



## The Global Air Traffic Management Conference & Exhibition

is coming to Dubai Airshow!



DWC, DUBAI AIRSHOW SITE, DUBAI, UAE  
GATM CONFERENCE DATES: 19 – 20 November 2019

### Conference Theme: Navigating the air traffic technology revolution

Back for its second year, GATM will discover the disruptive technologies which are revolutionising air traffic control and propel industry growth.

Join the world's most innovative airports as they discover how to improve collaboration with A-CDM. Connect with ANSP's who are ready to utilise new technology to improve safety and enhance flight paths. Learn how CAA's are keeping pace with new disruptions such as the recent drone disturbances and creating regulations to minimise delays.

GATM will welcome the entire ATM eco system who will be exploring innovative solutions to the capacity crisis and how to promote collaboration across the global ATC community.

#### Confirmed speakers

- Elliott Paige, Director, Air Service Development, Hartsfield-Jackson Atlanta International Airport
- Maggie Krakowinska, Operational Efficiency Manager – Tower Transformation, Heathrow Airport
- Jaroslaw Niewinski, Head Of Innovations, Polish Air Navigation Services Agency
- Jamie Ainsworth, Head of Safety, Virgin Atlantic
- Senior Representative, dans
- Asim Rizwan, Head ATM Planning & Performance, Abu Dhabi Airports
- Flora Wakolo, Chief Air Traffic Control Officer, Operations at Kenya Civil Aviation Authority
- Senior Representative, HungaroControl

#### Who should attend?

- Air Navigation Equipment
- Air Navigation Service Providers
- Airlines
- Airports
- Anti-drone service providers
- Apron lighting
- ATC Communication Equipment
- ATC Surveillance
- ATC Towers
- Civil Aviation Authorities
- Data management systems
- Management consultancies
- Security providers
- Training providers
- UTM Systems
- Weather forecast providers

Draft agenda, subject to change.

If you are interested in participating in the GATM conference as a speaker please get in touch with Jodie Fowler at [Jodie.fowler@dubai.aero](mailto:Jodie.fowler@dubai.aero)

**Conference Day One: Tuesday 19<sup>th</sup> November**  
**Capacity Management**

**10:00 Opening comments- moderator**

**10:10 Keynote presentation: Conquering the capacity crisis**

IATA suggest passenger numbers could double to 8.2 billion in 2037, how will we manage the global ATC growth?

**10:25 Panel: Transforming airspace**

- Redesigning airspace to enable more flight paths- what are the roadblocks to success?
- Addressing south – east England’s airspace modernisation strategy
- Implementing technology to reduce the distance between aircrafts, allowing simultaneous flights
- Increasing real time communications and ATC separation services
- Exploring free route airspace (FRA) to overcome efficiency and capacity challenges

**10:55 Diminishing drone disturbance**

- Creating a unified regulation and information sharing system
- Protecting your airports with sensors and discovering counter-drone technology
- Creating a globally harmonized traffic management system: balancing aviation safety and security while supporting developing UTM industry
- Heathrow case study: Raising awareness with UK’s Dronesafe and Dronecode guide

**11:15 Panel: Addressing the global shortage of qualified air traffic controllers**

- Promoting collaboration between ANSP’s to implement recruitment and training strategies to keep up with the anticipated growth
- Exploring advanced training stimulators as cost-effective ways to prepare and test air traffic controllers
- Utilising technology to make up the shortfall in human resourcing. AI, Machine learning & Automation

**11:45 Networking Break**

**12:00 Reserved for HungeroControl**

**12:20 Panel: Runway capacity and passenger flow management**

- Ensuring a competitive connected future by optimizing runway capacity
- Reducing Runway Occupancy Time with rapid exit taxiway (RET)
- Increasing your airport capacity with precise aircraft wake turbulence predictions
- Improving accuracy and predictions with Advanced Demand-Capacity
- Case study: London Heathrow Airport- the world’s first Optimised Runway Delivery system known as “enhanced Time Based Separation” (eTBS)

**12:50 Advancing ADS-B**

- Assessing the benefits of ADS-B; situational awareness and self-separation
- Upgrading and enhancing aviation infrastructure and operations
- How can ADS-B support the growing capacity crunch?
- Utilising ADS-B data to optimise your flight path

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### **13:20 Planning for the future: taking advantage of remote tower scalability**

- Enhancing tower operation and contingency planning
- Utilising object detection and tracking, information augmentation, to safely manage multiple airports
- Case study London City Airport

### **13:55 closing remarks**

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## **Day Two Wednesday 20<sup>th</sup> November**

### **Collaboration**

#### **10:00 Opening comments- moderator**

#### **10:10 Keynote presentation:**

#### **10:25 Panel: Securing aviation's future with ATC regulation**

- Aligning and maintaining global standards to ensure safe, efficient and sustainable flights
- How ANSP's can help capacity constrained airports
- Promoting the power of competition
- Maximising the benefits of air transport with policies to promote air travel
- Case Study: Single Africa Air Transport Market Travel (SAATM)

#### **10:55 Shaping the future of disruption management**

- Accurately predicting weather forecasts to estimate the impact on ATC
- Landing with zero visibility: Upgrading your runways with Instrument Landing System (ILS)
- Creating a contingency plan to manage delays and cancellations
- Predicting disturbances and lessening the damage with innovate technology and collaboration
- Minimising loss of radio and radar signals with collaborative data

#### **11:15 Panel: Transforming aviation with Airport Collaborative Decision Making**

- Assessing the steps to success: optimising your airport and airspace capacity
- Reducing push-back delays, shortening taxi-out times and utilisation of ground handling resources
- How airports are saving 250,000 minutes of flow management delay with A-CDM
- Open communication exchange: Understanding the importance data sharing between stakeholders

#### **11:45 Networking break**

#### **12:00 Panel The evolution of Air Traffic Flow Management (ATFM)**

- How to collaborate with different system capabilities: bridging the gap between less technical countries.
- Exploring the benefits of long-range air traffic flow management (LR-ATFM)
- Enhancing ATM safety with integrated ATFM systems

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**12:30 Sharing the skies with autonomous vehicles: UBER and RTA interview**

- Avoiding autonomous collisions: collaborating with air traffic control
- Limiting disturbances by defining aerial routes
- Establishing an autonomous traffic management system

**12:50 Dans runway throughput case study: Creating high performing airport operations**

- Exploring future aircraft capabilities and airport configurations
- Wake turbulence separation optimisation
- Optimising traffic on single and multiple runways airports
- Increasing operational resilience during bad weather and reducing recovery times from major disruption

**13:25 Preparing for NextGen with PBN**

- Involving all stakeholders to address community PBN concerns when implementing
- Enhancing airspace capacity to meet the forecasted near-term air traffic demand
- Exploring the PBN *NAS Navigation Strategy*
- increasing predictability and reducing inefficiencies with satellite navigation

**13:55 Closing comments**