

UNMANNED AIRCRAFT SYSTEMS OPERATIONAL & TECHNOLOGY READINESS

LONDON / 25 – 26 OCTOBER 2011

CONFERENCE OVERVIEW

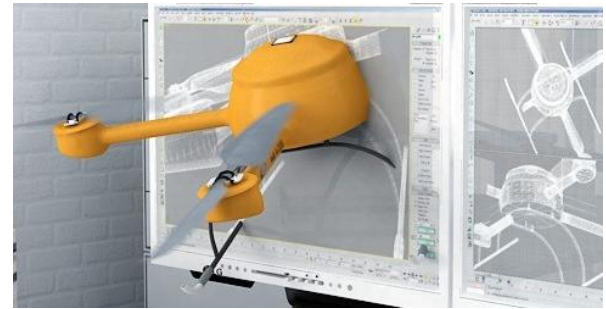
The deployment of Unmanned Aircraft Systems (UAS) has been growing significantly over the last 10 years in the military sphere and we are now seeing an acceleration of pace in the civil market driven by small, cost effective and versatile systems with a wide variety of uses. The rate of increase of new market entrants for small systems is seen as a reflection of their accessibility and relative low cost. The real challenge is to further enable this early industrial base to a sustainable future where it may even be the first to be integrated into the current world of manned aviation.

This conference brings together leading experts from regulatory and industrial bases within Europe and beyond to focus on the Operational and Technology Readiness next step issues for civil market growth and the way it will develop.

The conference tackles this in four ways through:

- The Regulatory Framework Progress
- Key Infrastructure and safety requirements
- Operation and Application Developments
- Technology Maturity

The conference is intended for those individuals and companies that are either beginning to take part in this industry or who need to understand the more clearly the key expectation management criteria that will underpin any successful business plan through an understanding of enabling regulations, enabling infrastructure, operational and technology readiness.



The United Kingdom has made great progress in this area, both in its regulatory framework, in its innovative enabling organisations and in the growing base of UAS operators currently carrying out work on a day to day using aircraft mostly below 20Kg mass. So while many companies are waiting for tomorrow's civil market to appear, others are already growing their market share and laying down the foundations for how this market will eventually develop.

The conference will debate how regulation enables operational acceptance of UAS operations, how the existing base of small UAS operations can be used to enable bigger steps towards UAS integration in the airspace and how governments can take early advantage of what is already happening by contributing to the acceleration of the industrial base required to deliver real benefits.

REGISTER ONLINE

Register before the 7th October to take advantage of the Early bird rate and save £100!

Book your place now at www.aerosociety.com/events

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TUESDAY 25th OCTOBER

08.45 *Registration and Coffee*

09.15 **Opening Remarks**

André Clot, Conference Chairman, Royal Aeronautical Society

09.20 **Keynote Address: Fundamental Developments for Enabling a Vibrant UAS Industry**

Gary Clayton, Chairman, UAVS Association

Session 1: INTERNATIONAL REGULATORY FRAMEWORK PROGRESS

Chairman: Dewar Donnithorne-Tait, President & CEO, Canadian Centre for Unmanned Vehicle Systems

09.50 **ICAO UAS Study Group Update**

Tony Henley, Member of ICAO Panel, THL Limited

10.20 **Eurocontrol UAS Integration**

Mike Lissone, UAS ATM Integration Manager, Eurocontrol

10.50 *Coffee and Networking Break*

11.20 **JARUS Progress**

Keith Dodson, Airworthiness, Strategy & Policy Department, UK Civil Aviation Authority

11.45 **AMC 1309 – Practical implementation**

Nick Brewer, UAS Focal Engineering, UK Civil Aviation Authority

12.10 **UK Civil Aviation Authority (CAA) UAS Activities**

Gerry Corbett, Directorate of Airspace Policy, UK Civil Aviation Authority

12.35 **Panel Discussion: Regulation Enables Operational Acceptance of UAS Operations**

12.50 *Networking Lunch*

Session 2: INFRASTRUCTURE

Chairman: Tony Henley, Learned Society Board, Royal Aeronautical Society

13.50 **Qualified Entities for the Approval of Manufacturers, Operators and Flight Schools**

André Clot, Centre Director, EuroUSC

14.15 **Enabling BLOS Operations**

Ray Mann, Managing Director, West Wales Airport

14:40 **Sense and Avoid – ASTRAEA**

Darren Ansell, ASTRAEA Technical Manager, BAE Systems*

15:05 **Enabling the Acceptance of Sense and Avoid**

Michael Naderhim, Chief Executive, AeroSpy, Austria

15.30 *Tea and Networking Break*

16.00 **ASTRAEA Virtual Certification**

Andrew Jones, Manager ISTAR Air Operations, THALES UK

16.25 **EUROCAE WG73 Flight Crew Training Workshop**

Thomas Mildenburger, Chairman, European Cockpit Association

16.50 **Practicalities of Pilot Training - Resource Group**

Adrian Leatherland, Director, Resource Group

17.15 **Panel Discussion: Beyond the “Bubble” – Industry’s Next Step**

*Speaker TBC

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WEDNESDAY 26th OCTOBER

08.30 *Registration and Coffee*

09.00 Opening Remarks

Session 3: UAS APPLICATION PROGRESS

Chairman: Andrew Chadwick, Business Manager,
Fraser Nash Consultancy

09.05 Association of Chief Police Officers (ACPO) - Operational Requirement

Alan Brooke, Centre for Applied Science
and Technology, UK Home Office

09.40 The Italian Experience

Jarno Puff, UAS Research & Development
Director, AZTECH, Italy

10.15 Belgian Experience

Peter Cosyn, Chairman, Gatewing NV,
Belgium

10.45 *Coffee and Networking Break*

11.15 Canadian Centre for Unmanned Vehicle Systems UAS Commercialization Programme

Dewar Donnithorne-Tait, Director, Canadian
Centre for Unmanned Vehicle Systems

11.40 Unmanned Aircraft in border Patrol Activities

Dr Joseph Barnard, Managing Director,
Barnard Microsystems

12.05 UAS Insurance

Adam Piper, Associate Director, Griffiths &
Armour Insurance Brokers

12.30 Panel Discussion: Government Use in Civil UAS Operations

12.45 *Networking Lunch*

Session 4: TECHNOLOGY

Chairman: Mike Lake, UAVS Association

13.45 Small UAS as Market Leader

Andrew Chadwick, ASNTC, Small UAS
Group

14.10 Exploitation of Airborne Visual Sensor Data

Jason Hall, Defence Account Manager,
Roke Manor

14:35 ASTRAEA – Autonomous Operations in Icing Conditions

Dr Andrew Lucas, Managing Director
AOS Group

15.00 *Tea and Networking Break*

15.30 Southampton University Laser Sintered Aircraft

Professor Jim Scanlan, Southampton
University

15.55 ASTRAEA was Wicked! - What Next?

Colin Burbidge, Head of Information
Services, UAVS Association

16.25 SPECIAL SESSION

UAVS UK Operations Working Group European Standards Development

European Union, JARUS and EUROCAE WG 73 – VLOS Scenario 2

UAVS, has formulated an Operations Working
Group as the primary means of allowing UK
companies of all sizes to participate in the
development of UAS standards in Europe. This
session will explain how the process works and
show how UAVS and RAeS individual and
company members can take part.

Special Briefing Packs will be available for the
current EUROCAE VLOS Scenario 2 work.

17:00 **Close of Conference**

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REGISTRATION FORM (ref #672)

Please complete one registration form per person
and return with payment to:

RAeS Conference & Events Department
No.4 Hamilton Place, London W1J 7BQ

Contact Name:	
Company Name:	
Position:	
Address:	
Tel:	
Fax:	
Email:	
SIGNATURE:	

Registration Fees:

Non Member: £ 550 + VAT
RAeS Corporate Partner: £490 VAT
RAeS / UAVS Member: £400 + VAT

Registration and secure payment can be made
online at www.aerosociety.com/events.

PAYMENT

Please charge my credit / debit card

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I wish to receive an invoice and understand that
payment terms are 30 days

**Book before 7thth October to benefit from £100
discount!**