

# AUTOMOTIVE AND RAILWAY TRANSPORT

27<sup>th</sup> International Scientific Conference

**TRANSPORT  
MEANS  
2023**



[Join the Session via Zoom](#)

## Session 4

Hotel Gabija, Hall SEA

6 October 2023, 9.00 – 13.30

Chairman – Dr. **S. Japertas**

Co-Chairman – Prof. **V. Lukoševičius**

9.00 – 13.30	Session
11.00 – 11.20	Coffee Break

*Diesel Engine Full Load External Characteristic Comparison after Alternative Fuel Conversion Process*  
**M. Dziewiatkowski, D. Szpica**, Białystok University of Technology (Poland) [online]

*A Survey Study of Autonomous Vehicle Moral Dilemma: A Turkish Perspective*  
**S. Himmetoglu, E.N. Zengin, F. Orkmez, A. Tekeli**, Hacettepe University (Turkey) [online]

*Assessment of the Parametric Reliability of the Side Surface of the Diesel Engine Piston during Its Design*  
**O. Linkov, A. Marchenko, V.V. Pylyov**, National Technical University “Kharkiv Polytechnic Institute”, **S. Lykov**, SE “MALYSHEV PLANT” (Ukraine) [online]

*Choosing the Optimal Variant for Shunting Operations Using the Logistic Approach at Marshalling Station*  
**O. Ischuka**, Riga Technical University (Latvia), **D. Lomotko, M. Lomotko**, Ukrainian State University of Railway Transport (Ukraine) [online]

*Manufacturing of the Diesel Multiple Units in Poland in 21th century*  
**A. Soczówka, P. Chyliński**, Railway Research Institute (Poland) [online]

*Study of the Development of Freight Train Traffic of Increased Length and Mass*  
**D. Sevaldin, S. Steisunas, G. Vaiciunas**, Vilnius Gediminas Technical University (Lithuania) [online]

*User Interface of Mobile Applications for Railway Transport Operation*

**P. Šmídová, P. Šohajek**, University of Pardubice (Czech Republic) [online]

*Evaluation of Emissions from Automotive Transport in Ukraine*

**T. Rusakova, K. Rusakova**, Oles Honchar Dnipro National University (Ukraine) [online]

*Improvement of Interoperability and Joint Utilization of Freight Wagon Fleets in Countries of the “1520 Gauge” for the National Transport System of Ukraine and other Countries: Analysis of the Structure and Parameters of the Additional Wagon Fleet*

**Ye. Khodakivska, T. Butko, O. Khodakivskyi, V. Cheklov**, Ukrainian State University of Railway Transport (Ukraine) [online]

*Reduction of Guiding Forces in Curves by Means of Active Wheelset Steering – Simulations Results*

**J. Kalivoda**, Czech Technical University in Prague (Czech Republic) [online]

*Analysis of Lightweight Vehicle Suspension Using MSC.Adams/Car*

**A. Ručinskis, V. Lukoševičius, A. Povilionis**, KTU (Lithuania)