Session 4
Hotel Gabija, Hall SEA
6 October 2023, 9.00 – 13.30

Chairman – Dr. S. Japertas
Co-Chairman – Prof. V. Lukoševičius

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**Diesel Engine Full Load External Characteristic Comparison after Alternative Fuel Conversion Process**
M. Dziewiakowski, D. Szpica, Bialystok 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. Vaičiunas, 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)