## CONFERENCE PROGRAMME

**University of Zilina, Slovakia**

### WEDNESDAY – 4 NOVEMBER 2020 – DAY 1

**09,00 – 09,10**  Anna Tomová, opening speech

### SESSION I:

**09,10 – 09,30**  **Keynote Speaker:** Antonín Kazda  
*Business continuity during pandemics – lessons learned about airport personnel*

**09,30 – 09,50**  Darren Ellis, *Developing a strategic framework of analysis for air transport management*

**09,50 – 10,10**  Sven Maertens, *The development of transfer passenger volumes and shares at airport and world region levels*

**10,10 – 10,30**  Wolfgang Grimme, *The prospects of hybrid-electric regional air transport - an assessment of travel time benefits of domestic short-haul flights in Germany with 19-seater aircraft*

**10,30 – 10,50**  Stephan Bingemer, *An analysis of the prospects of ultra-long-haul airline operations using passenger demand data*

**10,50 – 11,10**  Martin Kála, *Contrail formation assessment based on aerological data*

**11,10 – 11,30**  BREAK

### SESSION II:

**11,30 – 11,50**  **Keynote Speaker:** Michael Tmej  
*Will Regional Airports in Europe survive the challenge of COVID-19 pandemic and what could the aftermath look like?*

**11,50 – 12,10**  Matija Bračić, *Analysis of Recommended Measures on Airport Terminal Traffic Flows in the Conditions of the COVID-19 Pandemic*

**12,10 – 12,30**  Miroslav Špák, *Enhancement of the diversion airport selection methodology*

**12,30 – 12,50**  Karol Senrád, *Statistical prediction models of impact damage of airport conveyor belts*

**12,50 – 13,10**  Katarína Draganová, *Innovative analysis of the physical-mechanical properties of airport conveyor belts*

**13,10 – 14,00**  LUNCH BREAK

### SESSION III:

**14,00 – 14,20**  **Keynote speaker:** Keith Mason  
*Six things that Covid-19 has not changed in the air transport industry, and the structural changes that will occur because of it*

**14,20 – 14,40**  Janina Scheelhaase, *How to improve the global ‘Carbon Offsetting and Reduction Scheme for International Aviation’ (CORSIA)?*

**14,40 – 15,00**  Sébastien Lán, *Contrail formation assessment based on aerological data*

**15,00 – 15,20**  Clive Aquilina-Spagnol, *Viewing the Middle East big three (MEB3) as heterogeneous*

**15,20 – 15,40**  Davor Franjkovic, *Calculation of Airplane Wake Turbulence Re-Categorisation Effects*

**15,40 – 16,00**  Tereza Topková, *Extension of Alternative Navigation Solutions Using Multi-Hop Routing*

**16,00 – 16,15**  Vladimir Socha, *Workload assessment of air traffic controllers*

**16,15 – 16,30**  Vladimir Socha, *Effect of Psychological Training on Pilot’s Performance*
THURSDAY – 5 NOVEMBER 2020 – DAY 2

SESSION IV:
09,00 – 09,20  Damian Olejniczak, Model identifying the conditions conducive wing airfoil icing process on the basis of aircraft flight parameters
09,20 – 09,40  Igor Kabashkin, Reliability of Software Applications in Integrated Modular Avionics
09,40 – 10,00  Tomasz Lusiak, Aerodynamic analysis of the aircraft model made with the 3D printing method
10,00 – 10,20  Michal Hrůz, Innovative changes in maintenance strategies of ATO’s aircraft based on their operational status
10,20 – 10,40  Jozef Čerňan, The stress analysis of air turbine driven propeller blade
10,40 – 11,00  Ján Labun, Analysis of the Earth’s Surface Influence On the Accuracy of ADF Alignment

11,00 – 11,20  BREAK

11,20 – 11,50  Keynote speaker: Radosav Jovanović
  Coordinated capacity and demand management for the European ATM: lessons from the COCTA project and a way forward
11,50 – 12,10  Jakub Kraus, Social, technological and systemic issues of spreading the use of drones
12,10 – 12,30  Tobias Koch, Identification of application fields for electrical propulsion techniques and personal aerial vehicles
12,30 – 12,50  Anna Konert, U-space – Civil Liability for damages caused by Unmanned Aircraft
12,50 – 13,00  Viliam Ažaltovič, The Correctness and Reaction Time of Piloting the Unmanned Aerial Vehicle
13,00 – 13,20  Andrej Lališ, Ontology-based reliability analysis of aircraft engine lubrication system
13,20 – 13,50  Robert Walton, A Textual Analysis of Dangerous Goods Incidents on Aircraft

SESSION V:  POSTER SESSION
13,50 – 14,15  Iveta Škvareková, Number of Saccades and Fixation duration as Indicators of Pilot Workload
  Benedikt Badánik, Airline on-time performance management
  Andrej Novák, Use of Unmanned Aerial Vehicles in Aircraft Maintenance
  Filip Škultéty, Real time light-sport aircraft tracking using SRD860 band
  Pavol Pecho, Design of air circuit disinfection against COVID-19 in the conditions of airliners
  Mateusz Nowak, Adaptation of the LTO test to the local airports infrastructure
  Marta Maciejwska, The impact of physical activity on the pilot’s psychophysical state during the flight
  Matúš Materna, Reflection of commercialization in organizational and ownership structure of DFS

14,15 – 14,20  Closing words

INAIR 2021
SEE YOU IN MALTA (hopefully 😊)
3 – 4 NOVEMBER 2021