

IATA DRONESLAB

BANGKOK, THAILAND 9 - 10 OCTOBER 2018



This second edition of the IATA DronesLAB will be focused on the theme “Connect, Collaborate and Modernize”, the common theme of 2018 IATA Cargo events.

DAY 1: Tuesday 9 October 2018

09:00 – 10:30 Welcome Keynotes

Welcome & opening remarks

- Economic and social impacts of drones
- Improving regional connectivity in thin markets
- Driving collaborative innovation through experiments & research

10:30 - 11:00 Networking Break

11:00 – 12:10 Unmanned Cargo Aircraft

Several manufacturers are designing large and ultra-large unmanned cargo aircraft able to carry from 200 kg to 100 tons of cargo! Romaeris, Dronamics, Singular Aircraft, Cargoryon and Natilus presented their concept and vehicles last year at the 1st DronesLAB. Let's find out how they are progressing and what are other manufacturers doing!

Potential speakers from FIVmate, Sabrewing Aircraft Company Yates Electrospace Corporation, Boeing HorizonX, Airbus Aerial.

12:10 – 12:30 What about passenger drones?

Congested cities like Los Angeles, Dallas and Dubai are announcing plans and dates for their first flying taxis. Companies like Uber, Airbus, Ehang are working on designing the right vehicles, business models and working with regulators to make it happen. Don't miss this inspiring keynote presentation!

IATA DRONESLAB

BANGKOK, THAILAND 9 - 10 OCTOBER 2018



12:30 - 14:00 Networking Lunch

14:30 - 15:10 Safety first!

Safety is the industry's number one priority, and therefore the safe integration of drones into airspace is an industry priority. Join this session to learn about the on-going work to assess the risk of collision between an aircraft and a drone, and the mitigations that are being put in place. The session will touch on threats and how they can be addressed.

- Risks of collision
- Remote identification & tracking – a pre-requisite
- UAV pilot training
- The Chinese unmanned aircraft cloud
- Protecting airports from drones

15:10 - 15:30 Security equally critical

Protecting drones from cybersecurity risks is another important challenge since they can be targets for a cyber-attack themselves just as they risk being used as potential attack vectors.

15:35 - 16:00 Networking Break

16:00 - 17:30 UTM, ATM & Space Traffic Management

During this session, we will explore the concepts for future traffic management and the potential transformations in the aviation industry influenced by unmanned vehicles. Join this session to learn about how the industry is working together to safely and efficiently accommodate unmanned vehicles in airspace.

- How to engage policy makers?
- Are the National “drones councils” the right approach?
- Is what is happening in Africa transferable to other continents?

18:00 – 19:30 Welcome Reception

IATA DRONESLAB

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DAY 2: Wednesday 10 October 2018

09:00 – 10:30 Drones at airports

Unmanned vehicles could change how aircraft maintenance is conducted. Airports are also exploring the use of unmanned vehicles for bird or wildlife control, security surveillance, and inspection of their infrastructure. Learn how airlines and airports are taking advantage of emerging technologies and using robotics to enhance their operations and customer experience.

- **Lightning fast aircraft inspections**
- **Smart drones for bird & wildlife control and airport surveillance**
- **Unmanned ground vehicles operations**
- **Droneports** – should we design the standard droneport? How to integrate potentially millions of droneports into the transport system as a whole?

10:30 - 11:00 Networking Break

11:00 – 12:00 Drones for e-commerce

- **Cargo facilities inventory & sorting**
- **New vehicles serving direct e-commerce routes**
- **Parcel delivery**

12:00 – 12:30 Bringing e-commerce to rural China

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12:30 - 14:00 Networking Lunch

14:00 – 15:30 #Drones4Good

The interest for drone solutions for development and humanitarian initiatives is growing. Their use is not limited to search and rescue missions but includes mapping of affected areas, damage assessments, delivery of aid supplies, relay of Wi-Fi signals, etc.

Potential speakers from UAVisitors, World Food Program, Wings for Aid, MSF/Doctors Without Borders, Save the Children, GlobalMedic, Silent Eagle cargo drone

15:30 - 16:00 Networking Break

16:00 - 17:30 Innovating healthcare logistics with drones

Joint session with AirPharma Conference

Drones seem to offer great opportunities in the healthcare logistics domain: medicines, vaccines, blood can be sent to patients and health facilities no matter where they are. Unmanned aerial vehicle (UAV) can be the mean to deliver healthcare to patient or between healthcare centers

- **Delivering medical supplies in emergency situations**
- **Transforming B2B healthcare logistics**
- **Straight to patient!**