



Welcome to the  
International Conference  
on Maritime Transport and  
Logistics Trends

# MariLog Trends 2025



**29-30 MAY**

Constanta  
Maritime University

*Explore Emerging Innovations  
Shape the Future Directions  
of the Maritime Sector.*



conference schedule

# Program

International Conference on Maritime Transport and Logistics Trends MariLog 2025

## 29 May 2025

**9:00 - 10:00**

**10:00 - 10:50**

**10:50 - 11:10**

**11:10 - 13:00**  
**Parallel sessions**

**13:00 - 14:00**

**14:00 - 16:00**  
**Parallel sessions**

**Registration**

**Opening Keynote Address**  
**Room: CMU NB A201**

**Coffee break**

**Session 1 - Plenary presentations**  
Maritime Transport and Logistics  
Trends  
Room: CMU NB A203

**Session 2 - Workshop**  
Quantum leap: Emerging  
technologies transforming maritime  
safety  
Room: CMU NB A204

**Session 3 - Online presentations**  
Maritime Transport and Logistics  
Trends

**Networking Lunch**  
**Terrace by the lake**

**Session 4 - RoundTable - Chatham  
House Rules**  
Maritime policy and world strategic  
alliances  
Room: CMU NB Main Hall

**Session 5 - Round Table**  
Green Ports for Sustainable Maritime  
Future in collaboration with  
Romanian Branch of Nautical  
Institute  
Room: CMU NB A203

# Program

International Conference on Maritime Transport and Logistics Trends MariLog 2025

## 30 May 2025

**9:00 - 10:00**

**10:00 - 10:40**

**10:40 - 10:45**

**10:45 - 12:30  
Parallel sessions**

**12:30 - 13:30**

**13:30 - 14:30**

**Registration**

**Opening Plenary Speeches**  
Room: CMU NB A201

**Coffee break**

**Session 1 - Workshop**  
Skills and Competencies for Future  
Careers in Maritime Transport  
Room: CMU NB A203

**Session 2 - Poster Presentation**  
Global Trends in Maritime Industry  
Room: CMU NB 2nd Floor

**Session 3 - Panel discussions**  
Advancing connectivity through  
logistics  
Room: CMU NB A201

**Networking Lunch**  
**Terrace by the lake**

**Session 4 - Conference Summary**  
Room: CMU NB A201

**Session 5 - Closing Ceremony**  
Room: CMU NB A201



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# Detailed Program

International Conference on Maritime Transport and Logistics Trends MariLog 2025

## Constanta Maritime University

Nautical Base

Constanta, 29-30 May 2025

Day 1. 29 May 2025

### Registration, Build A, 2<sup>nd</sup> Floor

PLENARY PRESENTATIONS Thursday, 29 May 2025   Room A201 10.00 – 10.50	
10.00 – 10.10	<b>Welcome message,</b> <i>Gabriel Raicu, Conference Chair, Rector of Constanta Maritime University</i>
10.10 – 10.25	<b>A Pedagogical Evolution in Approach to Mariner Certification Level Advancement,</b> <i>John Tucker, Coordinator of Programs and Instructor, School of Maritime Studies, Marine Institute, Memorial University of Newfoundland</i>
10.25 – 10.40	<b>Building Bridges between Maritime Academic Communities in Europe,</b> <i>Laurențiu Chiotoroiu, Professor, Jade University of Applied Sciences, Germany</i>
10.40 – 10 50	<b>Keynote Address,</b> <i>Yusuke Mori, Deputy Executive Director, International Association of Maritime Universities</i>

### Coffee break, Build A, 2<sup>nd</sup> Floor

PARALLEL SESSIONS – SUMMARY Thursday, 29 May 2025 11.10 – 13.00		
Session 1 Room A203	Session 2 Room A204	Session 3 Room Link
<b>Oral presentations</b> Maritime Transport and Logistics Trends	<b>Workshop</b> Quantum leap: Emerging technologies transforming maritime safety	<b>Online presentations</b> Maritime Transport and Logistics Trends
Moderator: Laurențiu Chiotoroiu	Moderator: Mircea Zus	Moderator: Cristina Dragomir

## Day 1/ Session 1. Maritime Transport and Logistics Trends

Moderator: Laurențiu Chiotoroiu

ORAL PRESENTATIONS Thursday, 29 May 2025   Room A203 11.10 – 13.00		
1	11.10 – 11.22	<b>A Potential Analysis Framework on the Hybrid Threats Response Management,</b> <i>Anastasia Elena Duse, Daniel Daneci-Patrau</i>
2	11.22 – 11.34	<b>Readiness of Maritime Autonomous Ships: Benefits and Policy Challenges,</b> <i>Gheorghe Surugiu, Nicoleta Acomi, Gabriel Raicu, Costel Stanca, Anastasia Duse</i>
3	11.34 – 11.46	<b>Enhancing Marine Diesel Engine Diagnostics: Parametric Methods in Real-Time Mode,</b> <i>Roman Varbanets, Dmytro Minchev, Yury Kucherenko, Vitaly Zalozh, Nadiia Aleksandrovska</i>
4	11.46 – 11 58	<b>Environmental impact of an intermodal transport network using external factors,</b> <i>Viorela-Georgiana Stinga, Nicoleta Acomi, Cristian Scurtu</i>
5	11.58 – 12.10	<b>A comparative analysis between Romanian, American and British standards for offshore structures,</b> <i>Radu George Joavină, Anastasia Duse</i>
6	12.10 – 12.22	<b>Public Concern and Awareness of Societal Sustainability Goals,</b> <i>Felicia Surugiu, Ioana Surugiu, Ana Olteanu, Dragomir Cristina, Gheorghe Surugiu</i>
7	12.22 – 12 34	<b>Methanol-fuelled ships: Pathway to maritime sustainability,</b> <i>Alina Lucia Bostina</i>
8	12.34 – 12 46	<b>Environmental Impacts and Challenges of Maritime Chemical Pollution in Europe,</b> <i>Alev Burmambet</i>

9	12.46 – 13.00	<b>Identifying deck crew behaviour using IoT systems and intelligent methods. Preliminary study,</b> <i>Mihaela Hnatiuc, Nicoleta Acomi</i>
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## Day 1/ Session 2. Quantum leap: Emerging technologies transforming maritime safety

Moderator: Mircea Zus

WORKSHOP Thursday, 29 May 2025   Room A204 11.10 – 13.00		
		<b>After 100 years: quantum mechanics physics and philosophy,</b> <i>Dr. Maria TITEICA</i>
		<b>Quantum Technologies from a Computer Scientist perspective,</b> <i>Dr. Pantelimon George POPESCU, National University of Science and Technology POLITEHNICA Bucharest</i>
		<b>Exposing Quantum Mechanics: Principles behind the Magic,</b> <i>Andreea CROITORU, University of Bucharest</i>
		<b>Quantum Information: Leap from Theory to Technologies,</b> <i>Drd. Alina STOICA, Dr. Tatiana MIHAESCU, Dr. Aurelian ISAR, Horia Hulubei National Institute for R&amp;D in Physics and Nuclear Engineering</i>
		<b>RoNaQCI - QKD Case Study,</b> <i>Dr. Gabriel RAICU, Dr. Sorin SINTEA, Dr. Noel-Mircea ZUS, Constanta Maritime University</i>

## Day 1/ Session 3. Maritime Transport and Logistics Trends

Moderator: Cristina Dragomir

ONLINE PRESENTATIONS Thursday, 29 May 2025   Link 11.10 – 13.00		
1	11.10 – 11.22	<b>Education, training and career development,</b> <i>Joana Lapa</i>

# Detailed Program

International Conference on Maritime Transport and Logistics Trends MariLog 2025

2	11.22 – 11.34	<b>An assessment of a Black Sea voyage with WASP turbo-sails,</b> <i>Novac Iordan, Valerian Novac, Eugen Rusu, Nicolae Buzbuchi</i>
3	11.34 – 11.46	<b>Strategic Market Expansion and Risk Management for Emerging NVOCCs in the Global Logistics Industry,</b> <i>Fan-Hsuan Chao</i>
4	11.46 – 11 58	<b>Variable Compression Ratio System for Marine Two Stroke Engines,</b> <i>Liviu-Constantin Stan, Leonard-Daniel Costea</i>
5	11.58 – 12.10	<b>EcoCleanFuel: A Sustainable Approach to Oil Spill Clean-up and Biodiesel Production in Navigable Waterways, with a Focus on the Danube River,</b> <i>Razvan Bogdan Itu, Alexandra Soica, Bogdan Ioan Marc</i>
6	12.10 – 12.22	<b>Analysis of the Electrical System on a Hybrid River Vessel,</b> <i>George-Andrei Marin, Marian Gaiceanu</i>
7	12.22 – 12 34	<b>Digital transformation in maritime logistics: a SWOT analysis of Constanta port's ICT innovations toward 2025,</b> <i>Minodora Badea, Olga Bucovetchi, Adrian V. Gheorghe, Gabriel Raicu</i>
8	12.34 – 12 46	<b>Safety-oriented approach to shipping development based on quality management of technical operations of a vessel,</b> <i>Olena Sienko, Maryna Chesnokova, Sergey Karianskiy</i>
9	12.46 – 12.58	<b>Building a Safer Port Environment: Assessing How Safety Culture and Leadership Shape Accident Preventive Behavior,</b> <i>Alex Boateng, Njumo Atehnjia, Dacosta Essel</i>
10	12.58 – 13.10	<b>Nectaria-Alexandra Toma,</b> <i>Implementation of sustainable solutions in the Port of Constanta</i>

## Networking Lunch, Terrace by the lake

PARALLEL SESSIONS – SUMMARY Thursday, 29 May 2025 14.00 – 16.00	
Session 4 Room Main Hall	Session 5 Room A203
<b>RoundTable</b> Maritime policy and world strategic Alliances (Chatham House Rules)	<b>Round Table</b> Green Ports for Sustainable Maritime Future in collaboration with Romanian Branch of Nautical Institute
Moderator: Niculae Iancu	Moderators: Costel Stanca and Ionut Rusu

## Day 1/ Session 4. Maritime policy and world strategic alliances

Moderator: Niculae Iancu

ROUNDTABLE CHATHAM HOUSE RULES Thursday, 29 May 2025   Room Main Hall 14.00 – 16.00
<p><b>With participation of special guests,</b> <i>Marius Stefan Vintila, Manager, Hidroelectrica</i> <i>Sorin-Radu Frecea, Technical Director, ACROPO</i> <i>Georgiana Alexe, Wind Power Energy</i> <i>Paul Burlacu, Vice-Rector of scientific Research, ANMB</i> <i>Yusuke Mori, Deputy Executive Director, IAMU</i> <i>Gabriel Raicu, Rector of CMU</i> <i>Remus Zagan, President of Senate of CMU</i> <i>Radu Hanzu, Vice-Rector of CMU</i> <i>Vasile V. Draghici, Expert MARCYSCOE</i></p> <p><b>SCOPE:</b> an open and informal setting for exchanging views on current and emerging maritime policy challenges in the context of shifting global alliances, security dynamics, trade routes, and sustainability objectives. <i>Participants are encouraged to join and to reflect on regional cooperation, strategic maritime corridors, and the evolving role of maritime nations in a multipolar world.</i></p>



## Day 1/ Session 5. Green Ports for Sustainable Maritime Future

Moderators: Costel Stanca and Ionut Rusu

### ROUNDTABLE

Thursday, 29 May 2025 | Room A203

14.00 – 16.00

#### **Plenary presentation: Trends in the Maritime Sector towards Full Decarbonisation,**

*Laurențiu Chiotoroiu, Professor, Jade University of Applied Sciences, Germany.*

#### **RoundTable**

##### **With participation of special guests from:**

Local authorities

Members of Nautical Institute

Teachers and instructors

**SCOPE:** *to explore the role of ports in advancing environmental sustainability within the maritime sector. Discussions will focus on decarbonisation strategies, innovation in port infrastructure and operations, energy transition, regulatory developments, and the importance of stakeholder collaboration to achieve greener and more resilient port ecosystems.*

# Detailed Program

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## Constanta Maritime University

Nautical Base

Constanta, 29-30 May 2025

Day 2. 30 May 2025

### Registration, Build A, 2<sup>nd</sup> Floor

PLENARY PRESENTATIONS Thursday, 30 May 2025   Room A201 10.00 – 10.40	
10.00 – 10.05	<b>Welcome message,</b> <i>Assoc Prof Dr Gabriel Raicu, Conference Chair, Constanta Maritime University</i>
10.05 – 10.20	<b>Sustainable Logistics through Digital Transformation,</b> <i>Iuliana Badea, General secretary of the Freight Forwarders Association of Romania (USER)</i>
10.20 – 10.35	<b>Shaping the Future of Global Maritime Transport and Logistics,</b> <i>Emilian Stere, General Manager, CMA CGM Romania</i>

### Coffee break, Build A, 2<sup>nd</sup> Floor

PARALLEL SESSIONS – SUMMARY Thursday, 30 May 2025 10.45 – 12.30		
Session 1 Room A203	Session 2 Main Hall -2nd floor	Session 3 Room A201
<b>Workshop</b> Skills and Competencies for Future Careers in Maritime Transport	<b>Poster Presentation</b> Global Trends in Maritime Industry Room: Main Hall 2nd Floor	<b>Panel discussions</b> Advancing connectivity through logistics
Moderator: Costel Stanca	Moderator: Nicoleta Acomi	Moderator: Ghiorghe Batrincea

## Day 2/ Session 1. Skills and Competencies for Future Careers in Maritime Transport

Moderator: Costel Stanca

WORKSHOP Thursday, 30 May 2025   Room A203 10.45 – 12.30	
<p><b>With participation of our guests:</b> <i>Industry professionals, Crewing representatives, Academic staff</i></p> <p><b>SCOPE:</b> to explore the evolving skill sets required for seafarers and maritime professionals in the context of digitalisation, automation, environmental regulations, and changing operational demands. Discussions focus on aligning training and education with real-world expectations, future workforce needs, and strategies for enhancing employability and career development.</p>	

## Day 2/ Session 2. Session 2 - Poster Presentation Global Trends in Maritime Industry

Moderator: Nicoleta Acomi

POSTER PRESENTATIONS Thursday, 30 May 2025   Room Main Hall 2nd Floor 10.45 – 12.30	
1	<p><b>How nautical astronomy might ensure salah performing for Muslim seafarers,</b> <i>Alina Buslă, Feiza Memet</i></p>
2	<p><b>Experimental research on the determination and visualization of an oil film on the water surface,</b> <i>Ionut Voicu, Mariana Panaitescu, Fanel-Viorel Panaitescu, Florentina-Aurelia Vasilica</i></p>
3	<p><b>Leveraging Quantum Technologies in the Transport Business Market: A Strategic Literature Review,</b> <i>Cristina Dragomir, Liliana Popa</i></p>
4	<p><b>Digital transformation and automation in Constanta port: status and prospects,</b> <i>Minodora Badea, Olga Bucovetchi, Adrian V. Gheorghe, Gabriel Raicu</i></p>

5	<b>Comparative laboratory-simulator analysis of oil product film spreading,</b> <i>Ionut Voicu, Mariana Panaitescu, Fanel-Viorel Panaitescu, Andrei-Alexandru Scupi</i>
6	<b>Review of Artificial Intelligence Technologies in Supply Chain Management,</b> <i>Cristina Dragomir, Surugiu Felicia</i>
7	<b>Energy Efficiency in Container Terminals: A Detailed Analysis,</b> <i>Minodora Badea, Elena Nedelcu</i>
8	<b>A Bayesian approach to evaluating environmental risks from maritime accidents,</b> <i>Nicoleta Acomi, Gheorghe Surugiu, Costel Stanca, Eliza -Maria Popa</i>
9	<b>Fuzzy TOPSIS Analysis of European Container Terminals in the Black Sea Basin: A PRISMA Systematic Review,</b> <i>Minodora Badea, Vlad-Augustin Vulcu</i>

## Day 2/ Session 3. Advancing connectivity through logistics

Moderator: Ghiorghe Batrinca

PANEL OF EXPERTS Thursday, 30 May 2025   Room A201 10.45 – 12.30	
<p><b>With participation of special guests:</b>  <i>Emilian Stere, Managing Director CMA-CGM</i>  <i>Iuliana Badea, General secretary of USER</i>  <i>Ana Maria Negru , Country Manager, Air Cargo &amp; Logistics Expert</i>  <i>Gheorghe Surugiu, Captain &amp; Senior Lecturer, CMU</i>  <i>Claudia Niculae, Sea Container Shipping &amp; Logistics</i>  <i>Daniel Mărgărit, Trainer</i>  <i>Ana Maria Soroiu, Business Development Manager at Europrim Group</i>  <i>Sorin Creața, IATA Dangerous Goods Regulations (DGR) Instructor</i></p> <p><b>SCOPE:</b> explore how modern logistics systems create global and regional connectivity, enabling the movement of goods, people, and information. Industry representatives, educators, and students engage in discussions on innovation in supply chains, the role of ports and transport corridors, and how digital tools, sustainability goals, and career pathways are reshaping the future of logistics.</p>	



# Detailed Program

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**Networking Lunch, Terrace by the lake**

**Build A, 2<sup>nd</sup> Floor, Room: A201**

**Day 2/ Session 4. Conference Summary**

**Assoc Prof Dr Gabriel Raicu, Conference Chair, Rector of Constanta  
Maritime University**

**Day 2/ Session 5. Closing Ceremony**