



17 April 2024 DRAFT AGENDA

Maritime Risk Symposium (MRS) 2024

11-13 June 2024 @ NPS

Our shared goal: *Building unity of purpose to achieve unity of effort.*

Focus: The Maritime Risk Symposium is an annual 2½ day conference in which government and maritime industry leaders, port representatives, researchers, and solution providers convene to examine current and emerging threats to maritime security. Maritime security is increasingly at risk during the current period of great-power competition and ongoing conflicts, especially in the Grey Zone. The maritime industry now finds itself at the center of attention for the U.S. Coast Guard, U.S. Navy, U.S. Marine Corps, U.S. Merchant Marine, inter-agency coordination, state and local governments, and international stakeholders.

Monday June 10

Facilities available for special meetings/tutorials/etc.

Tuesday June 11

0800 Master of Ceremonies – RADM Rich Timme, USCG (Ret)

- Welcome, President of NPS Dr. Ann E. Rondeau, Ed.D., VADM USN (Ret.)
- Welcome, NPS Foundation
- Co-Chair Host: Dr. Don Brutzman NPS

Keynote:

Keynote Panel 1 – Past Present Future of Tri-Service Maritime Strategy (TSMS)

Future of Multi-Service Maritime Strategy: How to Move Forward on Urgent Future Needs?

Focus: Knowledgeable flag officers provide insights for achieving an enduring national strategy amid growing military threats to U.S. maritime industry. 90 minutes total.

Panelists

Panel 2 – Maritime Domain Awareness and Tri-Service Collaboration – Stan Gold Chair

Focus: Global Maritime Security and prosperity is accomplished through the effective understanding of the maritime domain and by improving our ability to appropriately share maritime information, including intelligence, law enforcement information and all-source data from private sectors. How can we improve access to maritime information for all those with requisite needs and appropriate permissions among the Global Maritime Community of Interest (GMCOI) ? What are some key barriers to our ability to create

enterprise-level access to data and transition from current organization-centric data architecture? What are steps we can take today to break down these barriers and enhance collaboration between GMCOI members?

Panelists

- RADM Michael Brookes, USN Commander, Office of Naval Intelligence
- Captain Rachel Lewis, USCG Maritime Intelligence Fusion Center (MIFC)
Pacific Mr. Chris Page (SES) U.S. Navy OPNAV N2N6Q
- Dr Jack McCready, University of San Diego
- John Thayer, Science & Technology Directorate, Department of Homeland Security

Lunch – Networking – Lunch is on your own.

Panel 3 – Maritime Policy vis a vis the National Maritime Strategy – Capt Jon Kaskin, USN (Ret). Chair,

Focus: Since 2014 Congress has tasked the Administrations to develop a National Maritime Strategy to provide sufficient U.S. Flag Shipping, Mariners, and Shipbuilding capacity to meet future military sealift and economic security requirements—so far without success. This panel will discuss the latest attempt to develop this strategy mandated by the FY2023 National Defense Authorization Act. After providing a historical review of previous efforts, the panelists will provide the status of the ongoing study to provide input to the strategy followed by the Administration's, U.S. shipbuilding/repair industry, U.S.-flag shipping, and maritime labor perspectives regarding what the strategy needs to address.

Panelists

- Mr. Douglas McDonald, Director, Office of Policy and Plans, Maritime Administration
- Mr. Jerry Meyerle, Principal Research Scientist, Fleet Plans and Requirements, Center for Naval Analyses
- Ms. Sara Fuentes, Vice President for Government Affairs at Transportation Institute, Former Vice President of Government & External Affairs, Navy League of the United States. Vice President, American Maritime Partnership

Panel 4 – Maritime Cyber and Multi-Stakeholder Collaboration – Scott Blough Chair

Focus: Gray zone threats in the maritime domain, characterized by subtle cyberattacks aimed at disrupting operations and gaining strategic advantage, pose a complex challenge to traditional cybersecurity approaches. These threats often fall below the threshold of conventional conflict, making attribution and response difficult. Artificial intelligence (AI) offers promising solutions to enhance the detection, analysis, and mitigation of gray zone cyber threats in the maritime sector. This panel explores the potential of AI to counter tactics like GPS spoofing, AIS manipulation, and attacks against port infrastructure. It examines how machine learning can identify anomalies in network behavior, detect subtle patterns associated with grey zone activities, and automate threat intelligence analysis. The panel will also address the challenges of applying AI in this context, including the need for specialized datasets,

the explain ability of AI decisions, and ensuring the trustworthiness of AI systems in high-stakes environments.

Panelists

- Mr. Nate Toll, Principal Consultant, Mandiant, Google Cloud
- Mr. Austin Reid, Senior Consultant, ABS Group, Maritime Cybersecurity
- Mr Alexander Beall, JHU APL
- Mr Nick Parham, Esq. USCG Atlantic Area, Marine Transportation System Cybersecurity Coordinator

Reception, Student and Participant posters – Mr Rick Paxton Chair

Judges:

- Captain Grant Thomas, USCG
- Dr Fred Roberts, Rutgers University
- Dr Kelli Frakes, American Military University
- RDML Scott Clendenin, USCG (Ret) – Dog Zebra Consulting
- Dr Christine Duprow, DoD Ted Stevens Center
- Dr Jack McCready, Univ of San Diego
- Captain Shawn Malone, USN (Ret) – Lockheed Martin

Wednesday June 12

Keynote

Panel 5 – Understanding Maritime Risk amidst Grey Zone Conflict? – Capt. Eric “Coop” Cooper, USCG (Ret). Chair

Focus: How are gray zone activities identified (since they are already in an undefined space)? What types of risk does it pose to the economy, international relationships, security, and global balance of power? What types of risks does it bring to operational activities in different regions? What are the key concerns of each of the services and industry? What are each of the services doing to address these concerns? How are the services coordinating with international partners, government agencies and non-governmental organizations to combat Grey Zone activities?

Panelists

- Mr. Lawrence Walzer, NPS Maritime Gray Zone Research Task Force Chair
- CAPT Jason Ryan, Coast Guard Pacific Area, Chief of Operations
- Col. Raymond Powell, USAF (Ret.) Stanford University’s Gordian Knot Center,

Panel 6 – Multi-Service and Maritime Industry Collaboration in the Arctic – RADM Matt Bell, USCG (Ret). Chair

Focus: As maritime activity in the Arctic region increases, how do the sea services (the U.S. Navy, U.S. Marine Corps, the U.S. Coast Guard, Merchant Marine & NOAA) and maritime industry with best collaborate to mitigate the risks of conducting operations in the harsh Arctic region?

- What forum(s) already exist to foster this collaboration? Are they being leveraged? If they don't exist or aren't being leveraged to their fullest extent, what needs to be done to change that?
- Who are all the key U.S. and allied Arctic maritime stakeholders? How do we learn from the past to inform the present and future to promote Arctic safety, security, stewardship, and responsible economic development?
- What considerations/issues are on the horizon 7-10yrs out that we need to start addressing now?

Panelists

- RADM Megan Dean, Commander, U.S. Coast Guard District Seventeen
- Steve White CAPT, USCG (ret), Executive Director, Marine Exchange of Alaska
- Art Dahlin, Vice President and Alaska General Manager, TOTE Marine Alaska
- Mick Bradway, Resource Evaluation Division, Bureau of Ocean Energy Management's (BOEM) Alaska Outer Continental Shelf Region

Panel 6 – Symposium Wrap-Up – RADM Fred Rosa, USCG (Ret). Chair

Focus: This final panel will afford all of the previous panel chairs an opportunity to share their thoughts about the most significant perspectives, insights, challenges, solutions and/or proposals discussed during MRS 2024. Primary topics to be addressed will include:

- Implications not only for the U.S. Tri-Service Maritime Strategy, but overarching domestic and international maritime policy and strategy;
- Approaches to promoting greater collaboration throughout the Global Maritime Community of Interest (GMCOI), particularly with respect to developing enhanced maritime domain awareness and related sharing mechanisms;
- Developing a more focused and nuanced understanding of how and to what extent gray zone activities increase maritime sector risk;
- Optimizing the development and use of AI/ML solutions to counter maritime cyber and other threats, especially those evolving gray zone threats falling below the level of conventional conflict;
- Exploring and assessing the risks emerging in the Arctic region as maritime activities increase, and in turn increase the demand signal for governmental safety and security services; and
- Identifying promising research avenues that would support future initiatives to reduce or eliminate sources of maritime risk highlighted during the symposium.

... June 12th Schedule continued

1100 Briefing by DoD Ted Stevens Center on MRS 2025 – MG Church Key, USAF (Ret).

1130 EVERGREEN 30-minute Overview – Foresight, Past Present Future – Mr Zach Schulman, Esq.

CG HQ DCO-X

1200 MRS 2024 program complete/Lunch on own

1300 Start EVERGREEN – Mr Zach Schulman, Esq. – Grey Zone

1730 EVERGREEN Ends Day 1

1800 MRS 2025 Committee meeting.

Thursday June 13

0800 EVERGREEN – Grey Zone – Mr Zach Schulman, Esq. Chair

1600 Final brief out by Evergreen teams

1730 Completion