

CONFERENCE SCHEDULE

8th April 2025

Up to 10:00 – Participant registration

10:00 – 10:30 – Opening Ceremony, Welcome of Guests and Partners, Guest Speeches
(Auditorium 0.55)

10:30 – 12:00

Session I – Industry Presentations (15 minutes each)

Session Chairman: Prof. Mirosław Siergiejczyk

- 1. Marcin Wilkowski**, Director of the Air Traffic Control Office at PANSА
- 2. Adam Machnicki**, Deputy Director for Safety Management at PANSА
- 3. Dominik Zgieb**, Dawid Seredyn, Dominika Mierzejewska, PPL S.A. – Support for Operational Services at Chopin Airport – Airport GTS
- 4. Wiktor Radoń**, Managing Director for Technical Operations at PLL LOT
- 5. Michał Kania**, Director of the Warsaw, Modlin, Radom Branch, Welcome Airport Services
- 6. Wiktoria Mamos**, Head of Civil Aviation Security at Silver Cargo

12:00 – 12:30 – Coffee Break

12:30 – 14:00 – Session II – Industry Presentations (12 minutes each)

Session Chairman: Prof. Marek Grzegorzewski

- 1. Michał Skakuj, PhD (Ekoaviation), Janusz Ćwiklak, PhD, Dsc LAW (LAW) – 10 Years of the Wildlife Hazard Management Program in Aviation of the Polish Armed Forces**
- 2. Julita Gnatkowska, Mirosław Sobczak (PPL S.A.) – Hazards Related to Bird Strikes and Methods of Mitigation**
- 3. Mariusz Krzyżanowski, PhD (PANSА) – Opportunities and Challenges Related to the Use of ML and AI for the Development of a Modern Safety Management System (SMS)**
- 4. Monika Kot-Karpińska (AP-Tech) – Fewer Screens, More Control: The Era of Integrated Airport Systems**
- 5. Przemysław Kot (CPK) – Building the Future – The Role of Education in Shaping Aviation Industry Professionals**
- 6. Katarzyna Kołodziejska (ZDZ in Kielce) – Operation of the Industry Skills Center for Airport Services in the Field of Airport and Terminal Operations (BCUSL), Implementing the Concept of Centers of Professional Excellence (CoVEs)**
- 7. Presentation by the Student’s Aviation Transport Science Club**

14:00 – 15:00 – Lunch Break

15:00 – 16:30 – Session III – Panel Discussion on “The Future of Aviation – Challenges and Workforce Development”

Moderator: Marcin Hadaj, PANSA President's Representative for External and Internal Communication, Press Spokesperson

1. **Karina Sudomir-Bona**, Director of the HR Office at PANSA
2. **Dominik Zgieb**, Director of the Aviation Operations Safety Office at PPL S.A.
3. **Facon Sławomir**, Deputy Director of the Human Resources Management Office at PLL LOT
4. **Radosław Żuk**, Vice President of Welcome Airport Services
5. **Magdalena Podgórska**, Head of the Instructors Team at SilverCargo
6. **Przemysław Kot**, Central Communication Port (CPK)
7. **Ewelina Mordarska**, Director of the Warsaw Handling Branch at LS Airport Services S.A.

17:00 – 21:30

Integration Dinner Combined with a Lecture on the 200th Anniversary of the Warsaw University of Technology and an Exhibition of Postcards, Photographs, and Artifacts from Sylwester Gładys, PhD Collection.

Venue: Old Boiler House Building of the Faculty of Electrical Engineering, Room 4

9th April 2025

9:00 – 11:00 – Poster Session

1. **Krzysztof Bojski, Piotr Dmochowski (PANS), Anna Kwasiborska, Sylwester Gładys**
– *Application of the TOPSIS Multi-Criteria Method for Allocating Slots to Aircraft*
2. **Krzysztof Bojski, Karolina Krzykowska-Piotrowska**
– *A-SMGCS System Implementation Project at the Warsaw Modlin Airport*
3. **Arkadiusz Bylica, Anton Pashkevich**
– *Analysis of Aircraft Taxiing Speeds at John Paul II Kraków-Balice International Airport*
4. **Klaudia Cybulska-Gac, Kamil Krasuski, Adam Ciećko**
– *Assessment of the Quality of Galileo Satellite Positioning in Air Transport*
5. **Piotr Dmochowski (PANS), Jacek Skorupski**
– *Model for Simulation-Based Analysis of Air Traffic Control Sectors Capacity Balancing*
6. **Julia Drzewaszewska, Anna Stelmach**
– *Analysis of Aircraft Load Factor in Domestic Air Connections*
7. **Agnieszka Fortońska**
– *Legal Aspects of Aviation Accident Investigation*
8. **Agnieszka Fortońska**
– *EASA and European Union Activities in the Field of Environmental Protection*
9. **Marta Jacalska**
– *Risk Assessment of Threats to LPR Helicopter Flights*
10. **Olga Karaś, Kacper Szymański**
– *Analysis of Demand for Business Air Travel in the Context of Regional Development in Poland*
11. **Bernard Kosturbiec, Anna Kwasiborska, Paulina Owczarek**
– *Automation of Cargo Handling: The Example of Warsaw Chopin Airport*
12. **Bernard Kosturbiec, Anna Kwasiborska, Paulina Owczarek**
– *Application of Multi-Criteria Methods to Assess the Cargo Handling Process in an Airport Warehouse*
13. **Wiktoria Kruszewska, Anna Stelmach**
– *Model Studies on Monitoring the PAPI System Using Unmanned Aerial Vehicles*
14. **Dominika Marzec**
– *Artificial Intelligence and Aviation Safety*
15. **Piotr Miduch, Kamil Krasuski, Adam Ciećko**
– *Application of the Kalman Filter in the Accuracy Analysis of GPS+UK SBAS Positioning in Aerial Navigation*
16. **Piotr Miduch, Kamil Krasuski, Adam Ciećko, Marta Żukowska, Marek Grzegorzewski**
– *Application of the Kalman Filter in the Accuracy Analysis of GPS+UK SBAS Positioning in Aerial Navigation*
17. **Magda Mroziak, Katarzyna Brzeska, Iga Przytuła, Mateusz Urzędowski, Oliwia Bubeł, Oliwia Ochman, Kacper Żurawa, Jakub Pełka, Mateusz Roździński**
– *Influence of Selected External and Internal Factors on the Accuracy and Precision of Flight Operations*

18. Kamila Opilo, Anton Pashkevich

– Analysis of Passenger Service Time in View of IATA Standards: The Example of John Paul II Kraków-Balice International Airport

19. Tomasz Podolak, Anna Stelmach

– The Concept of the Global Supply Chain in the Context of Air Freight Transportation, Considering the Logistics Hub at CPK

20. Miłosz Sawicki, Grzegorz Fotyga, Michał Skakuj

– Application of Bird Detection by Radars in Civil and Military Aviation

21. Piotr Szalas, Sylwester Gładys, Zbigniew Kasprzyk

– Environmental Costs of Aviation in the Context of Emissions Reductions

22. Wiktor Wolański, Anna Stelmach

– Proposal for Increasing the Operational Capabilities of the Mazovian Warsaw-Modlin Airport

11:00 – 11:30-Coffee Break

11:30 – 12:30 — Plenary Session – (15 minutes per presentation)

Session Chairperson: Prof. Sanja Steiner (on-line)

1. Matej Soldo Jocić, Zvonimir Rezo, Sanja Steiner

Horizontal Flight (in)Efficiency: A Review of Benefits, Challenges and Implementation Considerations

2. Zvonimir Rezo, Sanja Steiner (online)

Scaling Up Sampling and Meteorological Data Update Frequency: Evidence from the Aviation Industry

3. Tomo Bagarić, Zvonimir Rezo, Sanja Steiner, Tomislav Josip Mlinarić (online)

Impact on Air Navigation Services by Intentional Interference with GPS Signaling

4. Qanbari Amirmohammad, Jacek Skorupski

Data-Driven Civil Aviation: From Prediction to Optimization

12:30 – 13:00 – Conference Summary and Closing

During the conference, industry partner booths will be on display. In addition, innovative air transport solutions will be presented, including a VR-based passenger security screening simulator, a walking robot, and solutions from the BSP laboratory.