

Join the Session via Zoom

Session 5

Online presentations

9 October 2026, 9.00 – 15.00

Chairman – **A. Keršys**

Co-Chairman – **M. Dagilis**

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

The Development of Electric Mobility from the Perspective of Road Transport in the Czech Republic
R. Hruška, University of Pardubice (Czech Republic)

The Impact of Speed Profile Changes and Idle Time on Total Vehicle CO_2 Emissions
E. Kozłowski, Lublin University of Technology, **M. Zimakowska-Laskowska, P. Wiśniowski, A. Świderski,** Motor Transport Institute (Poland)

Enhancing the Reliability of an Electric Vehicle Charging Hub through Staged Load Reconnection
A. Hnatov, S. Arhun, N. Hryhorenko, Kharkiv National Automobile and Highway University (Ukraine)

Mobility Hubs as Instruments of Sustainable Urban Mobility: Case Study of Düsseldorf
H. Prskalo, M. Slavulj, B. Abramović, University of Zagreb (Croatia)

Statistical Analysis of Micromobility Data at Mobility Hubs: Correlation, Regression and Forecasting Models
H. Prskalo, M. Slavulj, B. Abramović, University of Zagreb (Croatia)

Implementation of Electromagnetic Energy-Harvesting Damping in an Electric Bicycle System
P. Slušňák, V. Samaš, M. Bučko, D. Barta, University of Žilina (Slovak Republic)

Beyond Economic Returns: CBA Applicability in Sustainable Airport Improvement Programs
D.D. Sánchez, A. Novák, University of Žilina (Slovak Republic)

Digital Auditability in Pharmaceutical Cold-Chain Transport: Distinguishing the Functions of IoT, Cloud and Blockchain
M. Fuchs, University of Pardubice (Czech Republic), Higher Colleges of Technology (United Arab Emirates), **M. Řezáč, R. Soušek,** University of Pardubice (Czech Republic)

Model of an Anti-Collision System in Transport Operations and Logistics
M. Řezáč, M. Fuchs, R. Soušek, University of Pardubice (Czech Republic)

Resilience of Railway Transport Infrastructure During Extraordinary Events: The Role of the Railway Fire Rescue Service
Š. Kavan, University of South Bohemia in České Budějovice, **M. Hrinko,** Cevro Univerzita, **Š. Kročová,** VSB - Technical University of Ostrava (Czech Republic)

Preparing Transport Engineers for a Digital and Data-Driven Future: Comparing Synchronous and Asynchronous Instruction
A. Jahodova Berkova, University of Pardubice, **R. Nemec,** University of Hradec Kralove (Czech Republic)

Artificial Intelligence and Robotics in Railroad Service Quality Management
M.F. Baimukhamedov, A.M. Baimukhamedova, G.S. Baimukhamedova, Kostanay Social Technical University named after Z. Aidamzhar, **A.S. Boranbayev,** Nazarbayev University (Kazakhstan)

Strengthening the Resilience of Maritime Education and Training Institutions in Indonesia: A Triple Helix Approach
A.M. Usman, F. Yasmin, M.M. Mataac, I. Bartusevičienė, World Maritime University (Sweden)

Economic Efficiency of Implementing Intelligent Transport Systems (ITS)
P. Pererva, O. Kosenko, T. Kobielieva, A. Kosenko, M. Tkachov, I. Dolyna, National Technical University "Kharkiv Polytechnic Institute" (Ukraine)

Economic Mechanism for Stimulating Innovative Activity of Enterprises in the Transport Sector
P. Pererva, National Technical University "Kharkiv Polytechnic Institute", **O. Leha,** Poltava State Agrarian University, **N. Tkachova, Ye. Vydrya,** National Technical University "Kharkiv Polytechnic Institute" (Ukraine), **K. Moroz,** Enuda AB (Sweden), **I. Lysenko,** National Technical University "Kharkiv Polytechnic Institute" (Ukraine)

Business Models of the Sharing Economy in the Transport Sector
P. Pererva, National Technical University "Kharkiv Polytechnic Institute", **O. Kniaz,** Lviv Polytechnic National University, **D. Nesterov, I. Novik,** National Technical University "Kharkiv Polytechnic Institute" (Ukraine), **V. Kniaz,** "Hidemont" (USA), **V. Matrosova,** National Technical University "Kharkiv Polytechnic Institute" (Ukraine)

Application of Artificial Intelligence Technologies to Improve Marketing Processes in Transport
M. Išoraitė, Vilniaus kolegija / Higher Education Institution (Lithuania)

Optimization of Technological Chains of Road Transport Enterprises as a Factor of Increasing Resource Conservation
D. Ivanchenko, A. Fomina, Pryazovskyi State Technical University (Ukraine), **J. Jablonskytė,** Kaunas University of Technology (Lithuania), **A. Sulym,** State Enterprise "Ukrainian Scientific Railway Car Building Research Institute", **S. Shelest,** State University "Kyiv Aviation Institute" (Ukraine)

Stress-Strain State Analysis of ISO Containers during Transshipment Operations

S. Sagin, National University “Odessa Maritime Academy”, **O. Onishchenko,** Odesa National Maritime University (Ukraine), **R. Keršys,** Kaunas University of Technology (Lithuania), **Ol. Melnyk,** National Transport University, **O. Pipchenko,** IPE TCCS NU "Odessa Maritime Academy" (Ukraine)

Intelligent Control System for a Transport and Warehouse Complex Based on Machine Learning Methods

S. Shelest, A. Liamzin, State University “Kyiv Aviation Institute” (Ukraine), **R. Makaras,** Kaunas University of Technology (Lithuania), **S. Turpak,** Zaporizhzhia Polytechnic National University (Ukraine), **I. Medvediev,** Gdansk University of Technology (Poland), Volodymyr Dahl East Ukrainian National University (Ukraine)

Optimisation of Lubrication of Highly Loaded Tribosystems of Road Transport by Modelling of Boundary and Hydrodynamic Components of Contact Interaction

O. Fomin, National Transport University, **D. Ivanchenko, A. Fomina,** Pryazovskyi State Technical University (Ukraine), **R. Keršys,** Kaunas University of Technology (Lithuania), **A. Liamzin,** State University “Kyiv Aviation Institute” (Ukraine)