

## “Understanding and Managing Risks to the Marine Transportation System (MTS)”

November 13-15 2019

Purpose of Event		
<b>Goal:</b>	One and a half-day program designed to address significant risks to the MTS and approaches to managing those risks, followed by a one-day Evergreen exercise to explore how risk and risk management may play into plausible future operating environment.	
<b>Participants:</b>	Academics, operators and local/state/federal authorities involved in the MTS.	
<b>Hosts:</b>	Maritime College, State University of New York and U.S. Coast Guard Liaison	
<b>Master of Ceremonies:</b>	Dr. Joseph Hoffman	
MRS 2019 Organizers		
<b>Co-Chair:</b>	Captain Eric Johansson Dr. Joe DiRenzo	Committee
		Greg Trauthwein, Marinelink
<b>Vice Chair:</b>	Dr. David Nicol, Director DHS COE University of Illinois	Scott Brotemarkle Nat Academy Sci. TRB
		CDR Mike Plumley USCGA
		Dr. Sam Yahalom Maritime College
		RADM James Watson (USCG Ret.) ABS
		CDR Kate Higgins-Bloom USCG HQ DCO-X
		Captain David Moskoff USMMA
		Dr. Scott Savitz, RAND
		Dr. Henry Willis RAND
		LCDR Sarah Brennan USCG
		Dr. Keith Bradley ARGONNE (DOE)
		Dan Meidenbauer John Hopkins Univ.
		CAPT Todd Bonnar, CN CJOS COE
		<b>Program Chair:</b>
Justine Spencer DHS –S&T Directorate		
CDR Dan Orchard-Hays Nat University		
Mike Edgerton Hudson Trident		
Dr. Jack McCready Cal. Miramar University		
LCDR Kim Young-McLear USCGA		
Dr. Jackie Earle USCG LANTAREA		
RADM Pelkowski (USCG Ret.) Maritime College		
Scott Blough (ex-officio) Tiffin University		
<b>Senior mentors</b>	VADM Rob Parker, USCG (Ret) RADM Fred Rosa, USCG (Ret) RADM John Crowley USCG (Ret.) Dr. Fred Roberts Rutgers University	Poster Judges Dr. David Nicol - Chair

## “Understanding and Managing Risks to the Marine Transportation System (MTS)”

November 13-15 2019

### DAY 1: Wednesday, November 13, 2019

0730 - Luce Library	Registration and Coffee
0830 Maritime Academic Center (MAC)	Welcome and Introduction <ul style="list-style-type: none"> <li>• RADM Michael Alfultis PhD - President Maritime College</li> <li>• Eric Johansson - Professor Marine Transportation</li> </ul>
0845 MAC	<b>Keynote Speaker - RADM Buzz Buzby, MARAD Administrator</b> “State of the Maritime Transportation System (MTS)”
0915	Panel 1: Navigation Risk to the MTS (Human Aspects) Facilitator (Captain David Moskoﬀ - USMMA)
	Captain Scott Craig – Crowley
	James Scalli - Shell
	Captain Morgan Turrell - NTSB
1015	Networking Break
1045	Panel 2: Navigation Risk to the MTS (Technology) Facilitator: Scott Brotemarkle, National Academies of Science
	Precision Navigation CAPT Elizabeth Kretovic - NOAA
	Autonomous Vessels and Risk - Classification Society Perspective RADM James Watson (USCG Ret.) – American Bureau of Shipping,
	Navigation Technology and Human Factors - Augmented Reality Applications Dr. Martha Grabowski – Le Moyne College/Rensselaer Polytechnic Institute
	Navigation Technology Systems Innovations and Operational Risk Oliver Cadet, President, North America Region Kongsberg Maritime Inc.
1230	Lunch
1330	<b>Keynote Speaker – Honorable Judge John Ingram</b>
1400	Panel 3: Maritime Cyber Risk Facilitator LCDR Sarah Brennan
	Dan Meidenbauer - JHAPL
	Cynthia Hudson – HudsonAnalytix
	John Wolf – Morgan Stanley
	Boriana Farrar – American Steamship Owners P&I Club
1530	Panel 4: Domestic perspective on MTS and Risk Facilitator: RADM Pelkowski (USCG Ret.) Maritime College
	COL Thomas Asbery - USACE
	Buckley McAllister, President McAllister Towing
	Bethann Rooney – Port Authority NY/NJ
	CAPT Tama – COTP Sector New York
1700	<b>End of the Day Wrap-up, John A. Witte Jr.</b> Executive VP Donjon Marine, Past President American Salvage Association (ASA) and International Salvage Union (ISU)
1715	Reception and Poster Session - Dr. David Nicols

## “Understanding and Managing Risks to the Marine Transportation System (MTS)”

November 13-15 2019

### DAY 2: Thursday, November 14, 2019

0730	Continental Breakfast
0830 (MAC)	<b>Keynote Speaker</b> <b>RADM Andrew Tionson</b>
0900	Panel 5: International Perspective on MTS and Risk Facilitator: CAPT Todd Bonnar, CN
	David Zimmermann - President and CEO of Hapag-Lloyd USA
	Jack Taylor - Senior Executive Service Military Sealift Command
	VADM Michael Connor (USN Ret) - President ThayerMahan
	Captain Robert Fay - Senior V.P Maritime Operations International Registries, Inc.
1030	Panel 6: Future Issues of Risk within the MTS Facilitator: Dr. Henry Willis RAND
	Daniel Maffei , FMC Commissioner
	RADL Timme USCG
	Dr. Ty V. Wamsley, USACE
	Jen Pedersen - National Risk Management Center
1200	Lunch
1230	Dr. David Nicol, Director DHS COE University of Illinois 1. Announcement of Panel Winners 2. MRS 2020 overview
1300	<b>Keynote Speaker</b> <b>RADM Alfultis</b> “Educating the Future Maritime Workforce in a Sea of Constant Disruptors and Change”
1330	Panel 7: MRS Wrap-Up Panel “Symposium Highlights & MTS Risk Management Research.” Facilitator: RADM Fred Rosa,, (USCG, Ret.) John Hopkins APL
	RADM Alfultis (Maritime College, State University of NY)
	RADM McDonald (Massachusetts Maritime Academy)
	RADM Buono (United States Merchant Marine Academy)
	RADM Rodriguez (Texas Maritime Academy)
1445	Break
1500	<b>Dr. Don Brutzman</b> , Naval Postgraduate School “Collaborative Web-based Scenario Visualization using SPIDERS3D”
1530	Evergreen Breakout Session 1 (Scenario-Based Planning Exercise) Plausible future operating environments that, as a set, capture future opportunities and threats
1630	Day one Evergreen Wrap up CDR Kate Higgins-Bloom



## “Understanding and Managing Risks to the Marine Transportation System (MTS)”

November 13-15 2019

### DAY 3: Friday, November 15, 2019

0730 MAC Atrium	Breakfast
0800	Evergreen Overview –
0830	Evergreen Group Preliminary Presentations
0900	Evergreen Breakout Session 2 (Reverse Pitch) Strategic Needs
1000	Break
1030	Evergreen Breakout Session 3 Scenario Cross Exercise
1100	Evergreen Group Presentations 1. Alternate Futures 2. Drivers Strategic Needs
1200	Box Lunch
1230	MRS 2020 Planning Meeting