RPAS TODAY

OPPORTUNITIES AND CHALLENGES

LONDON / 10 - 12 JUNE 2014
THREE DAY CONFERENCE

RPAS TODAY

OPPORTUNITIES AND CHALLENGES

Remotely piloted aircraft are still not yet a feature of everyday life, however the number in use is growing rapidly and the range of operations that they support is increasing. This conference, organised by the Royal Aeronautical Society’s Unmanned Aircraft Systems Specialist Group, will provide delegates with essential information on the factors that are supporting the proliferation of civil use as well as providing clear insights into the regulatory and other constraints in place to ensure public safety and privacy.

The capabilities, opportunities and technologies are developing at a rapid pace and will be outlined by various experts from UK, Europe and America. In addition speakers from UK Government organisations will present a vision of the support available, the requirements to be adhered to and the way in which regulations are developing.

The conference will begin with a keynote speech from the Director of the Safety and Airspace Regulation Group, UK CAA and will open day two with the views of the Minister for Universities & Science and the Programme Director at Astraea. Papers will be presented on recent achievements, applications for both large and small RPAS, relevant technologies, the developing legal and regulatory framework as well as the critical issue of communications and the activities of supporting industry bodies. The last day is intended to provide a show case for innovative R&D for which papers may still be submitted.

Research Papers for Day Three are welcome on:
Innovative UAS Technology
Control Theory
Decision Support
Mission Planning and Management
Communications
Collision Risk
Sensor Data Processing
Innovative Manufacturing
Navigation
Propulsion

VENUE
Royal Aeronautical Society
No.4 Hamilton Place
London, W1J 7BQ
UK

WHO SHOULD ATTEND
- Potential corporate and small business users
- Current users
- Suppliers and potential suppliers of RPAS Technology
- RPAS Manufacturers
- Aviators in the Manned world
- RPAS Strategists
- Project Managers

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Proceedings
Proceedings from this event are free to delegates. If you are unable to attend and would like to purchase a copy, then additional copies can be purchased from the Royal Aeronautical Society by contacting:
E: conference@aerosociety.com
T: +44 (0)20 7670 4345

Sponsorship & Exhibition
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In the event of cancellation, terms and conditions will apply.
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PROGRAMME - 10 JUNE 2014

08:30  Registration / Tea & Coffee
09:00  OPENING REMARKS
      Conference Chairman: Tony Henley, Chairman, UAS Committee, Royal Aeronautical Society
09:05  KEYNOTE ADDRESS
      Mark Swan, Director of the Safety and Airspace Regulation Group, UK Civil Aviation Authority
09:30  SESSION 1: BUSINESS AND COMMERCIAL ISSUES
      Chairman: Tony Henley, Chairman, UAS Committee, Royal Aeronautical Society
      (1) Business Models for RPAS Operations
          Nick Meyrick, VP Sales - Air Systems UK, Selex Falco (Invited)
      (2) SESAR Project CLAIRE - ATM Integration Perspectives
          Daryl Rowlands, Manager Air Traffic Services, NATS
      (3) UK Government Strategy for UAS
          Paul Cremin, Head of UK Aviation Safety, SAFA and Permits Branch International Aviation, Department for Transport

10:45  DISCUSSION
11:00  Networking Refreshment Break
11:30  (4) UK Regulatory Update
      Gerry Corbett, Directorate of Airspace Policy, UK Civil Aviation Authority
      (5) Autonomy - Statoil
          Einar Landre, Leader Innovation Technology ITV DRS DWS, Statoil ASA

15:05  Networking Refreshment Break

PROGRAMME - 11 JUNE 2014

08:30  Registration / Tea & Coffee
08:55  OPENING REMARKS
      Conference Chairman: Tony Henley, Chairman, UAS Committee, Royal Aeronautical Society
09:00  OPENING ADDRESSES
      Astraea Achievements to Date and Expectations
          Lambert Dopping-Hepenstal, Programme Director, Astraea
      UK Government - The Way Forward
          The Rt Hon David Willetts MP, Minister for Universities and Science
      SESSION 4: ENABLERS
          Chairman: Dr Jonny King, Director, General Atomics Aeronautical Systems & UAS Committee, Royal Aeronautical Society
      (13) Potential of Satellite Communications
          John Mettrop, Spectrum Manager, UK Civil Aviation Authority
      (14) Satellite Communications for Use by RPAS - Opportunities and Challenges
          Laurence Duquerroy, Communication System Engineer, ESA

10:40  DISCUSSION
10:55  Networking Refreshment Break
11:25  (15) Enabling RPAS Airspace Integration: Detect and Avoid with ACAS XU For Collision Avoidance
      Brendan Suarez, Project Engineer, General Atomics Aeronautical Systems
      (16) Liability and Insurance - An Update on the EU Roadmap
          Clemence Routaboul, Principal Consultant, Steer Davies Gleave
      (17) Surveillance Rules - CCTV and Privacy
          Speaker TBC, Information Commissioner’s Office

15:10  DISCUSSION
15:25  Networking Lunch
15:50  SESSION 5: SENSORS / SYSTEMS / SOLUTIONS
      Chairman: Tony Duthie, Head of Market Development, AgustaWestland & UAS Committee, Royal Aeronautical Society
      (18) ISR
          Ewan Stockbridge, Head of Training, UMS Group
      (19) The RPAS Control
          Dr Yoge Patel, Chief Executive Officer, Blue Bear
      (20) A Data Centric Approach to UAS
          Robert Whitehouse, Business Development Director, Tekever

17:00  CLOSE OF DAY ONE
17:30  DISCUSSION
16:00  Networking Lunch
16:35  (11) Public Perception - Myths and Reality
      Dave Goldberg, Chief Executive Officer, deejee Research Consultancy
      (12) ARPAS-UK and its Mission
      Phil Tarry, Chairman, ARPAS-UK

15:05  Networking Refreshment Break
15:35  (9) The Legal Aspects of Introducing New Equipment into Service
      Cdr Kara, Chadwick, Legal Adviser DCDC MOD & Lt Col Peter Sonnex, Conventional Weapons Policy and International Humanitarian Law Desk Officer, MOD

16:00  CLOSE OF DAY TWO

*The programme is subject to change.
REGISTRATION FORM:
Registration and secure payment can be made on-line at www.aerosociety.com/conference. Alternatively, complete one registration form per person (photocopies may be used) and return with payment to: Conference & Events Department, Royal Aeronautical Society, No.4 Hamilton Place, London, W1J 7BQ, UK.

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

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