

WATERBORNE TRANSPORT

29th International Scientific Conference
**TRANSPORT
MEANS
2025**

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Session 4

Victoria Hotel Klaipėda Conference Center, Hall C. E. Krahmer
2 October 2025, 9.00 – 15.30
Chairman – Prof. **V. Paulauskas**Co-Chairman – Dr. **B. Plačienė**

9.00 – 15.30	Session (Hall C. E. Krahmer, 1 th floor)
10.40 – 11.00	Poster session (Conference Center lobby, 5 th floor)
10.40 – 11.00	Coffee Break (Conference Center lobby, 5 th floor)
12.30 – 13.30	Lunch (Hotel Restaurant)
from 15.00	Coffee Break (Conference Center lobby, 5 th floor)
15.45 – 18.00	Boat Trip in Klaipėda Port (we will leave from the hotel lobby at 15.45) We ask the participants to be prepared with warm clothing and rain protection as excursion will take place outdoors!

Integrating Shipborne Pollution and Gravimetric Data into Latvia's Maritime Spatial Planning Framework

I. Demjanenko, Riga Technical University, Latvian Maritime Academy (Latvia), **J. Kaminskis**, Riga Technical University (Latvia), **L. Neimane**, University of Bergen (Norway), University of Latvia (Latvia), **L. Šujakova**, **D. Sīka**, Riga Technical University (Latvia), **J. A. Beller**, Riga Technical University (Latvia), University of Bergen (Norway)

Interaction Between the Green Port Concept and Sustainable Development

E. Valioniene, **B. Plačienė**, **A. Žukauskaitė**, Klaipėda University (Lithuania)

A Comparative Analysis of Marine Diesel Engines' Thermal Load When Converting Their Operation to Renewable and Low-Carbon Fuels at Different Engine Load Characteristic Cycle Modes acc ISO 8178

S. Lebedevas, **E. Milašius**, Klaipėda University (Lithuania)

Research on Agricultural Cargo Flows at a Specialized Seaport Terminal

L. Sakalis, A. Kartoškin, A. Kontrimas, Klaipeda University (Lithuania)

Study of Nitrogen Oxides Dispersion from a Sailing PANAMAX Container Ship in Klaipėda Port Using the Lagrangian Dispersion Model

L. Šaparnis, P. Rapalis, Klaipeda University (Lithuania)

Impact of Port Shallowness on PANAMAX Container Ship's Squat

A. Jachontovas, Klaipeda University (Lithuania)

A Data-Driven Approach to Evaluating Atmospheric Emissions from “Klaipėdos Smeltė” Container Terminal Operations Based on Fuel and Electricity Consumption

A. Daunoras, Ž. Vainoras, Klaipeda University (Lithuania)

Reduction of CO2 Emission from Container Ship Through Application of IMO Decarbonisation Technologies

D. Marozas, Klaipeda University (Lithuania)

Advancing Green Shipping: Emission Reduction Strategies and Sustainable Technologies in Maritime Transport

M.B. Egboye, Klaipeda University (Lithuania)

Green and Digital Port Development in the Maritime Industry

O. Mirzayev, Klaipeda University (Lithuania)

Floating Power Plants Based on Energy-Efficient Technologies as Sources of Energy Supply in Port Waters

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

Digitalization in Navigation

M. Dorofieiev, Y. Mykhailiuk, R. Kushnir, D. Astaykin, National University “Odessa Maritime Academy” (Ukraine) [online]

An Overview of Maritime Waste Heat Recovery Systems in the Context of Energy Transition and Environmental Sustainability

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

A Review of Digital Twin Applications for Optimizing Maritime Maintenance

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

Chemical and Geometrical Properties of Sand Particles from the Latvian Coast of the Baltic Sea

D. Beitāns-Špaks, Yu. Dekhtyar, Riga Technical University, **R. Kalniņa**, Riga Technical University, Latvian Maritime Academy, **E. Skrebele, H. Sorokins**, Riga Technical University (Latvia) [online]

Hydrogen-Powered Combined Gas and Steam Energy System

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

Assessment of Wind Force Influence on Shallow Underwater Sound Propagation Using Numerical Data

D. Bagočius, Klaipėda State Higher Education Institution (Lithuania), **A. Narščius**, Klaipeda University (Lithuania) [online]