

Section

AUTOMOTIVE AND RAILWAY TRANSPORT

30th International Scientific Conference
**TRANSPORT
MEANS
2026**



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Session 1

Victoria Hotel Kaunas Conference Center, Hall 3-1

8 October 2026, 9.00 – 15.30

Chairman – **S. Kilikevičius**

Co-Chairman – **V. Lukoševičius**

9.00 – 15.30	Session (Hall 3-1)
10.40 – 11.00	Poster session (ground floor lobby)
10.40 – 11.00	Coffee Break (ground floor lobby)
12.30 – 13.30	Lunch (Hotel Restaurant)
from 15.00	Coffee Break (ground floor lobby)
15.30 – 18.00	Excursion to the Lithuanian Aviation Museum (the bus departs from the Hotel at 15.30)

Biomechanical Responses of an Occupant to Different Rear Impact Severities in a Seat with Torso-Plates

S. Himmetoglu, Hacettepe University, **S. Yavuz**, University of Turkish Aeronautical Association (Turkey)

A Parametric Investigation of the Unloading Behaviour of Seats during Rear Impact

S. Himmetoglu, Hacettepe University, **A.L. Zengin**, Baskent University (Turkey)

Railway Capacity Assessment in Complex Nodes: Integrating Data Reconstruction, Combinatorial Analysis and Simulation

C. Musetti, **S. Ricci**, Sapienza University of Rome (Italy)

Analysis of the Feasibility of Passing Insulated Overlaps under Active Current Collection in 3 kV DC Railway Systems

V. Kuznetsov, Railway Research Institute (Poland), **M. Aleksiuk**, Ukrainian State University of Science and Technologies (Ukraine), **P. Hubsykyi**, **A. Rojek**, Railway Research Institute (Poland)

Simulation of Degraded Operating Conditions in Traction Power Supply Systems with Train Current Limitation

V. Kuznetsov, Railway Research Institute (Poland), **M. Aleksiuk**, Ukrainian State University of Science and Technologies (Ukraine), **P. Hubsykyi**, **A. Rojek**, Railway Research Institute (Poland)

Application of a Numerical Method for the Longitudinal Dynamics of a Trainset

J. Dižo, **A. Lovska**, **M. Blatnický**, **M. Bučko**, University of Žilina (Slovak Republic), **S. Semenov**, Gdansk University of Technology (Poland), Volodymyr Dahl East Ukrainian National University (Ukraine), **E. Mikhailov**, Volodymyr Dahl East Ukrainian National University (Ukraine)

Peculiarities of Mathematical Modeling of Vehicle Braking Process

M. Bogdevičius, VILNIUS TECH (Lithuania)

Numerical Assessment of the Ability to Regulate Gas Injector Flow Using a Control Shaft

D. Szpica, Bialystok University of Technology (Poland)

Modal Analysis of a Supporting Structure of an Open Wagon with Walls Formed by Corrugated Sheets Metal

A. Lovska, **J. Gerlici**, **J. Dižo**, University of Žilina (Slovak Republic)

Laboratory Analysis of Performance Characteristics of a CI Engine Fueled with Hydrogen-Enhanced Biofuels

M.S. Ali, Kaunas University of Technology, **R. Juknelevičius**, **S. Pukalskas**, **A. Rimkus**, VILNIUS TECH, **L. Raslavičius**, Kaunas University of Technology (Lithuania)