

ICAO 



AI IN THE SKY

A UNIFIED APPROACH WITH ICAO

12 — 14 November 2024
Antalya, Türkiye

PROGRAMME AND DIRECTORY



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DAY 1 – Tuesday, 12 November 2024

09:00-10:00	Registration of Delegates
10:00-10:05	Keynote address by Mr. Mehmet Tefvik Nane, Chairman of Pegasus Airlines
10:05-10:10	Welcome remarks by Prof. Dr.Kemal Yüksek, Director General, Turkish DGCA
10:10-10:20	Opening speech by Mr. Juan Carlos Salazar, ICAO Secretary General
10:20-10:50	Speech by Mr. Abdulkadir Uraloğlu, Minister of Transport and Infrastructure, Türkiye
10:50-11:15	Tea/Coffee Break, Skytalks
11:15-12:00	<p>Session 1 Artificial intelligence and Big Data impacts on aviation</p> <ul style="list-style-type: none">- Overview of AI technologies, their current role and future impacts on the aviation industry- The use of AI for data-driven decisions in the aviation value chain- Setting the scene on the importance of AI in the future of aviation to improve economic efficiency, safety, security and mitigation of environmental impact <p>Participants:</p> <ul style="list-style-type: none">- Mr. Mohamed Rahma, Director, Air Transport Bureau, ICAO- Ms. Michele Merkle, Director, Air Navigation Bureau, ICAO
12:00-13:00	<p>Session 2 Policy-making and regulatory considerations in the age of Artificial Intelligence</p> <ul style="list-style-type: none">• Need of regulatory framework and AI Governance to address concerns of the industry• Establishing a Global Coordinated AI Governance• Use of the AI in aviation and questions of decision-making in critical situations, and the emerging need of global standards and regulation <p>Moderated by:</p> <ul style="list-style-type: none">- Mr. Sanya Dehinde, Chief of Information and Communication Technology, ICAO <p>Panelists:</p> <ul style="list-style-type: none">- Mr. Christian Schleifer, Representative of Austria to the Council, Chair of the Small Group on Innovation- Mr. Mohamed Rahma, Director, Air Transport Bureau, ICAO- Ms. Michele Merkle, Director, Air Navigation Bureau, ICAO- Mr. James Bell, Innovation Strategy Lead, UK Civil Aviation Authority- Mr. Feyzullah Çınar, Deputy Director General, Turkish DGCA



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13:00-14:00	Lunch Skytalks by Mr. Server Aydin, Chief Commercial Officer, IGA Istanbul Airport
14:00-15:00	Session 3 Policy-making and regulatory considerations in the age of Artificial Intelligence <ul style="list-style-type: none">• Need of regulatory framework and AI Governance to address concerns of the industry• Establishing a Global Coordinated AI Governance• Use of the AI in aviation and questions of decision-making in critical situations, and the emerging need of global standards and regulation (continued of session 2) Moderated by: <ul style="list-style-type: none">- Mr. Sainarayan A, Chief Aviation Data and Analysis, ICAO Panelists: <ul style="list-style-type: none">- Mr. James Bell, Innovation Strategy Lead, UK Civil Aviation Authority- Ms. Sophie Ray, Emerging Technologies Unit, Civil Aviation Authority of New Zealand- Mr. James McDonald, Director Travel Transformation, WTTC- Mr. Prakash Vaidyanathan, Deputy Director, Solution Center and Support, UNICEF
15:00-15:30	Tea/Coffee Break Skytalks by Ms. Belma Sipka, Senior Product Manager, Hitit CS
15:30-16:30	Session 4 AI solutions for the aviation industry: Operational Efficiency <p>This session focus in advancements in AI and big data to enhance operational efficiencies of airlines to optimize flight schedules in real time, track aircraft movement, minimize disruptions, optimize the utilization of ground handling and airport infrastructure resources.</p> Moderated by Ms. Michele Merkle, Director, Air Navigation Bureau, ICAO <ul style="list-style-type: none">- Mr. Mustafa Egilmezbilek, CIO, SunExpress Airlines- Mr. Mehmet Keyvan, CEO, Kevyan Aviation- Ms. Belma Sipka, Senior Product Manager, Hitit CS- Mr. Talha Koç, Product and Solution Management Coordinator, TAV Technologies- Mr. Benjamin Cramet, NM Lab and AI Innovation, EUROCONTROL- Mr. Yves de Wandeler, Aviation Intelligence Unit, EUROCONTROL

DAY 2 – Wednesday, 13 November 2024





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9:00-09:30	Morning Coffee, Skytalks
9:30-11:00	Session 5 The Future of Aviation: Advancements in Training and Innovative Models <i>Presentations about Corporate Transformation Model (KDM), CTM, Drone Program, and Mania System</i> <ul style="list-style-type: none">- <i>Ms. Dilek Ergüven, Coordinator of Education Department, Turkish DGCA</i>- <i>Mr. Faruk Güney, Computer Engineer, Turkish DGCA</i>- <i>Mr. Burak Kof, Aviation expert and Inspector, Turkish DGCA</i>
11:00-11:30	Tea/Coffee Break, Skytalks
11:30-12:30	Session 6 Processing Big Data with AI Algorithms <p>The processing of big data comes with the use of AI and presents unique challenges in the selection of appropriate cloud infrastructure to make optimal use of big data and AI based solutions. This segment will deal with the various cloud computing environments available to the aviation industry to leverage big data.</p> <i>Presentations</i> <ul style="list-style-type: none">- <i>Mr. Sanya Dehinde, Chief of Information and Communication Technology, ICAO</i>- <i>Mr. Prakash Vaidyanathan, Deputy Director, Solution Center and Support, UNICEF</i>- <i>Mr. Sainarayan A, Chief Aviation Data and Analysis, ICAO</i>- <i>Mr. Ivo Naranjo, Senior Data Scientist, IATA</i>- <i>Mr. Adrian Fernandez Lopez, Data Modeler, IATA</i>
12:30-14:00	Lunch Skytalks by Mr. Caner Gumus, Data and AI Product Manager, SOFTTECH
14:00-15:00	Session 7 AI solutions for the aviation industry: CRM and passenger experience <p>During this session, industry will be discussing AI and the passenger experience from the airlines' and airports' perspective. Example of discussion is the personalization of the passenger experience in their interactions with airlines and airports.</p> <i>Moderated by: Mr. James McDonald, Director Travel Transformation, WTTC</i> <ul style="list-style-type: none">- <i>Mr. Alp Er Tunga Ersoy, CEO, Sabiha Gökçen International Airport</i>- <i>Mr. Emin Erdevir, Commercial Solutions Director, Pegasus Airlines</i>- <i>Mr. Caner Gumus, Data and AI Product Manager, SOFTTECH</i>- <i>Mr. Özal Mehmeti, Product Manager, Hitit CS</i>- <i>Mr.Orkun Özkan, Commercial Director, Enuygun</i>



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15:00-16:00	<p>Session 8</p> <ul style="list-style-type: none"> • Presentation by Aviation Administration of Kazakhstan <ul style="list-style-type: none"> - <i>Mr. Zhanat Abdugalimov, Senior Director on Safety Management, Strategy and Compliance, AAK presenting about “AI perspectives in Kazakhstan civil aviation”.</i> • Collaboration with other international organizations <ul style="list-style-type: none"> - <i>Mr. James McDonald, Director Travel Transformation, WTTC</i> • Presentation by Air Canada <ul style="list-style-type: none"> - <i>Ms. Cecilia Chen, Manager, AI Transformation, Air Canada, presenting about “Establishing a resilient flight schedule to accurately predict On-Time-Performance (OTP)”</i> • Presentation by ICAO <ul style="list-style-type: none"> - <i>Ms. Nevin Murad, Aviation Analysis Officer, ICAO presenting about “Horizon Scanning on iSTARS 4.0 Innovation Portal”</i>
16:00-16:30	<p>Tea/Coffee Break Skytalks by Mr. Murat Yılmaz, Director of Data and Artificial Intelligence at Turkish Technology</p>

DAY 3 – Thursday, 14 November 2024

09:30-11:00	<p>Session 9 Experience of States and academia in the use of Innovative technology, big data, AI, business intelligence and other data solutions. Member States and academia will relate on their experience developing big data and AI solutions for informed policy making and aviation training solutions.</p> <p>Presentations:</p> <ul style="list-style-type: none"> - <i>Mr. James Bell, Innovation Strategy Lead, UK Civil Aviation Authority</i> - <i>Ms. Sophie Ray, Emerging Technologies Unit, Civil Aviation Authority of New Zealand</i> - <i>Mr. José Humberto Borges Junior, Data Specialist, ANAC Brazil</i> - <i>Dr. Bahtiyar Eren, Estonian Aviation Academy, presenting about “The Use of AI in Aeronautical Decision Making”</i>
11:00-11:30	<p>Tea/Coffee Break, sponsors, Skytalks</p>
11:30-12:30	<p>Session 10 AI solutions for the aviation industry: Aviation safety and aircraft maintenance</p>





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	<p>This session will present the AI innovations for aviation safety and aircraft maintenance operations. The presentations will provide insights on how AI is being integrated to aviation maintenance, from predictive maintenance to real-time data analysis. AI can be integrated at various steps of the maintenance cycle, from documents and human resources planning, trainings, data and performance analysis.</p> <p>Presentations</p> <ul style="list-style-type: none">- Mr. Anirudh Vyas, Future Safety Specialist, UK Civil Aviation Authority- Ms. Nevin Murad, Aviation Analysis Officer, ICAO presenting about “Integrated Safety Trend Analysis and reporting System”- Mr. Ramon Tarrech, Director Indra Air Traffic Strategy and Innovation, Indra- Mr. Achref Riahi, Business Development Manager, ARGOSAI- Mr. Samir Sleem, Commercial and Operations Lead, Oreyeon
<p>12:30-13:00</p>	<p>Session 11 ICAO Aviation Data Solutions and Forecasts for industry and civil aviation authorities</p> <p>ICAO will present its set of aviation data intelligence analytics leveraging big data, AI and visualization techniques.</p> <p>Presented by ICAO</p> <ul style="list-style-type: none">- Mr. Antonin Combes, Aviation Analysis Officer, ICAO- Mr. Behzad Taghipour, Aviation Analysis Officer, ICAO
<p>13:00-14:00</p>	<p>Wrap-up, lunch and Skytalks</p>

*Tentative programme: themes, speakers, dates, and times may be changed.

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