The National Academies of  
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TRANSPORTATION RESEARCH BOARD  

MARINE BOARD FALL MEETING PRESENTATIONS  
November 7-9, 2018  
The Keck Center  
500 Fifth Street, NW, Washington, D.C. 20001  

Wednesday, November 7  

6:30 p.m.  
Sinking of US Cargo Vessel SS El Faro – NTSB Accident Report Briefing  
Brian Curtis, Director of Office of Marine Safety, NTSB  

Thursday, November 8  

Future Marine Navigation Technology: Advantages and Challenges  

8:35 a.m.  
Focus Session Topic Introduction  
Rear Admiral Richard "Dick" D. West USN (Ret.) - Marine Board  

8:40 a.m.  
Member Agency Leadership Perspectives  

- Rear Admiral Shepard M. Smith, Director, Office of Coast Survey, National Oceanic and Atmospheric Administration  
- Captain Kevin C. Kiefer, Deputy Director, Marine Transportation Systems, U.S. Coast Guard  
- Thomas P. Smith, SES, Chief, Operations and Regulatory Division, U.S. Army Corps of Engineers  

Technology Stakeholder Perspectives (User, Researcher, Trainer)  

- Captain Tom Jacobsen, Jacobsen Pilots, Marine Board Member [VIDEO]  
- Andy Armstrong, Co-Director, National Oceanic and Atmospheric Administration/University of New Hampshire Joint Hydrographic Center  
- Tim McLellan, Assistant Professor, Department of Marine Transportation, United States Merchant Marine Academy
10:45 a.m.  **Q/A and Discussion**  
Rear Admiral Richard "Dick" D. West (USN, Ret) - Marine Board Member

**Paths Towards Zero Emissions Shipping Operations**

1:00 p.m.  **Focus Session Topic Introduction**  
Mary Brooks – Outgoing Marine Board Chair

Chair 1:05 p.m.  **Panelists**
- *Deep Sea International Operator Perspective*
  John Butler, CEO, World Shipping Council
- *Domestic Operator Perspective*
  Ned Moran, Senior Vice President of Moran Towing Corporation
- *Refiner Perspective*
  Bill Hutchins, Project Manager LNG Marine Fuels - Americas, Shell
- *Regulator Perspective*
  Michael Samulski, Director, Large Marine and Aviation Center, Environmental Protection Agency (EPA)

2:45 p.m.  **Q/A and Discussion**  
Mary Brooks – Outgoing Marine Board Chair

4:30 p.m.  **Briefing on U.S. Coast Guard Data Risk Analytics Report**  
Martha Grabowski – Incoming Marine Board Vice Chair
Friday, November 9

8:30 a.m. **Day One Focus Session Outcomes Discussion**
- Future Marine Navigation Technology: Advantages and Challenges
- Paths Towards Zero Emissions Shipping Operations

9:15 a.m. **Marine Board Sponsor Updates**
10 minute agency briefs on recent activities and top issues from each liaison
- Michael Dean, Ocean Engineering, Supervisor of Salvage and Diving
- Thomas Fu, Office of Naval Research
- Heather Gilbert, National Oceanic and Atmospheric Administration
- Rajiv Khandpur, U.S. Coast Guard
- Kevin Knight, U.S. Army Corps of Engineers
- Todd Ripley, Maritime Administration

11:00 a.m. **Sponsor Agency Input to Marine Board Current Areas of Interest and Project Prospectuses**
Martha Grabowski – Incoming Marine Board Vice Chair