

SUSTAINABLE TRANSPORTATION SOLUTIONS

27th International Scientific Conference

**TRANSPORT
MEANS
2023**



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Session 5

Hotel Gabija, Hall PARK

5 October 2023, 9.00 – 13.30

Chairman – Dr. **A. Keršys**

Co-Chairman – Dr. **A. Patlins**

9.00 – 13.30	Session
11.00 – 11.20	Coffee Break

Development of a Simulation Environment for Freight Train Investigations

A. Wagner, A. Anderluh, St. Pölten University of Applied Sciences (Austria), **H. Haramina**, University of Zagreb (Croatia), **F. Michelberger, M. Prem, P. Graf**, St. Pölten University of Applied Sciences (Austria) [online]

Agrologistic of Ukraine: Current State and Impact on Agribusiness

G. Myskiv, Lviv Polytechnic National University, **O. Ilchuk**, Hetman Petro Sahaidachnyi National Ground Forces Academy (Ukraine)

Digitalization and Robotization of Vehicle Management in Kazakhstan

M.F. Baimukhamedoy, 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) [online]

Transportation of Microparticles Applying Dynamic Dry Friction Manipulations

R. El Banna, S. Kilikevičius, A. Fedaravičius, KTU (Lithuania) [online]

Quantifying the Impact of the Pandemic on the Operational Performance of European Groups of Airlines

E. Endrizalová, R. Zozulák, Czech Technical University in Prague (Czech Republic) [online]

Ukrainian Unbreakable Rail Freight Transportation in Russia's War against Ukraine: Performance during the Crisis

Y. Krykavskyy, L. Bolibrukh, Lviv Polytechnic National University (Ukraine), **S. Nycz-Wojtan**, Collegium Humanum (Poland) [online]

The Usage of Wavelet Analysis in the Construction of Machine Learning Models for Determining the Technical Condition of a Traction Electric Engine

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

Analysis of Feasibility for Implementing European Standard Railway Tracks in Ukraine

M. Kurhan, D. Kurhan, N. Hmelevska, Ukrainian State University of Science and Technologies (Ukraine)

Increasing the Occupational Safety of a Technological Truck Driver

M. Vesela, S. Cheberyachko, O. Deryugin, Y. Litvinova, O. Tretyak, N. Sushko, Lviv Polytechnic National University (Ukraine)

Modeling the Dynamism of Complex Dynamic Systems Using the Universal Laws of the Wave Theory

I. Bondarenko, Institute of Mechanical Engineering and Transport, Lviv Polytechnic National University (Ukraine), **R. Keršys**, KTU (Lithuania), **L. Neduzha**, Ukrainian State University of Science and Technologies (Ukraine)

Security Risk Assessment at Transport Infrastructure Facilities

O. Yanhulova, Ukrainian State University of Science and Technologies (Ukraine), **R. Keršys**, KTU (Lithuania), **L. Neduzha**, Ukrainian State University of Science and Technologies (Ukraine)

Research of Electric Vehicle Charging from AC Power Supply

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

A Study of the Efficiency of a Plug-in Hybrid Car

D. Juodvalkis, R. Skvireckas, KTU, Kaunas University of Applied Engineering Sciences (Lithuania)