



# UAS IN DAILY LIFE

LONDON / 3 - 4 OCTOBER 2016



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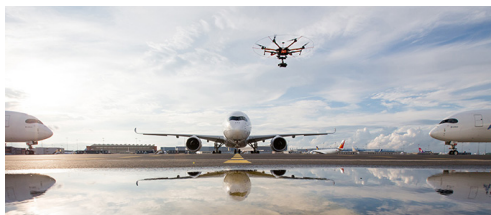
## UAS IN DAILY LIFE

The 2016 annual UAS conference will provide an update on the latest applications - exploring some of the more interesting and challenging uses.

This will be supported by a review of regulatory and technological progress towards Beyond Line of Sight operation for large and small, military and civil RPAS.

In addition the conference will provide update on UK Government activity including its near term plans and an introduction to some new enabling research and development activities including low level traffic management will be provided.

Keynote presentations will be made from UK Government, the ICAO RPAS panel, EASA, and Facebook, in addition to presentations on some of the major technology developments and applications taking place across the UAS sphere.



### VENUE

Royal Aeronautical Society  
No. 4 Hamilton Place  
London W1J 7BQ  
United Kingdom

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### REGISTRATION FEES: (include refreshments, lunch and access to conference proceedings)

	Fee £	VAT 20% £	Total £
<input type="checkbox"/> Non-Member	625.00	125.00	750.00
<input type="checkbox"/> RAeS Corporate Partner * (inc. Armed Forces)	525.00	105.00	630.00
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\*RAeS Corporate Partners are entitled to the special offer of five places for £2100.00 + VAT  
RAeS Student Affiliate Members may attend free of charge subject to availability.

# DAY ONE - THE CURRENT LANDSCAPE - 3 OCTOBER 2016

## 08:30 Registration and Refreshments

09:00 ► **WELCOME AND OPENING REMARKS**  
Anthony Henley MRAeS, Chairman,  
UAS Committee, Royal Aeronautical  
Society

## 09:10 KEYNOTE ADDRESSES OPPORTUNITIES AND THREATS

09:30 **COMMERCIAL APPLICATIONS**  
Martin Gomez, Director of  
Aeronautical Platforms, Facebook

09:50 **NATS - AIRSPACE**  
Phil Binks, Defence ATC Strategy Lead,  
NATS

## 10:10 EUROPEAN UPDATE

10:30 **ICAO UPDATE**  
Mike Gadd, Chairman, ICAO RPAS

## 10:50 Networking Refreshments Sponsor



## ► SESSION 1: APPLICATIONS - NOW AND THE FUTURE

11:20 **(1) Integrated Applications  
Promotion**  
Dr Piera Di Vito, Ground Systems  
Engineer, ESA ESTEC

## 11:40 (2) Applications

12:00 **(3) UK Acquisition of PROTECTOR -  
The Story so Far**  
Air Cdre Ian 'Windy' Gale MBE, ACOS  
C2ISR, HQ Air Command, Royal Air  
Force

## 12:20 DISCUSSION PANEL

## 12:50 Networking Lunch

## ► SESSION 2: CHALLENGES

13:50 **(4) Large RPAS Airspace Integration  
Technology: Detect and Avoid and  
Beyond**  
Jennifer Perrottet, Air Traffic  
Management Lead for the UAS Civil  
Integration, General Atomics

## 14:10 (5) Drone Collision and Commercial Aircraft

Graeme Anderson, and Andrew  
Chadwick MRAeS, Business Manager,  
Frazer Nash Consultancy

14:30 **(6) Certification of RPAS**  
Chris Day MRAeS, Director of Capability,  
Schiebel

## 14:50 DISCUSSION

## 15:10 Networking Refreshments Sponsor



## ► SESSION 3: OPPORTUNITIES

15:34 **(7) UAS - A Game-Changing Aerial  
Perspective for Industrial Data**  
Nick Rogers, Chief Regulatory and  
Training Officer, Sky Futures

16:00 **(8) A Game of Drones - Finding a Voice  
in the Aviation Industry**  
Andrew Charlton, Managing Director,  
Aviation Advocacy

16:20 **(9) Training for the Future of the UAS  
Industry**  
Andrew Bailey, Head of Training, The  
UAV Academy

## 16:40 DISCUSSION PANEL

## 17:10 END OF DAY 1

Networking Reception Sponsored by:



# DAY TWO - RESEARCH AND DEVELOPMENT - 4 OCTOBER 2016

08:30 **Registration and Refreshments**

09:00 **WELCOME AND OPENING REMARKS**

Anthony Henley MRAeS, Chairman,  
UAS Committee, Royal Aeronautical  
Society

► **SESSION 4: FUTURE DEVELOPMENTS**

09:10 **(12) Safety Challenges Presented by Automated Road Vehicles**

Alan Peters, Principal Technologist  
- Automated Transport Systems  
Business Unit, Transport System  
Catapult

09:30 **(13) Can Autonomous Aircraft be Safe - Ideas from the Maritime World**

Nick Tudor, Business Director, D-RisQ  
Ltd

09:50 **(14) Printed Aircraft**

Prof Jim Scanlon FRAeS, Professor of  
Aerospace Design

10:10 **(14) UAVs for Surveying in Hazardous Environments - From Fukushima to Minefields**

Dr John Day, Interface Analysis  
Centre, HH Willis Physics Laboratory,  
University of Bristol

10:30 **DISCUSSION PANEL**

10:50 **Networking Refreshments Sponsor**



► **SESSION 5: INDUSTRY**

11:20 **(15) Airspace for UAS and Space Systems Testing**

Cornwall Development Company

11:40 **(16) BVLOS Operations in UK Airspace - AIRSTART**

12:00 **(17) Graphene UAV - It's Development Progress and Benefits**

Billy Beggs, UCLAN Civic Drone Center

12:20 **KEYNOTE**

Jacqueline Foster, MEP for the North  
West of England

12:40 **Networking Lunch**

► **SESSION 6: UTM - LOW LEVEL CONTROL AND MANAGEMENT**

Chairman: Andrew Jones, Manager  
- Air Operations, Thales - Defence  
Mission Systems

13:40 **(21) UTM - What is Means for Commercial Entities**

Benoit Curdy, Secretary General,  
Global UTM Association

14:00 **(21) Sharing the Airspace**

Richard Deakin FRAeS, Chairman  
EMEA, AirMap

14:20 **(23) Holographic Radar - New Technology for Detection and Tracking of UAVs**

Dr Dominic Walker, Business  
Development Manager, Aveillant

14:40 **DISCUSSION PANEL**

15:00 **Networking Refreshments Sponsor**



► **SESSION 7: SOCIETAL RESEARCH**

Chairman: Simon Phippard FRAeS,  
Of Counsel, Bird & Bird and UAS  
Committee, Royal Aeronautical Society

15:30 **(18) Prosecutions - Enforcing the Rules**

Dr David Goldberg, Adjunctant  
Associate Professor of Law,  
Southwestern Law School LA

15:50 **(19) Operational Policing**

Inspector Andrew Hamilton, Alliance  
Roads Policing Team, Devon &  
Cornwall Police and Dorset Police

16:10 **(20) Societal Issues**

Gabriel Voisin, Associate, Bird & Bird

16:30 **DISCUSSION PANEL / PUBLIC CONSULTATION**

17:00 **CONFERENCE CLOSE**