

New Trends In Aviation Development 2018 - University Library, Technical University of Košice, Boženy Nemcovej 7, Košice

Thursday - 30.8.2018

Time	Action	Responsibility
8.00 - 9.00	Registration	Organizing Team
9.00 - 9.15	Opening of the conference	Dr.h.c. doc. Ing. Stanislav Szabo, PhD., MBA, LL.M.
9.15 - 10.00	General Presentation on The European AIS Database (EAD) - Peter Matern	Invited talk by Peter Matern, Eurocontrol
10.00-10.20	Coffee Break 1	Organizing Team
10.20 - 12.00	Session 1	Chairman: R. Andoga
10.20 - 10.40	Methodology for Justification of Aviation Safety Investments	Andrej Lališ, Veronika Červená, Slobodan Stojić, Jakub Kraus
10.40 - 11.00	Implement policies and processes to increase the level of security of the multilayered logistics chain of supply	Zbyšek Koreckí, Blanka Adámková
11.00 - 11.20	Airport integrated operational center	Jakub Brumar, Lenka Brumarova, Jiri Pokorny
11.20 - 11.40	Development of a Micro-Turbojet Test Rig for Investigating Effects of Alternative Fuel	Károly Beneda; László Kavas; Béla Varga
11.40 - 12.00	Investigation of production flaws in thin solid carbon laminates by using Ultrasonic Phased Array method	Jan Piřa, Tomasz Balerzak, Mateusz Ojciec
12.00 - 13.10	Lunch	Organizing Team
13.20 - 15.00	Session 2	Chairman: M. Šmelko
13.20 - 13.40	Possible Detection of Multirotor UAVs Based on Disturbances in Magnetic Field	P. Lipovský, F. Heško, V. Moucha and J. Bažek
13.40 - 14.00	Automatic Detection of Flight Maneuvers with the Use of Density-based Clustering Algorithm	V. Socha, L. Hanakova, L. Socha, S. Van den Bergh, A. Lalis and J. Kraus
14.00 - 14.20	Current status of cyber security in surveillance data processing systems in Europe	Marián Jančík, Šimon Holoda, Milan Džunda, Branislav Kandra
14.20 - 14.40	Risk Management in the Process of Aircraft Ground Handling	L. Socha, V. Socha, B. Vaško, A. Čekanová, L. Hanákova, P. Hanák and J. Kraus
14.40 - 15.00	IMU Accelerometer and Magnetometer Calibration Using Spectral Analysis	Katarína Draganová, Pavol Lipovský, Miroslav Šmelko
15.00 - 15.20	Coffee Break 2	Organizing Team
15.20 - 17.00	Session 3	Chairman: P. Lipovský
15.20 - 15.40	Virtual Prototyping and Additive Manufacturing of a Vaned Diffuser for a Research Jet Engine	Károly Beneda; Árpád Veress
15.40 - 16.00	Air Transport Services A Monopoly in Air Navigation Services	Jindřich Ploch, Karel Šrédli, Luboš Janko, Luboš Hlinovský
16.00 - 16.20	Aerial survey on apses of Catholic churches in Székesfehérvár	Péter Udvardy
16.20 - 16.40	A distributed quadratic generation scheduling optimization and reserve allocation approach based on the decomposition	Dávid Cserecsik, Péter Kádár
16.40 - 17.00	Potential uses of a new type of antenna in aviation	Martin Krchňák, Ján Labun, Ján Gamec, Pavol Kurdel, Marek Češkovič
17.00 - 18.00	Poster Session	Chairman: M. Hovanec
	Modeling of the Flight Trajectory of Flying Objects	Milan Džunda
	Local modular DCS system for airports	F. Adamčík, J. Galanda, R. Šulej, E. Jenčová, M. Jezný
	Analysis of Point-to-Point versus Hub-and-Spoke airline networks	Zuzana Zgodavová, Róbert Rozenberg, Stanislav Szabo
	Aero-engine manufacturer-planning	M. Vencel, P. Korba, M. Hovanec, I. Vasilčin
	Is it Possible to Use the Experimental Identification Based on the Transition Characteristics for Micro Turbo Compressor	Ján Savka, Ladislav Fózó, Nikolas Ivanics, Rudolf Andoga
	Continual Monitoring of Precision of Aerial Transport Objects	M.Čatloš, P. Kurdel , A. Novák Sedláčková, J. Labun and M. Češkovič
	Magnetic Materials for Small Magnetic Sensors and Airport Detectors	E. Komová, K. Tibenská
18.00 - 21.00	Social Evening	Organizing Team

Friday - 31.8.2018

Time	Action	Responsibility
9.00 -10.40	Session 4	Chairman: K. Semrád
9.00 - 9.20	Stability of hovering coleoptere	Fabry, Tulipan, Gasparovic
9.20 - 9.40	Security management education and training of critical infrastructure sectors' experts	Miroslav Kelemen, Jaroslav Jevčák
9.40 - 10.00	Wizz Air cancels the base in Košice despite a minimum of 80% occupancy of flights to four destinations	M. Pilát, S. Makó, S. Szabo, A. Tobisová, P. Hanák, L. Socha, R. Rozenberg
10.00 - 10.20	The Simulation of Fire and Rescue Services Operations at Airplane Accidents	A. Tobisová, B. Mikula, S. Szabo jr. , D. Blaško, I. Vajdová, E. Jenčová, L. Melníkova, S. Szabo, V. Němec
10.20 - 10.40	Helicopter emergency medical services response time in the Central European Region	Peter Kařavský, Róbert Rozenberg, Pavol Petřiček, Luboš Socha, Vladimír Socha
10.40 - 11.00	Coffee Break 3	Organizing Team
11.00-12.20	Sesion 5	Chairman: K. Draganová
11.00 - 11.20	The follow-up on the Free Route Airspace Implementation in Slovakia with the proposed optimization model	Miroslava Ferencová, Radoslav Šulej and Peter Szabó
11.20 - 11.40	Aeronautical Composite Construction Monitoring by Magnetic Microwires	M. Šmelko, M. Spodniak, K.Semrád, P. Tulipán, P. Lipovský, V. Moucha
11.40 - 12.00	Basic Thermal Field Analysis of a Small Turbo-Jet Engine	Martin Schrötter, Róbert Bréda, Rudolf Andoga, Ladislav Fózó, Michal Schreiner
12.00 - 12.20	The concept of an air driven propeller as a thruster for special use	Karol Semrád, Jozef Čerňan, Ladislav Fózó, Miroslava Cúttová
12.20 - 12.30	The closing ceremony	Technical program committee, Organizing Team
12.30 - 13.30	Lunch	Organizing Team