



# 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, Starr Marine  
399 Park Ave., 24th Floor, New York, NY 10022  
chris.law@starrcompanies.com

October 14, 2019

### 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 SNAME.

Date: Wednesday, October 16, 2019

Location: India House  
1 Hanover Square  
New York, NY 10004

Topic: The Effects of Hull and Propeller Roughness on Ship Speed, Power and Required Freight Rate

Presenter: Dr. John C. Daidola P.E., Fellow SNAME

<u>Time:</u>	Social Hour	– 5:00 PM	<u>Cost:</u>	Members	– \$40.00
	Dinner	– 6:00 PM		Non-Members	– \$55.00
	Technical Session	– 7:00 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 also see the Eastern USA Branch’s website for details on viewing a live webcast of this meeting and recordings of past meetings.

Please E-mail your plans to attend to Bradley Golden, Chairman & Honorary Secretary ([goldenmarineandoffshore@gmail.com](mailto:goldenmarineandoffshore@gmail.com)) by Tuesday, October 15, 2019. 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@gmail.com

Honorary Secretary Emeritus  
Robert J. Bazzini



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



## **Eastern USA Branch**

### **TECHNICAL PRESENTATION INFORMATION**

**Date:** Thursday, June 6, 2019

**Location:** India House  
1 Hanover Square  
New York, NY 10004

**Topic:** Forecasting and Warning for Extreme Ocean Storms

**Presenter:** Dr. John C. Daidola P.E., Fellow SNAME

Dr. Daidola is a graduate of the University of Michigan and Stevens Institute in naval architecture and marine engineering. He has authored over 90 publications on a variety of subjects of interest to the industry. Dr. Daidola is a licensed engineer and President of the naval architecture and marine engineering firm AENY. He is a Member of ASNE and Chairman of its Metropolitan New York Section. Dr. Daidola is also a Fellow of SNAME and has received its highest award, the David W. Taylor Medal for notable achievement in naval architecture and marine engineering.

**Abstract:** The roughening of the ship over time and its effects on vessel operation are identified. Vessel lifetime roughness profiles are postulated based on ship production, coatings, biofouling, maintenance, quality of propeller manufacture, cavitation, pitting and damage during service. These are utilized to determine the increase in required power or loss of speed. The results are then incorporated in a Required Freight Rate (RFR) analysis to determine the effects on vessel profitability. Examples are provided for several vessel types. The approach to developing the speed/power predictions and the roughness profile is identified, providing a means for investigating different magnitudes and scenarios of these causes of roughness.

This presentation is expected to be accredited for 1 PDH. Please contact SNAME's Professional Engineer Continuing Education Program Evaluator, David Chapman ([davechapman50@gmail.com](mailto:davechapman50@gmail.com)), for more details.



# The Institute of Marine Engineering, Science & Technology



## 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.	Elimination of Stern Tubes on Commercial Ships / Ken Ogle
11 Dec 2019	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SMPE	Iberia Peninsula Newark, NJ	TBA
15 Jan 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SMPE	Iberia Peninsula Newark, NJ	TBA
19 Feb 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting (SMPE Elections)	SNAME	India House 1 Hanover Sq.	TBA
18 Mar 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	IMarEST	India House 1 Hanover Sq.	TBA
22 Apr 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting (SNAME Elections)	SNAME	Riccardo's by the Bridge Astoria, NY	Student Papers
20 May 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting (Student Paper Night)	ASNE	Riccardo's by the Bridge Astoria, NY	Student Papers
13 Jun 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting	SNAME	India House 1 Hanover Sq.	
16-18 Jun 2020	Tue- Thur	TSS/ASNE Day 2020	ASNE	Washington DC	Papers at Meeting