

Join the Session via Zoom

Session 6

Online presentations

3 October 2025, 9.00 – 15.00

Chairman – Dr. **J. Jablonskytė**

Co-Chairman – Dr. **S. Japertas**

9.00 – 15.00	*Session*
11.00 – 11.20	*Coffee Break*
13.00 – 13.30	*Coffee Break*

Lifecycle Assessment of a High-Speed Railway Line: a Case Study in Austria
H. Grossberger, J. Kailblinger, St. Pölten University of Applied Sciences (Austria)

Real-Time Driver Health Monitoring Solution
L. Melders, R. Šmigins, A. Birkavs, Latvia University of Life Sciences and Technologies (Latvia)

The Green Marketing, the Internet of Things, and Artificial Intelligence in Logistics
M. Išoraitė, Vilnius College, VILNIUS TECH, **A. Jarašūnienė,** VILNIUS TECH (Lithuania)

Implementation of Sustainable Transport Marketing
M. Išoraitė, Vilnius College (Lithuania)

Conceptual Design of Socio-Cyber-Physical Control Systems of a Railway Marshalling Yards Based on Combining a Colony of Stationary and a Swarm of Dynamic Digital Twins
A. Kosolapov, O. Yehorov, S. Buriak, S. Kozyrev, Dnipro Institute of Transport Infrastructure, Ukrainian State University of Science and Technologies (Ukraine)

Assessment of the Danger Level of Formaldehyde Emissions from Autotransport and the Risk to Population Health
T. Rusakova, K. Rusakova, Oles Honchar Dnipro National University (Ukraine)

Computer Simulation of the Physical Model Flexible Bracelet for Horizontal Highway Alignment
I. Musiienko, Kharkiv National Automobile and Highway University (Ukraine), **V. Masych, K. Borysenko, O. Yurchenko,** H.S. Skovoroda Kharkiv National Pedagogical University (Ukraine), **Yu. Yurchenko,** National Aerospace University "Kharkiv Aviation Institute" (Ukraine)

The Role of Visual Attention in Evaluating Electric Vehicles: An Eye-Tracking Perspective
V. Cvacho, R. Madleňák, University of Žilina (Slovak Republic)

Decarbonising Port Logistics: A Case Study of Electrification and Renewable Energy Integration in Klaipėda Seaport
M. Gelžinis, A. Jarašūnienė, VILNIUS TECH (Lithuania)

Analysis of the Market of Electric Passenger Vehicles
I. Sprogytė-Bredelienė, A. Špuraitė, A. Vaškys, Vilnius College (Lithuania)

Concentration of Traffic-Related Air Pollutants along Urban Road – a Case Study with Mobile Monitoring
W. Loga-Księska, University of Bielsko-Biala (Poland)

The Labour Market and the Shortage of Drivers in Road Transport
Z. Říha, University of Economics and Management (Czech Republic)

Selected Aspects of Railway Transport and Railway Area Security Using Private Security Services
Š. Kavan, E. Stýblová, University of South Bohemia in České Budějovice (Czech Republic)

Sustainable Procurement and Digital Innovation in the Transport Supply Chain
M. Kováčiková, K. Kováčiková, J. Fabuš, I. Kremeňová, University of Žilina (Slovak Republic)

Development of the Transport Industry in the Context of Digitalization, Intellectualization and Foreign
M.F. Baimukhamedov, A.M. Baimukhamedova, G.S. Baimukhamedova, Kostanay Social Technical University named after Z. Aidamzhar, **A.S. Boranbaev**, Nazarbayev University (Kazakhstan)

The Issue of Preparing Historical Maintenance Data for the Needs of Automatic Maintenance Planning in a Transport Company
J. Šulc, R. Soušek, K. Šulcová, University of Pardubice (Czech Republic), **M. Dorda, D. Teichmann,** VŠB - Technical University of Ostrava (Czech Republic)

Optimisation of Petroleum Product Transportation by Multimodal Transport During Martial Law
Yu. Zelenko, V. Cherkudinov, V. Tarasov, M. Soroka, Ukrainian State University of Science and Technology (Ukraine)

On the Use of Point Process Theory for Modelling Transport-Related Event Streams
V. Prokhorov, T. Kalashnikova, Ukrainian State University of Railway Transport (Ukraine)

The Possibilities of Usability Alternative Drives in Railway Freight Transport – a Case Study in the Slovak Republic
A. Dolinayová, P. Morihladko, University of Žilina (Slovak Republic)

CyberResilience in Logistics & Supply Chains: A Comparative Analysis of Expert Opinions
N. Chornopyska, R. Slobodzianyk, Lviv Polytechnic National University (Ukraine)

Modern Approaches to Decarbonization of Port Logistics: International Trends and Latvian Practice
V. Khlud, V. Feofanovs, Riga Technical University (Latvia), **J. Baronins,** Riga Technical University (Latvia), UiT The Arctic University of Norway (Norway), **D. Bickovs,** Riga Technical University (Latvia)

Analysis of the Travel Time Components of the Gorka Narodowa – Dworzec Towarowy Rapid Tram Route in Krakow
M. Bauer, Cracow University of Technology (Poland)

Research into the Causes of Failures of Railway Automation
D. Gorbacovs, P. Gavrilovs, J. Eiduks, N. Mozga, Riga Technical University (Latvia)

Performance and Emission Characteristics of a Compression-Ignition Engine Fuelled with Jatropha Biodiesel Containing Oxygenated Metal-Based TiO2 Nanoparticles
M.S. Ali, Kaunas University of Technology (Lithuania), **A.N. Shah**, University of Engineering and Technology (Pakistan), **L. Raslavičius,** Kaunas University of Technology (Lithuania), **S. Saleem**, The Women University (Pakistan), **S. Hamid**, Swedish College Engineering and Technology (Pakistan)

Marine Power Plants with Bi-Rotor Mechanisms: Development Prospects and Optimization
O. Onishchenko, Odesa National Maritime University, **Ol. Melnyk,** National Transport University, **S. Sagin,** National University Odessa Maritime Academy, **O. Pipchenko,** IPE TCCS NU "Odessa Maritime Academy" (Ukraine), **R. Keršys,** Kaunas University of Technology (Lithuania)

The Impact of a New Link in the City Street Network on Transport Efficiency
V. Leskauskas, A. Keršys, Kaunas University of Technology (Lithuania)