



# The Institute of Marine Engineering, Science & Technology



## Eastern USA Branch

Chairman & Honorary Secretary  
Bradley D.M. Golden  
c/o Tritec Marine LLC  
1010 Northern Blvd., Ste. 208, Great Neck, NY 11021  
bradley.golden@tritec-marine.com

Honorary Treasurer  
Alan L. Rowen  
6 Grove Court, New York, NY 10014  
alanrowen@gmail.com

December 12, 2016

### 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 hosted by SMPE.

Date: Thursday, December 15, 2016

Location: Iberia Peninsula Restaurant  
63-69 Ferry Street, Newark, NJ 07105

Topic: Forces in Mooring Lines of Large Tankers

Presenter: Rune Iversen, Senior Engineer, Simpson Gumpertz & Heger (SGH)

<u>Time:</u>	Social Hour	– 5:00 PM	<u>Cost:</u>	Members	– \$40.00
	Dinner	– 6:00 PM		Non-Members	– \$55.00
	Technical Session	– 6:45 PM		Student Members	– \$15.00
				Student Non-Members	– \$25.00

Additional details about this presentation and future meetings can be found on the following pages.

Please E-mail your plans to attend to Bradley Golden, Chairman & Honorary Secretary ([bradley.golden@tritec-marine.com](mailto:bradley.golden@tritec-marine.com)) by Wednesday, December 14, 2016. We encourage inviting prospective new members interested in joining the Institute to attend a technical meeting as a guest of the Eastern USA Branch of the IMarEST.

Best regards,

Bradley D.M. Golden, Chairman & Honorary Secretary

Vice Chair – Technical  
Paul Hormann  
[pmhormann@aol.com](mailto:pmhormann@aol.com)

Honorary Secretary Emeritus  
Robert J. Bazzini  
rjb934@optonline.net



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



## **Eastern USA Branch**

### **TECHNICAL PRESENTATION INFORMATION**

**Date:** Thursday, December 15, 2016

**Location:** Iberia Peninsula Restaurant  
63-69 Ferry Street, Newark, NJ 07105

**Topic:** Forces in Mooring Lines of Large Tankers

**Presenter:** **Rune Iversen, Senior Engineer, Simpson Gumpertz & Heger (SGH)**

Rune Iversen is a Senior Engineer for Simpson Gumpertz & Heger (SGH) in Oakland, California. He received his M.S. in Naval Architecture and Marine Engineering with an emphasis in Structural Engineering from the Norwegian University of Science and Technology in Trondheim, which included 2 years of study in the M.S. program at the University of California, Berkeley. He has been working for consulting engineering firms for 17 years, the last 5 years with SGH. He has particular experience with mooring and berthing analysis and design, structural condition assessments, and repair design. He's active in ASCE and PIANC committees on mooring, berthing, and condition assessment, and is a member of the SNAME Hull Structure Committee.

**Abstract:** As a result of regulatory requirements in California, some marine oil terminals have installed mooring hooks with mooring line tension monitoring capabilities. With these installations, there is now a lot of data available that can be compared with and possibly verify the design methodologies currently in use. Factors influencing the selection and design of mooring equipment and lines will be presented together with how this all affects mooring operations at marine terminals. An overview of the available tension data will be given, and cases exhibiting high line loads or vessel movements will be selected for a more detailed study, including environmental data, vessel loading conditions, as well as possible passing vessel effects. The actual data will be compared to results from analyses of the selected cases.

This presentation is expected to be accredited for 1 PDH. Please contact SNAME's Professional Engineer Continuing Education Program Evaluator, Professor Alan Rowen ([alanrowen@gmail.com](mailto:alanrowen@gmail.com)), for more details.



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



## **Eastern USA Branch**

### **NEW YORK AREA JOINT SOCIETIES' MEETING SCHEDULE, 2016-2017**

Date	Day	Event	Host	Location	Presentation
29 Sep 2016	Thursday	SNAME Meeting Past Chairmen's Night	SNAME	SUNY Audit 116 E. 55 <sup>th</sup> St	CFD Paper/Timothy Yen PhD, CD-Adapco
26 Oct 2016	Wednesday	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SNAME	SUNY Audit 116 E. 55 <sup>th</sup> St	Innovation Adopters' Selection Priorities – The Case of Alternative Fuels/Amit Mokashi
2-5 Nov 2016	Tuesday- Saturday	SNAME Maritime Convention Bellevue Washington	SNAME	Bellevue WA	Papers at Meeting
15 Nov 2016	Wednesday	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SNAME	SUNY Audit 116 E. 55 <sup>th</sup> St	Challenges and Achievements of CFD (Computational Fluid Dynamics) for Hydrodynamic Applications/ Alain Demeulenaere
15 Dec 2016	Thursday	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SMPE	Peninsula Newark	Forces in Mooring Lines of Large Tankers/Rune Iversen
(TBD) Jan 17	(TBD)	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SMPE	Peninsula Newark	TBD
(TBD) Feb 17		SMPE Family Day	SMPE	Landmark	TBD
14-16 Feb 2017	Tuesday- Thursday	TSS 2017 (ASNE Day)	ASNE	Washington, DC	Papers at Meeting
9 Mar 2017	Wednesday	SNAME/IMarEST/SMPE/ ASNE Joint Meeting SNAME Elections	IMarEST	SUNY Audit 116 E. 55 <sup>th</sup> St	TBD
12 Apr 2017	Wednesday	SNAME/IMarEST/SMPE/ ASNE Joint Meeting (Student Paper Night)	SNAME	SUNY Audit 116 E. 55 <sup>th</sup> St	Student Papers
17 May 2017	Wednesday	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	ASNE	SUNY Audit 116 E. 55 <sup>th</sup> St	TBD
7 Jun 2017	Wednesday	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SNAME	SUNY Audit 116 E. 55 <sup>th</sup> St	TBD