

7 October, 2021

25th International
Scientific Conference
Transport Means 2021

Aviation and Defence Technologies

Chairman – Prof. **A. Fedaravičius**

Co-Chairman – **M. Lendraitis**

10.00 – 18.00	Session
11.40 – 12.00	Coffee Break
13.30 – 14.15	Lunch
16.00 – 16.20	Coffee Break

Public Financial Support to Aviation During the COVID-19 in the Baltic Countries

V. Trasberg, A. Nõmmik, Estonian Aviation Academy (Estonia)

Health Protection Measures and Physical Distancing Model for Airports

T. Dvořáková, M. Svítek, P. Vittek, Czech Technical University in Prague, **V. Řehoř**, Prague Airport (Czech Republic)

Hazard Sources' Identification During Unmanned Medical Transport Flight

A. Kobaszyńska-Twardowska, M. Ginter, Poznan University of Technology (Poland)

Risk Assessment in Glider Flights as a Stage of Developing an Integrated Safety Management Method in General Aviation

M. Ginter, M. Galant-Golebiewska, Poznan University of Technology (Poland)

Integration and Verification Approach of the Metamorphosis Mobile Space Testing Facility

S. Kravchenko, N. Kuleshov, V. Shestakov, N. Panova, S. Bratarchuk, Cryogenic and Vacuum Systems (Latvia)

Comparative Analysis of Possible Aircraft Payload Transportation Method, Suitable for the LatLaunch Reusable Launch Vehicle Operation

S. Kravchenko, N. Kuleshov, V. Shestakov, N. Panova, Riga Technical University, Cryogenic and Vacuum Systems, **I. Bloomberg**, Riga Technical University (Latvia)

Modelling the Overall, Mass and Aerodynamic Characteristics of the First and Second Stages of the System for Launching Micro- and Nanosatellites into Low Earth Orbits

N. Kuleshov, S. Kravchenko, V. Shestakov, N. Panova, Riga Technical University, Cryogenic and Vacuum Systems, **I. Bloomberg, D. Titov**, Riga Technical University (Latvia)

Oil Spectrometric Analysis as a Monitoring Tool in the Wear of an Aircraft Piston Engine

A. Bielec, J. Nowakowski, University of Bielsko-Biala (Poland)

The Model Proposal of Counter-UAS System Solution

Michal Černý, J. Kraus, Š. Hulinská, Czech Technical University in Prague

Adoption of Digital Technologies at Regional Airports in the Slovak Republic

A. Novák-Sedláčková, T. Remencová, University of Žilina (Slovak Republic)

Implementation of Smart and Digital Technologies to Aviation

A. Novák, I. Coskun, University of Žilina (Slovak Republic), **J. Zýka**, University College of Business in Prague (Czech Republic), **T. Lusiak**, Lublin University of Technology (Poland)

Design of Communication Monitoring System for UAV Detection

M. Brodniansky, A. Novák, University of Žilina (Slovak Republic)

Influence of Fatigue on Pilot's Physical Activity during 24-hour Experiments

L. Hanáková, V. Socha, K. Snižková, T. Gavura, P. Olexa, R. Matyáš, Czech Technical University in Prague (Czech Republic)

Safety Study of Operation on More than One Type Under Air Operator Certificate

R. Matyáš, V. Socha, L. Hanáková, J. Honzek, M. Kalivodová, Czech Technical University in Prague (Czech Republic)

Leadership in Air Transport

A. Martikánová, Technical University of Košice (Slovak Republic), **L. Socha, T. Gavura**, Czech Technical University in Prague (Czech Republic)

Localization of Airport Protection Systems Against UAVs

Z. Korecki, T. Hoika, University of Defence in Brno (Czech Republic)

Development of a Composite Flexible Hinge Concept and Its Application to Compliant Structures

M. Lendraitis, KTU (Lithuania)

Evaluating the Degradation Process of Electronic Elements on Combat Vehicles in Accelerated Reliability Test on Multifactor Stress

A.D. Hoang, Z. Vintr, University of Defence in Brno (Czech Republic)

Technical Diagnostics of a Vehicle Combustion Engine

Z. Krobot, J. Jelinek, P. Stodola, J. Stodola, University of Defence in Brno (Czech Republic), **A. Breznicka**, Alexander Dubcek University of Trencin (Slovak Republic)

Low Carbon Mobility - Electromobility

J. Jelinek, Z. Krobot, P. Stodola, J. Stodola, University of Defence in Brno (Czech Republic), **A. Breznicka**, Alexander Dubcek University of Trencin (Slovak Republic)

Product and its Life Cycle Cost Analysis

J. Furch, V. Konečný, University of Defence in Brno (Czech Republic)

Model Design of the Life Cycle Cost Analysis for the Acquisition of a Motor Vehicle

J. Furch, V. Konečný, University of Defence in Brno (Czech Republic)

Vehicle Security Barriers for Building Protection

P. Dvořák, P. Mañas, J. Štoller, University of Defence in Brno (Czech Republic)

Aerodynamic Analysis of a Rocket Using CFD Techniques

S. Kvietkaitė, S. Kilikevičius, A. Fedaravičius, KTU (Lithuania)

Investigation of the Image Recognition System for the Short-Range Air Defence System RBS-70 Field Simulator

A. Fedaravičius, K. Jاسas, A. Survila, KTU (Lithuania)

Development of Aeroservoelastic Analysis Method for High Flexibility Aircraft

M. Dagilis, KTU (Lithuania)

Aircraft Maintenance and Maintainability

J. Patašius, KTU (Lithuania)