

Sustainable Transportation Solutions

Chairman – Prof. **A. Keršys**

Co-Chairman – **M. Dagilis**

10.00 – 18.00	Session
11.40 – 12.00	Coffee Break
13.30 – 14.15	Lunch
16.00 – 16.20	Coffee Break

Road Weather Condition Variability Analysis and Critical Infrastructure Points Identification Using Mobile Measurement Method

J. Sordyl, University of Bielsko-Biala (Poland)

Mobile Monitoring of Fine Particulate Concentrations on City Roads

W. Loga-Księska, University of Bielsko-Biala (Poland)

Urban Consolidation Centres – What Can We Learn from their Implementation so Far?

T. Bibič, **T. Cvahte Ojsteršek**, University of Maribor (Slovenia)

Improving the Passenger Road Transportation Safety Management System

M. Vesela, **S. Cheberyachko**, **O. Deryugin**, **O. Yavorskaya**, **O. Tretyak**, **I. Bas**, Lviv Polytechnic National University (Ukraine)

Development of IoT Solution Prototype for Reliable and Sustainable Transport System in Uncertain Epidemiological Conditions

A. Patlins, **M. Bekeris**, Riga Technical University (Latvia)

Self-reported Behaviour in Montenegro: Driving above the Speed Limit

M. Grdinić-Rakonjac, **V. Pajković**, University of Montenegro (Montenegro), **B. Antić**, University of Belgrade (Serbia)

Review of Researches Tendency in the Future of the Road Transport

M. Karpenko, **O. Prentkovskis**, Vilnius Tech (Lithuania)

Changing of Global Logistics Flows due to the War in Ukraine

Y. Krykavskyy, **K. Kalynets**, **N. Chornopyska**, Lviv Polytechnic National University (Ukraine)

The Impact of Russian Invasion of Ukraine on the Rail Freight Flows

Y. Krykavskyy, **L. Bolibrukh**, Lviv Polytechnic National University (Ukraine)

Competitive Advantages Assessment for the Railway Industry of Ukraine

N. Chornopyska, **K. Stasiuk**, Lviv Polytechnic National University (Ukraine)

Analysis of Selected Threats and Risks in the Road Transport of Containerized Cargo for the Tromso-Tana Route, Located in Norway's Arctic Circle

R. Łukasik, Gdynia Maritime University (Poland)

Simulation Model of a Rail-Road Container Terminal Described as a Queueing System

S. Martinov, Technical University of Sofia (Bulgaria)

Progress of Optimization in Rail-Based Multimodal Transport Chains

A. Wagner, **A. Anderluh**, **F. Michelberger**, **P. Graf**, **M. Prem**, St. Pölten University of Applied Sciences (Austria)

Signal Analysis of the Armature Rotation Irregularities in the Traction Electric Motor by Unsupervised Anomaly Detection Methods

B. Bodnar, **O. Ochkasov**, **V. Serdiuk**, Ukrainian State University of Science and Technologies, **M. Ochkasov**, Taras Shevchenko National University of Kyiv (Ukraine)

Missing Tracks and Switches – on the Way to Assess Modernised Stations in Terms of their Usefulness for Railway Traffic

M. Bažant, University of Pardubice, **P. Smoczyński**, **A. Gill**, Poznan University of Technology (Poland), **J. Bulíček**, University of Pardubice (Czech Republic)

Modelling of Structure of Public Transport Lines in the Agglomeration of Pardubice

J. Bulíček, **D. Šourek**, **M. Vojtek**, **N. Mondek**, University of Pardubice (Czech Republic), **M. Škorupa**, IDS Východ, s.r.o. (Slovak Republic)

Quick Computing Numerical Model of Pollutant Dispersion in Urban Street canyon

M. Biliaiev, Ukrainian State University of Science and Technology, **T. Rusakova**, **V. Biliaieva**, Oles Honchar Dnipro National University, **O. Berlov**, Prydniprovsk State Academy of Civil Engineering and Architecture, **V. Kozachyna**, Ukrainian State University of Science and Technology, **P. Kirichenko**, Kryvyi Rih National University (Ukraine)

Predicting Dust Pollution in the Passenger Compartment

M. Biliaiev, Ukrainian State University of Science and Technology, **T. Rusakova**, **V. Biliaieva**, Oles Honchar Dnipro National University, **P. Mashykhina**, Ukrainian State University of Science and Technology, **K. Rusakova**, Oles Honchar Dnipro National University (Ukraine)

Assessment of the Readiness of the Selected Object of Transport Infrastructure for Violent Attacks

D. Kotkova, **M. Hromada**, **L. Kotek**, Tomas Bata University in Zlín (Czech Republic)

Software Tool for Identification and Classification of Soft Targets of Transport Infrastructure

D. Kotkova, **L. Kotek**, **D. Malanik**, **M. Hromada**, **M. Malanikova**, Tomas Bata University in Zlín (Czech Republic)

Experimental Research of Ropeway Dynamics

O. Kuropiatnyk, **S. Raksha**, **O. Krasnoshchok**, Ukrainian State University of Science and Technologies (Ukraine)

Application of Quality Management Methods in Railway Undertakings as a Support for the Competitiveness of Railway Transport in the Transport Market

E. Nedeliaková, **M. Valla**, University of Zilina (Slovak Republic)

Proposal of the Systematic Measures to Support Rail Passenger Transport during the Pandemic Period

Z. Bulková, **M. Dedík**, **V. Štefancová**, **J. Gašparík**, University of Zilina (Slovak Republic)

Rail Passenger Transport before and during Pandemic COVID-19 in Slovak Republic

A. Dolinayova, **I. Domy**, University of Zilina (Slovak Republic)

Development of Transport and Logistics Complex of Kazakhstan in the Context of the Program “Digital Kazakhstan”

M.F. Baimukhamedov, **A.M. Baimukhamedova**, **G.S. Baimukhamedova**, Kostanay Socio-Technical University named after Academician Z. Aldamzhar (Kazakhstan), **M.K. Akgul**, Ministry of Industry and Technology of Turkey (Turkey)

Prediction of Engine Oil Quality

Š. Čorňák, **J. Jelínek**, University of Defence in Brno (Czech Republic)

The Real Added Value of Corporate Social Responsibility of Automotive Brands and Its Implications for Marketing Management

J. Majerova, **M. Nadanyiova**, **Z. Bednarcik**, AMBIS University (Czech Republic)

The Cost Development in Road Freight Transportation

Z. Říha, University of Economics and Management, **J. Tichý**, College of Logistics (Czech Republic), **J. Gnáp**, University of Žilina (Slovak Republic)

Co-Modality as a Tool for Improvement of Public Transport

A. Pálková, **J. Mašek**, **D. Pribula**, University of Zilina (Slovak Republic)

Issues of Administrative Processing of Road Offences Detected by Weigh-in-Motion High-Speed Automatic System and Suggestions to Rationalising of this Administration

J. Bulíček, **J. Kleprlík**, University of Pardubice, **K. Světlá**, Městský úrad Ricany (Czech Republic)

Activities Affecting the Safety of Transport Companies by Changing the Process and Awareness of Employees, and the Implementation of Innovative Technical Infrastructure

G. Wiśniewski, The International University of Logistics and Transport in Wrocław (Poland)

Urban Transport in Osh City

B. Zhorobekov, Osh Technological University (Kyrgyzstan)

Analysis of Transport Pollution Air Quality Monitoring Stations in Lithuania

D. Juodvalkis, M. Mažeika, KTU, Kaunas University of Applied Engineering Sciences (Lithuania)