) will discuss what is realistically possible in the near term for the Great Lakes as far as the use of LNG and CNG.

Ken Westcar (Toromont CAT) will present his company’s experience working with LNG-fueled engines.

Peter Jacobs (Wartsila) will talk about LNG bunkering and storage, automation, dual fuel engine technology, and the potential cost savings with LNG as a fuel.

Stephen Gumpel (ABS - Vice President for Business Development) will discuss the role of ABS in the development of LNG and CNG as a fuel in the marine industry.

#### Friday, February 24<sup>th</sup> - 1230-1330

SNAME sponsored luncheon

#### Friday, February 24<sup>th</sup> - 1330-1600

SNAME sponsored dessert and coffee bar to allow participants the opportunity to network, continue discussions, and also to plan for the next step with LNG. This will be an open forum moderated by Steve Kemp, SNAME Papers Chairman.