

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	
09:00-09:30	Registration of Delegates
09:30-10:00	Welcome remarks by Turkish DGCA
10:00-10:15	Opening speech by ICAO Secretary General
10:15-11:00	<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><i>Participants: ICAO</i></p> <ul style="list-style-type: none"> - <i>Mr Mohamed Rahma, Director, Air Transport Bureau, ICAO</i>
11:00-11:30	Tea/Coffee Break, Skytalks
11:30-12:30	<p>Session 2 Policy-making and regulatory considerations in the age of Artificial Intelligence</p> <ul style="list-style-type: none"> • The lack of regulatory framework and the need of AI Governance to address concerns of the industry • Establishing a Global Coordinated AI Governance • Use of the AI in aviation and questions of data privacy, decision-making in critical situations, and the emerging need of global standards and regulation <p><i>Participants: ICAO, UN, IATA, ACI, Industry, Academia and International Organizations</i></p> <ul style="list-style-type: none"> - <i>Mr Christian Schleifer, Representative of Austria to the Council, Chair of the Small Group on Innovation</i> - <i>Mr Mohamed Rahma, Director, Air Transport Bureau, ICAO</i> - <i>Ms Michele Merkle, Director, Air Navigation Bureau, ICAO</i> - <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>IATA speaker</i>
12:30-14:00	Lunch, Sponsors, Skytalks
14:00-15:00	<p>Session 3 Policy-making and regulatory considerations in the age of Artificial Intelligence (continued)</p>



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15:00-15:30	Tea/Coffee Break, Skytalks
15:30–16:30	<p>Session 4</p> <p>The Future of Aviation: Advancements in Training and Innovative Models [more details to come]</p> <p><i>Presented by the Turkish DGCA</i></p>

DAY 2 – Wednesday, 13 November 2024

9:30-10:00	Morning Coffee, Skytalks
10:00-11:00	<p>Session 5</p> <p>AI solutions for the aviation industry: Operational Efficiency</p> <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> <p><i>Participants: States, ICAO, ACI, IATA and solution providers</i></p> <p><i>Moderated by Ms Michele Merkle, Director, Air Navigation Bureau, ICAO</i></p> <ul style="list-style-type: none"> - <i>Mr Mustafa Egilmezbilek, CIO, SunExpress Airlines</i> - <i>Mr Mehmet Keyvan, CEO, Kevyan Aviation</i> - <i>Ms Belma Sipka, Senior Product Manager, Hitit CS</i> - <i>Mr Gokhan Koc, R&D Manager, Tav Technologies</i>
11:00-11:30	Tea/Coffee Break, Skytalks
11:30-12:30	<p>Session 6</p> <p>Processing Big Data with AI Algorithms</p> <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> <p><i>Participants: States, ICAO, ACI, IATA and solution providers</i></p> <ul style="list-style-type: none"> - <i>Mr Ivo Naranjo, Senior Data Scientist, IATA</i> - <i>Mr Adrian Fernandez Lopez, Data Modeler, IATA</i>
12:30-14:00	Lunch, Sponsors, Skytalks



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14:00-15:00	<p>Session 7</p> <p>AI solutions for the aviation industry: CRM and passenger experience</p> <p>During this session, industry will be discussing AI and the passenger experience from the airlines' perspective. Example of discussion is the personalization of the passenger experience in their interactions with airlines and airports.</p> <p><i>Participants: IATA, airlines, solution providers, ICAO and States</i></p> <ul style="list-style-type: none">- Mr. Alp Er Tunga Ersoy, CEO, Sabiha Gökçen International Airport- Mr Baris Findik, CIO, Pegasus Airlines- Mr Caner Gumus, Data and AI Product Manager, SOFTTECH- Mr. Özal Mehmeti - Product Manager, Hitit CS
15:00-16:00	<p>Session 8</p> <ul style="list-style-type: none">• Collaboration with other international organizations,• On-going work at the ICAO Council on AI• Presentation of ICAO data tools for safety monitoring and analysis (iSTARS..) <p><i>[more details to come]</i></p> <ul style="list-style-type: none">- Ms Nevin Murad, Aviation Analysis Officer, ICAO- Representative of UPU
16:00-16:30	<p>Tea/Coffee Break, Skytalks</p>



DAY 3 – Thursday, 14 November 2024

<p>09:30-11:00</p>	<p>Session 9 Experience of States in the use of Innovative technology, big data, AI, business intelligence and other data solutions. Member States will relate on their experience developing big data and AI solutions for informed policy making.</p> <p><i>Presentations by States</i></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>Saudi Arabia</i> - <i>United Arab Emirates</i> - <i>Brazil</i>
<p>11:00-11:30</p>	<p>Tea/Coffee Break, sponsors, Skytalks</p>
<p>11:30-12:30</p>	<p>Session 10 AI solutions for the aviation industry: Aviation safety and aircraft maintenance 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><i>Presentations by Industry, Regulators and other solution providers</i></p> <ul style="list-style-type: none"> - <i>Mr Merih Alphan Karadeniz, CEO, ARGOSAI</i>
<p>12:30-13:00</p>	<p>Session 11 ICAO Aviation Data Solutions and Forecasts for industry and civil aviation authorities ICAO will present its set of aviation data intelligence analytics leveraging big data, AI and visualization techniques.</p> <p><i>Presented by ICAO</i></p>
<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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