

AVIATION AND DEFENCE TECHNOLOGIES

30th International Scientific Conference

**TRANSPORT
MEANS
2026**



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Session 3

Victoria Hotel Kaunas Conference Center, Hall 2-2

8 October 2026, 9.00 – 15.30

Chairman – **S. Japertas**

Co-Chairman – **M. Lendraitis**

9.00 – 15.30	Session (Hall 2.2)
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)

Comparison of Passenger Vehicle Powertrains Using Life Cycle Assessment: Impact of the Energy Mix on CO₂ Equivalent Emissions

J. Furch, Z. Krobot, B. Knápek, University of Defence (Czech Republic)

Application of Multibody Simulation for Vibration Diagnostics of Rolling Element Bearings

B. Knápek, Z. Krobot, University of Defence (Czech Republic)

Modelling of Drone Wall Breakouts Using Binomial and Monte Carlo Methods

S. Japertas, A. Solovjovas, Kaunas University of Technology (Lithuania)

Healthcare Accessibility in a Multi-level Evacuation System on a Battlefield

J. Jekl, **J. Jánský**, University of Defence (Czech Republic)

Quantum Technology

A. Švásta, **B. Knápek**, University of Defence (Czech Republic) **B. Kopilakova**, A. Dubcek University of Trencin (Slovak Republic), **P. Stodola**, **J. Stodola**, University of Defence (Czech Republic)

Assessment of Generic LCA Models in Comparison with Passenger Car Manufacturer Data

Z. Krobot, **B. Knápek**, University of Defence (Czech Republic)

Experimental Investigation of Thrust Variation in a Paraffin-Fueled Hybrid Rocket Engine

M. Lendraitis, Kaunas University of Technology, **A. Jančauskas**, **J. Eimontas**, **E. Bykov**, **K. Zakarauskas**, Lithuanian Energy Institute (Lithuania)