



AAM 2024

ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM

9 — 12 September 2024

ICAO Headquarters, Montréal, Canada



Event Sponsor



Airline Sponsor



In collaboration with





AAM 2024 ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM

Symposium Wrap-up

Mr. Pascal Luciani

Deputy Director, Air Navigation and Aviation Safety

ICAO Air Navigation Bureau



Keynotes and Inspirational Sessions

Keynotes

- His Excellency Abdulaziz Bin Abdullah Al Duailej, President of the General Authority of Civil Aviation (GACA), Kingdom of Saudi Arabia
- H.E. Prosper Higiro, High Commissioner of the Republic of Rwanda in Canada and Representative to ICAO
- Mr. Todd Graetz, Co-Founder, Aerolane and BNSF UAS Program, BNSF Railway
- His Excellency Kwaku Ofori Asiamah, Minister, Ministry of Transport, Ghana
- Mr. Dan Sloat, Founder and President, Advanced Air Mobility Institute
- Mr. Bryce Jones, Chief Executive Officer, Flashforest

Inspirational Speakers – Why AAM is Important ?

- Chief Ralph Cattleman, from the Montana First Nation
- Dr. Thomas Muyombo, from the Rwanda Biomedical Center
- Mr. Vignesh Santhanam, from the World Economic Forum
- Ms. Brie O’Sullivan, a Ph D Candidate and Policy Analyst



Panels, Sessions and Presentations

Setting the Stage

Let's Make Room for AAM

- How will regulators and other stakeholders work together to realize the opportunities for safe and efficient integration of new and conventional aviation.

Welcome to the World of eVTOL Operations

- What will the various eVTOL operations look like

How will AAM help make peoples lives better

For the Benefit of All – UN Sustainable Development and AAM

- How AAM can support the UN goals

Global Needs – Leveraging AAM for Positive Human Outcomes

- SDGs as a framework for leveraging AAM, while ultimately improving human wellbeing

Environmental

- Sustainability throughout the aircraft lifecycle

Development of Harmonized Frameworks in Support of UN System Missions

- Partnering with other UN entities to develop harmonized UAS frameworks

AAM and Humanitarian Operations

- Integration of humanitarian operations into the AAM ecosystem

Infrastructure, Innovation and Information

Integration and Optimization of Infrastructure and Transportation Modes

- Integration into communities and the complex interdependencies between the various stakeholders

Infrastructure – A System of Systems Challenge

- Smart development will require careful and engaged planning and development

AAM Powered by Innovation

- Disruptions also imply important changes and adaptations for organizations

Information and Data Management

- Ensuring the right data get to the right users

Operations, Airspace and Risks

Airspace Design, Operating Rules, and Service Providers

- Interrelationships, interdependencies and trade-offs among these key building blocks

Holistic & Integrated Risk Management

- Understanding and assessing the full spectrum of risks...aviation and other domains

It's 11:00 O'clock, Do You Know Where Your Aircraft Are?

- Improved navigational accuracy and common reference systems are needed

Traffic Management, ATM, UTM, eTM, xTM

- Need to safely manage existing and future operation, including at scale

Airworthiness and Adapting to Technological Change

Airworthiness Considerations for AAM

- Variety of aircraft types and how can a “Fit for Purpose” approach help

Continuous AAM Safety Improvement

- Key steps for continuous improvement including the collection and sharing of data

Technological Change – Transformation or Adaptation?

- Variety of aircraft types and how can a “Fit for Purpose” approach help

The Human Aspect

Now Hiring – Staffing the New AAM Ecosystem

- Opportunities and challenges inherent in the development of the AAM workforce

The Human and AAM

- Evolution of the roles and responsibilities of the human

Autonomy and Automation

- The impact of greater levels of automation... procedures, regulations and eventually the human

Crosscutting Themes

Facilitation

- What will work and what will need to evolve

Legal Issues in AAM

- AAM legal landscape and potential Chicago Convention considerations.

The World of AAM Services and Economics

- Exploring the economics of AAM in terms of costs, benefits, job creation, growth, funding, fees, market access, etc.

AAM Security

- Many facets to consider when developing AAM security and addressing the inherent threats.



Workshops

Workshops

AAM Pillars of Impact

- Bridging the United Nations SDGs and fostering responsible development of new aviation services

Understanding Societal Acceptance of AAM

- Why and how AAM development aligns with societal values, community needs, sustainable solutions

Establishing our AAM Global Narrative

- Clear communications throughout. All stakeholders have a stake in the process

Workshops

Insurance and AAM

- An exchange on insurance considerations related to AAM

How can Academia and Research Organizations Help the Development of AAM?

- An exploration of collaborative opportunities between academic research and the AAM ecosystem

Human Factors

- Generate actionable insights for the development of safe and user-centric AAM systems



AAM International Call to Action

Calling for collaboration in key areas

- Understanding AAM
- Building AAM Infrastructure
- Supporting, governing and regulating AAM

Specific priorities

- Regulatory interoperability and adaptability, airspace integration, multilevel cooperation, and support for innovation

AAM 2024 ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM



AAM International Call to Action

Paving the Way for the Future of Aviation with Advanced Air Mobility



AAM 2024

ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM



Thank You!