7 October, 2022

Waterborne Transport

Chairman – Prof. **V. Paulauskas**

Co-Chairman – Dr. **B. Plačienė**

10.00 – 14.00	Session
11.40 – 12.00	Coffee Break

Improvements in the Characterization of Viscoelastic Materials for Marine Applications
G. Rognoni, University of Trieste, **E. Brocco,** C.S.N.I. Scarl, **G. Kyaw Oo D'Amore, M. Biot,** University of Trieste (Italy)

Inland Waterway Development as a Mean to Increase Transport Sustainability
N. Calderón-Rivera, I. Bartusevičienė, F. Ballini, World Maritime University (WMU) (Sweden)

Efficiency of the CODAG Ship Power Plant with of Fuel Thermomechanical Treatment
O. Cherednichenko, M. Tkach, I. Ratushniak, B. Lychko, Admiral Makarov National University of Shipbuilding (Ukraine)

Energy System Analysis for Greener Passenger Transportation in İstanbul Strait
E. Turan, Yildiz Technical University, **A. Sarı,** Marmara University, **E. Sulukan, D. Özkan,** Turkish Naval Academy, **Ö. Demir, U. B. Çelebi, N. Vardar,** Yildiz Technical University (Turkey)

Photocatalytic Disinfection: Direction for the Treatment of Ship "Greywater" from Pathogens and Difficult-to-Degrade Organic Compounds
R. Kalniņa, I. Demjanenko, Latvian Maritime Academy, **R. Drunka,** Riga Technical University, **I. Demjanenko,** Latvian Maritime Academy (Latvia)

Analysis of Port Efficiency Assessment Methods, Development of a New Multidimensional Complex Model
A. Rijkure, University of Latvia (Latvia)

Evaluation of Seaports and Terminals Possibilities to Adapt to Changes in Market and Economic Conditions
V. Paulauskas, D. Paulauskas, Klaipeda University (Lithuania), **L. Filina-Dawidowicz,** West Pomeranian University of Technology (Poland)

Resilience of Seaport Ecosystem: Theoretical Approach and Future Research
E. Valionienė, B. Plačienė, Lithuanian Maritime Academy (Lithuania)

Regulations towards Cryogenic Carbon Capture Implementation on the Marine Transport
A. Malūkas, S. Lebedevas, Klaipeda University (Lithuania)

Mathematic Modelling of Towing Operation
M. Simutis, Klaipeda University (Lithuania)

The Baltic Sea Region Ports' Development to Increase Cruise Shipping and Reduce Emissions: the Case of Klaipeda Cruise Ship Terminal Optimal Expansion
A. Markauskas, E. Limbaitė, M. Savickas, Klaipeda University (Lithuania)

Assessing the Ecological and Technical Performance of the New DFDS Ferry
J. Kochas, J. Sadauskas, J. Šmatauskas, Klaipeda University (Lithuania)