



# ***The Institute of Marine Engineering, Science & Technology***



## **Eastern USA Branch**

Chairman & Honorary Secretary  
Bradley D.M. Golden  
15-55 Bell Blvd., 2nd Floor, Bayside, NY 11360  
goldenmarineandoffshore@gmail.com

Honorary Treasurer  
Chris Law  
Aon Commercial Risk – Marine Practice  
chris.law@aon.com

May 20, 2020

### **MEETING NOTICE**

The next technical meeting of the IMarEST Eastern USA Branch will be a joint session with the Society of Naval Architects and Marine Engineers (SNAME), the Society of Marine Port Engineers (SMPE), and the American Society of Naval Engineers (ASNE). This meeting is being jointly hosted by ASNE and the IMarEST.

**Date:** Wednesday, May 27, 2020

**Location:** This month's meeting will be an online-only webcast. To register, please visit [https://zoom.us/meeting/register/tJYpde-pqT0uGtQfT1ngbZ7vrOMxIT\\_P-Bfm](https://zoom.us/meeting/register/tJYpde-pqT0uGtQfT1ngbZ7vrOMxIT_P-Bfm). Once registered, you'll receive a confirmation with a link to join the event.

**Topic:** Status and Advances in the European and U.S. Wind Energy Market Sectors

**Presenter:** Graeme Hyde  
Offshore Renewables & Type Approval – Business Development Manager  
Americas Marine & Offshore  
Lloyd's Register North America, Inc.

**Time:** 7:00 PM

**Cost:** Free of charge

Additional details about this presentation and future meetings can be found on the following pages. Please also see the Eastern USA Branch's website for details on viewing a live webcast of this meeting and recordings of past meetings.

Please register for this meeting using the link above. The meeting is limited to the first 300 persons, so please register early. If you have any questions, please contact Bradley Golden, Chairman & Honorary Secretary ([goldenmarineandoffshore@gmail.com](mailto:goldenmarineandoffshore@gmail.com)).

Best regards,

Bradley D.M. Golden, Chairman & Honorary Secretary

Vice Chair – Technical  
Paul Hormann  
pmhormann@gmail.com

Honorary Secretary Emeritus  
Robert J. Bazzini



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### **TECHNICAL PRESENTATION INFORMATION**

- Date:** Wednesday, May 27, 2020
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- Topic:** Status and Advances in the European and U.S. Wind Energy Market Sectors
- Presenter:** **Graeme Hyde**  
**Offshore Renewables & Type Approval – Business Development Manager**  
**Americas Marine & Offshore**  
**Lloyd's Register North America, Inc.**

On Completing a career as a Chief Engineer, Graeme joined Lloyd's Register (LR) in 1996 as a Ship Surveyor, working on almost all types of existing ocean-going vessels in New York where the activities also included undertaking surveys on equipment and components for new and existing vessels. Graeme transferred to Philadelphia where, after becoming a Senior Surveyor, he began working on the classification of equipment, components, and materials; also undertaking quality schemes for equipment, components, and materials. Subsequently, Graeme became Senior Surveyor in charge of the ports of Philadelphia and Baltimore as well as regional coordinator of the Quality Assurance for Engineering Systems operated within the Americas.

In December 2015, Graeme changed roles to become the Americas Type Approval – Business Development Manager as Lloyd's Register recognized the importance of having a dedicated technical matter expert who could undertake a supporting role for the equipment and component manufacturers and the steel mills, foundries, forging companies, etc. who support the shipbuilding and existing shipping industry. In 2019, to reflect growth of market segments, Graeme took on new additional role of Offshore Renewables Business Development within the Americas to support the new growth within this sector.

Focus today is the development of the offshore wind and renewables business as well as continual improvement of the type approval process, certification, and alternative methods such as the Quality Assurance for Engineering Systems (QAES) which allows companies flexibility for certification, supply chain management, and also certification of unique innovative products for marine and offshore renewables use.

Graeme holds a B. Eng. in Mechanical System and Design Engineering from the University of Liverpool in the United Kingdom. He has also qualified as a Chartered Engineer, a member of the Engineering Council within the UK and a Member of the Institution of Marine Engineering, Science & Technology (IMarEST).



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**Abstract:** Global energy demand is now increasing at its fastest pace in over a decade, with fossil fuels meeting 70% of that growth in electricity consumption. As fossil fuel emissions continue to exacerbate the effects of climate change, carbon-free solutions like nuclear, solar power, and wind power are becoming a more important part of the world energy demand equation. This presentation looks at the offshore wind part of this carbon-free alternative and the rapid expansion posed to take place within the United States. Where did offshore wind develop and what are the challenges in meeting the demand and develop up to 83 GW of offshore wind on the East Coast of the USA to meet the East Coast states CO<sub>2</sub> reductions by 2030.

This presentation is anticipated to be accredited for 1 PDH. To obtain PDH credit, participants must attend the meeting and submit a completed Learning Assessment and Application Form to the designated representative upon conclusion of the meeting.



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## Eastern USA Branch

### NEW YORK AREA JOINT SOCIETIES' MEETING SCHEDULE, 2019-2020

Date	Day	Event	Host	Location	Presentation
18 Sep 2019	Wed	SNAME Meeting Past Chairman's Night	SNAME	India House 1 Hanover Sq.	International Regulations / Rod Acquie
16 Oct 2019	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SNAME	India House 1 Hanover Sq.	The Effects of Hull and Propeller Roughness on Ship Speed, Power, Required Freight Rate and Maneuverability / John Daidola
30 Oct-2 Nov 2019	Wed- Sat	SNAME Maritime Convention	SNAME	Tacoma, WA	Papers at Meeting
13 Nov 2019	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	IMarEST	India House 1 Hanover Sq.	Eliminating the Sterntube in New Deep Sea Ship Construction / Ken Ogle
11 Dec 2019	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SMPE	Iberia Peninsula Newark, NJ	Ropes and Wires for the Marine Industry / Mark Pieter Frolich
15 Jan 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SMPE	Iberia Peninsula Newark, NJ	Reliability Based Maintenance Programs / Brian Graney
19 Feb 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting (SMPE Elections)	SNAME	India House 1 Hanover Sq.	Fluid-Structure Interactions for High-Speed Planing Craft / Christine Gilbert, PhD
19 Mar 2020 <b>(Postponed)</b>	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	IMarEST	India House 1 Hanover Sq.	Status and Advances in the European and U.S. Wind Energy Market Sectors / Graeme Hyde
22 Apr 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting (Student Papers Night and SNAME Elections)	SNAME	Online	Student Papers
27 May 2020 <b>(New Date)</b>	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	ASNE and IMarEST	TBA	Status and Advances in the European and U.S. Wind Energy Market Sectors / Graeme Hyde
13 Jun 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SNAME	TBA	TBA
4-6 Aug 2020 <b>(New Dates)</b>	Tue- Thur	TSS/ASNE Day 2020	ASNE	Washington DC	Papers at Meeting