

**WEDNESDAY – 9 NOVEMBER 2022 – DAY 1**

08,55 – 09,00 **Andrej Novák**, opening speech

09,00 – 09,20 Keynote Speaker:

Antonio Licu, Return to normal operation after pandemics – the EUROCONTROL perspective

09,20 – 09,40 **David Ennen**, COVID-19: Impacts on air fares and air connectivity in the European Union

09,40 – 10,00 **Liana Karapetjan**, Implementation of a vestibular illusion simulator into IR training

10,00 – 10,20 **Andrej Lališ**, Analyzing Aircraft Maintenance Findings with Natural Language Processing

10,20 – 10,40 **Mária Kováčová**, Unmanned aerial systems: Status and forthcoming challenges for safety risk management

10,40 – 11,10 NETWORKING COFFEE BREAK

11,10 – 11,30 Keynote Speaker:

Joris Melkert, How are we going to solve the CO2-problem of aviation?

11,30 – 11,50 **Janina Scheelhaase**, Economic and environmental aspects of aircraft recycling

11,50 – 12,10 **Hansjochen Ehmer**, The effectiveness of regulatory noise mitigation measures

12,10 – 12,30 **Nikola Lukačević**, Simulation model for estimation of aircraft emissions at Airport Podgorica

12,30 – 12,50 **Wolfgang Grimme**, Estimation of potential hydrogen demand and CO2 mitigation in global passenger air transport by the year 2050

12,50 – 13,30 LUNCH BREAK

13,30 – 13,50 Keynote speaker:

Doris Novak, Air traffic management - Can we really see into the future?

13,50 – 14,10 **Yu-Chun Chang**, How aviation market is influenced by political policy- the case of Taiwan and China

14,10 – 14,30 **Martin Jung**, Availability of en-route alternate aerodromes as potential limitation in flight planning for hybrid-electric Regional aircraft

14,30 – 14,50 **Vladimír Socha**, The influence of fatigue on an instrument approach

14,50 – 15,10 Keynote speaker:

Techniserv, RCMS SOLUTION for NAVAIDS – are integration and centralization our future?

15,10 – 15,30 NETWORKING COFFEE BREAK

15,30 – 15,50 Keynote speaker:

Miroslav Svítek, Smart airport as a part of the Smart city

15,50 – 16,10 **Jiří Volt**, Optimization of the baggage loading and unloading equipment

16,10 – 16,30 **Jakub Hospodka**, Verification of influence of the solar flare from September 2017 to ADS-B NAC parameter

16,30 – 16,50 **Doroteja Timotic**, Automation in air traffic control: trust, teamwork, resilience, safety

16,50 – 17,10 Keynote Speaker:

NG Aviation, Use of Digital data across aviation stakeholders

17,45 1st transfer to BNC Bratislava, Turbínová 1, 831 04 Bratislava

17,55 2nd transfer to BNC

18,00 - 22,00 SLOVAK EVENING (dress code CASUAL)

NG AVIATION





THURSDAY – 10 NOVEMBER 2022 – DAY 2

09,00 – 09,20 Keynote Speaker:

Giorgio Guglieri, Additive Manufacturing of Lightweight Monitoring Drones: Design and Experimental Investigation

09,20 – 09,40 **Anna Konert**, Legal framework for space exploration, benefits and threats for the Earth

09,40 – 10,00 **Marco Rinaldi**, Auction-based task allocation for safe and energy efficient UAS parcel transportation

10,00 – 10,20 **Zoltán Szőke**, A SimPLE tool for UAV remote pilot training and testing

10,20 – 10,40 **Michaela Tirpáková**, Unmanned Aircraft Systems in support of disaster management

10,40 – 11,00 NETWORKING COFFEE BREAK

11,00 – 11,20 **Wen-Chun Tseng**, Where is the potential market for Taiwanese carriers to launch new direct flight services in Europe?

11,20 – 11,40 **Darren Ellis**, A comparative strategic analysis of China Airlines and EVA Air

11,40 – 12,00 **Chantal Roucolle**, Substitution path between air and rail in Europe: a measure of demand drivers

12,00 – 12,20 **Rafael Mortensen Ernits**, Inflight catering services – A comparison of central and decentral galleys inside the aircraft cabin

12,40 – 12,40 **Semih Soran**, The Impact of Leadership Styles on Performance and Mediating Effect of Organizational Culture: A Study in Flight Schools

12,40 - 13,30 SHORT PRESENTATION/POSTER SESSION

Robert O. Walton, Obstacles to implementation of Additive Manufacturing in the Aviation Industry

Jan Stádník, Comparison of Methods for the Safety Evaluation of UAS Operation

Kamila Rybenská, Adapting Connectivity Measure for Business Aviation – COVID-19 Case Study

Jozef Novotňák, Possible Utilization of Low Frequency Magnetic Fields in Short Range Multirotor UAV Detection System

Martin Fil'ko, Manufacturing of the Positioning Fixtures for the Security Sensors Using 3D Printing

Eva Milerová, Systemic Safety Evaluation of U-space Concept

Iveta Kameníková, Application of the single-engine taxi-out procedure for commercial transport, focusing on the Airbus A320 fleet

Patrik Kašper, Analytical Estimation of the Energy Provided by the Battery-Based Photovoltaic Power Supply

Liana Karapetjan, Implementation of a vestibular illusion simulator into IR training

Max Chopart, System-Theoretic Process Analysis for reliability assessment: Aircraft's wheel braking system case study

Oldřich Štumbauer, Systemic approach to an airport incident investigation

Michaela Macurová, Connectivity of the European air transport network during the Covid-19 pandemic

Darren Ellis, IMHOTEP: Enabling seamless door-to-door journeys through cross-stakeholder data sharing and management decision; support tools

Libor Kurzweil, Development of safety at Prague Airport during the pandemic

Michal Hrůz, Investigation of Vortex Structure Behaviour Induced by Different Drag Reduction Devices in the Near Field

Filip Škultéty, Unmanned Aircraft Systems on the Up: The Comparison between UK and US Drone Safety Issues

Kristína Šajbanová, Analysis of Unmanned Aircrafts Operation Management in the Context of Legislation and Software Equipment

Michal Janovec, Using unmanned aerial vehicles during the search of people buried in an avalanche

Kristína Kováčiková, Smart parking as a part of Smart airport concept

Miriam Jarošová, Aviation and Climate Change

Brodziak Adam, Byra Mateusz, Comparative analysis of experimental testing of a rotorcraft model

Bondyra Agnieszka, Czyż Bartłomiej, Analysis of selected aerospace materials in relation to the preparation of test specimens

Dalczyński Bartosz, Fatyga Maciej, Analysis of composite properties during tensile tests

Gomółka Piotr, Kasperek Maciej, Analysis of strength parameters of composite

Komińczyk Wioleta, Koncewicz Jakub, Preliminary design of a mobile wind tunnel fuselage for teaching purposes

Staporek Krzysztof, Szczepaniak Jakub, Development of preliminary geometry of the tail rotor propeller mechanism system of the rotorcraft

Wolski Robert, Wójcik Paweł, Experimental study of the aerodynamic characteristics of the fixed-wing aircraft

Demczuk Karolina, Obuchowicz Kacper, Preliminary design of the rotorcraft control system

Tomasz Łusiak, Preliminary rotorcraft propeller shaft calculations

13,30 – 14,30 LUNCH BREAK