

WATERBORNE TRANSPORT

30th International Scientific Conference
**TRANSPORT
MEANS
2026**



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Session 7

Klaipėda University, Klaipėda, Bijūnų Str. 17, room 235

9 October 2026, 9.00 – 14.30

Chairman – **V. Paulauskas**

Co-Chairman – **B. Plačienė**

9.00 – 14.30	Session
11.30 – 12.00	Coffee Break
14.30 – 15.00	Coffee Break
15.00 – 17.00	A tour of the Port of Klaipėda aboard the “Kamita”

A Gap Analysis of IMO Policy and Other Regulatory Requirements for Alternative Fuels

I. Kurjanovičs, K. Carjova, P. Kujala, Estonian Maritime Academy of Tallinn University of Technology (Estonia)

Integrated Degradation Pathways in Small Unmanned Surface Vessels

M. Vorobjovs, Estonian Maritime Academy of Tallinn University of Technology (Estonia), VICTEC Ltd., Research and Development Department (Latvia), **K. Carjova, P. Kujala**, Estonian Maritime Academy of Tallinn University of Technology (Estonia)

Mass Remote Operator Competence and Baltic Maritime Training Centres: A Public-Source Status-Quo Review

M. Kuzmics, M. Vorobjovs, Estonian Maritime Academy of Tallinn University of Technology (Estonia)

Trends in Ship Design and Power Affecting Baltic Sea Winter Navigation

I. Perälä, VTT Technical Research Centre of Finland (Finland), **K. Carjova**, Estonian Maritime Academy of Tallinn University of Technology (Estonia), **M. Ranta**, VTT Technical Research Centre of Finland (Finland), **U. Tapaninen**, Estonian Maritime Academy of Tallinn University of Technology (Estonia)

Recalibrating the Finnish–Swedish Ice Class Rules for Safety, Efficiency and Climate Governance in Baltic Winter Navigation

K. Carjova, D.M. Aiken, Estonian Maritime Academy of Tallinn University of Technology (Estonia), **I. Perälä**, VTT Technical Research Centre of Finland (Finland)

Analysis of Green and Blue Port Functions for the Purpose of the SeaTech System Development

P. Lipka, Gdynia Maritime University, **R. Koba**, Gdynia Maritime University (Poland), **V. Paulauskas**, **B. Plačienė**, Klaipėda University (Lithuania), **A. Chybicki**, Gdańsk University of Technology (Poland), **M. Kovacevic**, SUBMARINER Network for Blue Growth EEIG (Germany)

Managerial Interventions and Practices for Enhancing the Technological Resilience of Critical Port Infrastructure

E. Valionienė, **B. Plačienė**, Klaipėda University (Lithuania)

Green Shipping: Evaluation of Emissions and Natural Capture Potential at the Klaipėda Cruise Ship Terminal

A. Malakauskaitė, Klaipėda University (Lithuania)

Assessment of Port-Related Parameters Affecting Ship Manoeuvring Difficulty in Port Areas

A. Markauskas, Klaipėda University (Lithuania)

Hydrodynamic Analysis of a Catamaran Unmanned Surface Vessel and Optimisation of Multibeam Echo Sounder Integration for Hydroacoustic Surveys

J. Parnarauskas, **M. Česnauskis**, Klaipėda University (Lithuania)

Assessment of Fuel Consumption and Emissions at the Cargo Terminals of the Port of Klaipėda

D. Montsvilienė, **P. Pilibavičius**, **O. Coj**, **A. Čurovas**, **R. Kublinskas**, Klaipėda University (Lithuania)

Digital Twin-Enhanced Augmented Reality Framework for Intelligent Maritime Navigation and Infrastructure Interaction

V. Dubra, **Ar. Holovan**, Lithuanian Maritime Academy, VILNIUS TECH (Lithuania)

A Relative Technical Energy-Saving Potential-Based Framework for Prioritizing Energy-Efficiency Measures on Merchant Ships

I. Honcharuk, Odesa National Maritime University (Ukraine) [online]

Experimental Validation Framework for UAV/UUV-Based Monitoring of Port and Offshore Infrastructure

A. Holovan, Odesa National Maritime University (Ukraine) [online]

Trajectory Optimization Techniques for Smart and Energy-Efficient Maritime Navigation: A Comparative Analysis

Y. Kalinichenko, **O. Sagaydak**, **N. Dolynska**, **V. Lesnevskiy**, Odesa National Maritime University (Ukraine) [online]

Synthesis of the Heat Recovery Circuit Structure for a Floating Power Plant with 25MW Gas Turbine Generators

S. Serbin, **O. Cherednichenko**, **B. Lychko**, **N. Korobyeynikova**, Admiral Makarov National University of Shipbuilding (Ukraine) [online]

Cybersecurity Training for Future Seafarers: Course Development and Results

D. Heering, **K. Carjova**, **M. Kirikal**, Estonian Maritime Academy of Tallinn University of Technology (Estonia) [online]

How to Streamline Port Turnaround Time by Optimizing Written Communication Process between Parties Involved in the Shipping Trade

M. Chesnokova, Nikola Vaptsarov Naval Academy (Bulgaria), **V. Olinchuk**, National University “Odessa Maritime Academy” (Ukraine) [online]

Energy Efficiency and Emission Alteration of Using Biodiesel Blends in Marine Diesel Engines

A.V. Paldauskas, **G. Bureika**, VILNIUS TECH (Lithuania)

Assessment of Fuel Consumption and Emissions at the Klaipėdos Smeltė Container Terminal Based on Simulator Experiments

D. Fedorenko, Klaipėda University (Lithuania) [online]