



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



## **Eastern USA Branch**

Chairman & Honorary Secretary  
Bradley D.M. Golden  
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Honorary Treasurer  
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April 19, 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 hosted by SNAME.

Date: Wednesday, April 22, 2020

Location: This month's meeting will be an online-only webcast. To register, please visit <https://register.gotowebinar.com/register/6885917375116572687>. Once registered, you'll receive a confirmation with a link to join the event.

Topic: Student Papers Night

Presenter: Students from Stevens Institute, the U.S. Merchant Marine Academy, and Webb Institute

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 100 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**

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**Topic:** Student Papers Night

**Presenters:** as Lloyd's Register recognized the importance of having a dedicated technical matter expert  
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**Papers:** **Stevens Institute**

- **Solar/Electric Boat**  
Presenters: James Bond, Matthew Roleke and Michael Steck

#### **U.S. Merchant Marine Academy**

- **Computational Fluid Dynamics in Real World Applications: Heat Exchangers**  
Presenter: M/N Filipa Martinovic, 1/c, USMMA  
Advisor: Dr. Sergio Perez
- **Internal Combustion Engine Emissions of the US Navy Fleet**  
Presenter: Eric Sawinski, P.E., USMMA MMarE Graduate Program  
Advisor: Professor Raymond Mathewson
- **Technical Feasibility Assessment of the Use of Pulse Width Modulation Drives in Ice Capable Ships**  
Presenter: Eric Christopher Renz, P.E., USMMA MMarE Graduate Program  
Advisor: James Turso, Ph.D., P.E

#### **Webb Institute**

- **Effect of Nonlinear Geometric Twist on Hydrodynamic Performance of Hydrofoils with Bell-Shaped Spanloads**  
Presenters: Max Pierce and Zane Tinnell  
Advisor: Adrian S. Onas



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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 (SNAME Elections)	SNAME	Online	Student Papers
20 May 2020	Wed	SNAME/IMarEST/SMPE/ ASNE Joint Meeting (Student Paper Night)	ASNE	TBA	TBA
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