

4th International Maritime Conference Our Sea 2025

Sustainable, Green and Resilient Maritime Industry

Venue: University of Dubrovnik, Akademis Academia Marka Marojice 2B, Dubrovnik

web: www.nasemore.com/conference/

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PROGRAMME OVERVIEW DAY 1 (18 September 2025)

08:00 – 09:00 Registration

09:00 – 09:30 Welcome note and introductory remarks

09:30 – 10:00 Keynote speech Paul S. Szwed

10:00 – 10:30 Keynote speech Leo Tvrde – “EU ETS and its impact in the maritime industry in EU countries”

10:30 – 10:50 Coffee break - Poster session

11:00 – 12:00 Panel session - Topic "The Future of Shipping: Green, Digital, and Resilient"

12:00 – 13:30 Lunch break

13:30 – 15:30 Parallel sessions (Session A and session D)

15:30 – 16:00 Coffee break (Poster session)

16:00 – 17:15 Parallel sessions (Session B and session F)

18:15 Guided sightseeing tour (meeting point – Pile gate – Tourist board)

PROGRAMME OVERVIEW DAY 2 (19 September 2025)

08:30 – 09:00 Registration

09:00 – 09:30 Keynote speech Cassia Galvao

09:30 – 11:30 Parallel sessions (Session C)

11:30 – 12:00 Coffee break (Poster session)

12:00 – 13:00 Parallel sessions (Session E)

13:00 – 14:00 Lunch break

17:00-18:00* Karaka boat tour*

***Meeting point: 16:30 Student dorm reception (bus transfer)**

16:45 The port of Gruž, Dubrovnik

18:00 Visit to the Aquarium (optional, free entrance)

19:00 Gala dinner – Sponza palace

00:00 – Ploče gate - Bus transfer to Student dorm

Conference Programme

Each presentation is limited to 15 minutes

Session Duration	Theme	Paper Title	Authors	Notes
A	90 min (1h30)	Artificial Intelligence, Digitalization, and Smart Maritime Systems	Cloud Services and Maritime Cybersecurity in the Baltic Sea Region	Daisy Romanini, Esther Rodriguez, Dimitrios Dalaklis, Fabio Pinelli, Marinella Petrocchi
		Session chairs: prof. dr. sc. Goran Vukelić doc. dr. sc. Miho Klaić	A Smart Ship Collision Avoidance Framework Using AI	Prasheet Mishra, Vik Patra, Saswat Ranjan Barik, Pritam Pattanaik
			A Systematic Review of Artificial Intelligence Applications in Port Management and Operations	Adriana L. Fernandes, Valéria M. Pequeno, Pedro D.D. Teodoro, Manuela Batista
			The Analysis of the Application of Digitalization and the "Smart Port" System in Marinas in the Republic of Croatia	Alen Jugović, Nika Mandarić, Juraj Bukša, Marko Paliaga
			OPTIMISM – Online Programme for Training on International Management of ISM Code	Heikki Koivisto, Reza Ziarati, German De Melo Rodriguez, Janusz Uriasz, Lakhvir Singh, Amireshan Barzegarsedigh, Vanessa Makar, Aris Chronopoulos
			Integration Model of Autonomous Underwater Vehicles and Unmanned Aerial Vehicles for Combating IUU Fishing	Tomislav Sunko, Mihael Dedo, Lovro Strnad, Vilim Đura
B	75 min (1h15)	Decarbonization and Green Transitions in Shipping	Decarbonization of Estonian Ferry Lines – Challenges and Opportunities	Riina Otsason, Tomi Thomasson, Jarkko Rahikainen, Ulla Tapaninen

Session Duration	Theme	Paper Title	Authors	Notes
	Session chairs:	Battery Retrofit in a DP2 Offshore Vessel: A Case Study on Emissions Reduction and EU MRV Compliance	Sergio Ribeiro E Silva, Luis Filipe Baptista, Ana Isabel Anjos Silva, Luis Alfonso Díaz Secades	
	prof. dr. sc. Luka Vukić dr. sc. Dinka Lale	The Decarbonization of Seaports: An Economic Overview of Selected Measures	Marina Zanne, Milutin Lakićević, Giuseppe Borruso, Francesca Sinatra	
		Methanol and Ammonia as Alternative Fuels for Icebreaking Operations in the Northern Baltic Sea	Roomet Leiger, Pentti Kujala, Kristine Carjova, Alexander Staritsyn, Samuli Hanninen, Ulla Pirita Tapaninen	
		Retrofitting Options for Existing Ships: A Case Study on Sulphur Abatement Technologies	Luís Filipe Baptista, Sérgio Ribeiro E Silva, Juliana Almeida, Luis Alfonso Díaz-Secades, Sandrina Pereira	
C	120 min (2h)	Human Factors, Education, and Diversity at Sea	“Seafarers”: Struggles and Unpleasant Experiences of Gay Seafarers; Transforming Learned Helplessness to Learned Optimism	Roland John Cyril Emague, Elsie Gancia
	prof. dr. sc. Vlado Frančić Tonći Biočić, mag. ing. nav. traff.	From Classrooms to Global Connections: The Impact of Extra-Curricular Activities on Global Maritime Competency Building	Iryna Shvetsova	
		Enhancing Young Deck Officers Performance through Simulator Training	Vinko Pavić, Ivan Mišlov, Mate Barić, Nina Kostović	
		Adjusting the Master of Maritime Management Programmes to the Upcoming Era of Autonomous Vessels in Finland	Peter Ivar Sandell	
		Multilingualism in Seafaring	Lia Dragojević	

Session Duration	Theme	Paper Title	Authors	Notes
		International Safety Management Code in Maritime Education and Training	Vlado Frančić, Marko Strabić, Nermin Hasanspahić, Lovro Maglić	
		Impact of Previous Vessel Type Experience on Navigational Behaviour	Igor Petrović, Srđan Vujičić, Ivana Čavor	
		Situational Awareness Among Seafarers in Conditions of Information Overload on the Navigational Bridge	Lea Vojković, Ana Kuzmanić Skelin, Irena Čovo Baučić, Josipa Vujević	
D	90 min (1h30)	Perspectives on AI, Logistics and Maritime Governance	Maritime Finance Adaption (MAR FIN ADAPT): A Blended Finance Approach to Maritime Climate Resilience and Sustainability	Online
		prof. dr. sc. Špiro Ivošević doc. dr. sc. Miho Kristić	Charting New Waters: Exploring Legal and Policy Gaps in Maritime Welfare and Seafarers' Rights	Online
			Implementation of Artificial Intelligence in Railway Transport and Its Effect on Port Efficiency	Online
			Effect of Introducing Artificial Intelligence in Logistic Systems and Processes	Online
			Port Infrastructure as a Determinant of Cargo Handling Efficiency and Demurrage Risk	Online
			Transformation of Maritime Logistics and Supply Chains in Modern Geopolitical Challenges (Strategic Role of Georgia)	Online

Session Duration	Theme	Paper Title	Authors	Notes	
E	60 min (1h00)	Maritime Logistics, Infrastructure, and Geopolitical Shifts	Influence of County Port Authorities on Maritime Passenger Traffic in the Republic of Croatia	Alen Jugović, Renato Oblak, Federica Gulja, Marin Donadić	
		doc. dr. sc. Nermin Hasanspahić	Impact of Black Charter on Nautical Tourism in the Republic of Croatia	Alen Jugović, Renato Oblak, Dea Aksentijević, Dorian Mičetić	
		doc. dr. sc. Miho Kristić	Sailing into the Gap: Exploring Branding in Industrial Clusters and the Missing Maritime Link	Seçil Gülmez	
			Comparative Analysis of Bulk Carriers Port State Control Inspections	Tonći Biočić, Nermin Hasanspahić, Miho Kristić, Srđan Vujičić	
F	75 min (1h15)	Technological Innovations in Maritime Engineering and Maintenance	Analysis of the CMMS Database	Tatjana Stanivuk, Duje Bratim, Ivan Karin, Ladislav Stazić	
		doc. dr. sc. Ladislav Stazić	Advancing Firefighting Training by CFD and VR in MET	Goran Vukelić, Darko Glujić, Goran Vizentin	
		prof. dr. sc. Mate Jurjević	Advanced Manufacturing Methods in the Shipbuilding Industry	Radosław Kiciński, Tomasz Pawlak	
			Evaluating Recycling Potential of Zinc in the Montenegrin Maritime Sector	Ivana Baćović, Miroslav Vukičević, Špiro Ivošević	
			Fuel Gas Supply System of the ME-GI Two-Stroke Slow-Speed Diesel Engine	Joško Dvornik, Srđan Dvornik	

Poster session

Paper Title	Authors	Notes
Analysis of Navtex Signal Reception in the Northern Adriatic Area	Sanjin Valčić, Antonio Škrobonja, Srđan Žuškin, David Brčić	
Sustainable maritime transport - past, present and future	Dinka Lale, Josipa Vragolov, Romana Capor Hrošik, Anamarija Falkoni	
Human and Organizational Contributors To Enclosed Space Entry Fatalities: a Case Study from a Crude Oil Tanker	Ivan Krivokapić, Nermin Hasanspahić	
Zero-emission Shipping Mission: the Potential Use of Nuclear Power	Luka Vukić	
The Rebound of the Cruise Activity and Its Multi-Impacts	Cassia Galvao	
Macroscopic Modelling Approaches for Evaluating the Effects of Highway Infrastructure Development on the Spatial Configuration of Maritime Port Hinterlands	Aura Rusca, Eugen Rosca, Denis Codroiu, Petru Prescornitoiu, Florin Rusca	
Port, Terminal or Waterway Detailed Design Using Model Wizard	Mate Barić, Luka Grbić, Vinko Pavić, Ivan Mišlov	
The Impact of a Navigator's Temperament on Maritime Transportation Safety: An Empirical Study Using Full-Mission Bridge Simulator	Pawel Kolakowski, Mateusz Gil, Magdalena Wit-Wesolowska, Krzysztof Wrobel	

Paper Title	Authors	Notes
Analysis of Technical Aspects of Offshore Wind Farm Installation in the Adriatic Sea	Marta Alvir, Martina Ivić, Zvonimir Mrle, Matej Mališa, Ivana Lučin, Stefan Ivić	
A Few Notes on the Impact of Irregular Waves on Ship Collision Avoidance and Evasive Maneuver Planning	Mateusz Gil, Przemysław Krata, Jakub Montewka	
Financial Performance of Fishing Cooperatives in the Republic of Croatia	Josip Gugić, Katarina Bozanic Svilicic	
Challenges of Regulating the Unmanned Vessels	Kristin Kerem, Deniece Aiken, Kristin Carjova	
The Analysis of the Trends in the Port-City Interface	Eric Mičetić, Alen Jugović, Dea Aksentijević	
Safety Aspects of Hydrogen Fuel in Maritime Transport	Gea Mišćević, Frano Barbir, Saša Aksentijević, Edvard Tijan	
Hydrogen as a Maritime Transport Fuel - Legal Framework	Gea Mišćević, Biserka Rukavina, Edvard Tijan	
Traffic Control Efficiency in the City of Rijeka	Siniša Vilke, Borna Debelić, Livia Maglić, Davor Mance	
The Analysis and Importance of Security for the Development of Tourist Traffic in Coastal Destinations - Case Study Primorje-Gorski Kotar County	Alen Jugović, Tanja Poletan Jugović, Irena Peršić Živadinov, Goran Gašpert	
An Analysis of ECDIS Display Modes Usage at Sea and its Implications Towards Navigation Safety: Insights From a Survey	Maro Car, David Brčić, Nermin Hasanspahić	
Port Ballast Water Management Options Under Newly Effective Regulations	Leo Čampara, Lovro Maglić, Žarko Koboević, Antonija Mišura	
Application of IoT Technology for Real-Time Performance Monitoring of Shipboard PV Systems	Tahir Mavrić, Martin Čalasan, Ilija Knežević, Nemanja Pudar, Tatijana Dlabac	

Paper Title	Authors	Notes
Risk Management in Maritime Educational Institutions, Challenges and Restrictions	Tatijana Dlabač, Igor Petrović, Jelena Nikčević, Vera Kapetanović, Maja Krčum	
Towards Sustainable Port Operations: A Case Study of the Port of Bar	Milutin Lakićević, Aleksandar Niković	
Digitalization of Maritime Logistics: A New Management Methodology in the Age of Automation	Petra Jakulica	