

CONFERENCE PROGRAMME



ROYAL
AERONAUTICAL
SOCIETY

President's Conference

COMMERCIALISATION OF SPACE

REALISING UK GOALS FOR INNOVATION AND GROWTH

LONDON / DAY 1 - 21 NOVEMBER 2017

08:30 **Registration & Refreshments**

09:00 **PRESIDENT'S WELCOME**

ACM Sir Stephen Dalton FRAeS, President, Royal Aeronautical Society

09:05 **KEYNOTE SESSION 1: GOVERNMENT AMBITIONS FOR THE COMMERCIALISATION OF SPACE
GOVERNMENT VIEWS**

09:20 **SECTORS CHAMPIONED BY THE UK SPACE AGENCY**

09:35 **STRATEGIC GROWTH PARTNERSHIPS**

SESSION 1: INSPIRATIONAL EXAMPLES OF THE COMMERCIALISATION OF SPACE

09:50 **NASA AS AN ENABLER OF SPACE COMMERCIALISATION**

10:10 **BRINGING AFFORDABLE HIGH SPEED INTERNET TO THE WORLD**

Speaker: *Greg Wyler, Founder and Executive Chairman, OneWeb*

10:30 **NEWSPACE: A GOLD RUSH OR FOOL'S ERRAND ?**

Speaker: *Ed Swallow, Vice President, Civil Systems Group, The Aerospace Corporation*

10:50 **Networking Refreshment Break**

**SESSION 2: THE UK FRAMEWORK FOR INNOVATION, GROWTH, PARTNERSHIP AND
COMMERCIALISATION**

11:20 **THE UK SPACE INNOVATION AND GROWTH STRATEGY**

Speaker: *Robert Waters, Head of Industrial Strategy, UK Space Agency*

11:35 **DRIVING UK GROWTH THROUGH SCIENCE AND TECHNOLOGY INNOVATION**

Speaker: *Tim Just, Head of Space, Innovate UK*

11:50 **ENCOURAGING INNOVATION THROUGH THE SATELLITE APPLICATIONS CATAPULT**

Speaker: *Paul Febvre, Chief Technology Officer, Satellite Catapult*

12:05 **INVESTING IN THE FUTURE OF UK SPACE**

12:20 **UK SPACE INDUSTRY PERSPECTIVE**

Speaker: *Richard Peckham, Chairman, UKSpace*

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12:35 **Networking Lunch:**

SESSION 3: COMMERCIAL EXPLOITATION OF SATELLITE TELECOMMUNICATIONS

13:35 **PARTNERSHIPS IN ADVANCED SATELLITE TELECOMMUNICATIONS**

Speaker: Magali Vaissiere, Director of Telecommunications and Integrated Applications, ESA

13:50 **A MISSION TO CONNECT THE WORLD**

Speaker: Neil Fraser, Head of Space and Comms, UK Manager, Viasat UK Ltd

14:05 **COMMERCIAL PARTNERSHIPS IN SATELLITE TELECOMMS SERVICES**

Speaker: Nick Daly, Vice President - UK & Ireland, South Asia, Nordic Region, Eutelsat UK Ltd

14:20 **AVANTI HYLAS-4 : EVERY CHILD ONLINE**

Speaker: David Williams, CEO Avanti Communications Group PLC

14:35 **COMMERCIAL SOLUTIONS TO GOVERNMENTS' COMMUNICATIONS NEEDS**

Speaker: James Hinds, Director, Strategy Development Space Systems, Airbus Defence & Space

14:50 **Networking Refreshment Break:**

15:20 **PANEL 1: THE SPACE DEBRIS CHALLENGE**

Panelists:

Dr. Holger Krag, Head of ESA Space Debris Office

Professor Richard Crowther, Chief Engineer, UK Space Agency

Dr. Miguel Belló, CEO, Deimos

Nobu Okada, CEO, Astroscale

Professor Sa'id Mosteshar, Director, London Institute of Space Policy and Law

16:45 **PRESIDENT'S CLOSING ADDRESS DAY 1**

Sir Stephen Dalton FRAeS, President, Royal Aeronautical Society

17:00 **NETWORKING RECEPTION**

Sponsored by:

AIRBUS

19:00 **2017 HONOURS, MEDALS AND AWARDS CEREMONY**

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20:30 The Society's Honours, Medals and Awards are the most prestigious and long-standing awards in global aerospace honouring achievement, innovation and excellence, so this exceptional prestige event is not to be missed!

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Day 2 Lead Sponsor:



LONDON / DAY 2 - 22 NOVEMBER 2017

08:30 **Registration & Refreshments**

09:00 **PRESIDENT'S WELCOME**

ACM Sir Stephen Dalton FRAeS, President, Royal Aeronautical Society

KEYNOTE SESSION 2: INTERNATIONAL COOPERATION IN COMMERCIAL SPACE ACTIVITIES

09:05 **UK AMBITIONS FOR INTERNATIONAL COOPERATION**

09:20 **ESA INITIATIVES FOR THE COMMERCIALISATION OF SPACE**

Speaker: *Prof. Jan Woerner, Director General, ESA*

09:35 **INTERNATIONAL COOPERATION AND INNOVATION**

Speaker: *Luigi Pasquali, Chief Executive Officer, Telespazio and Space Sector Director, Leonardo*

SESSION 4: EXPLOITATION OF EARTH OBSERVATION DATA

09:50 **EO INNOVATION AND GROWTH**

10:05 **EXPLOITING EO BIG DATA FOR COMMERCIAL GAIN**

Speaker: *Professor John Remedios, Director UK National Centre for Earth Observation*

10:20 **ADVANCING THE UNDERSTANDING OF CLIMATE CHANGE**

Speaker: *Theresa Condor, Executive Vice President Corporate Development, SPIRE*

10:35 **ADVANCING THE UNDERSTANDING OF CLIMATE CHANGE**

Speaker: *Telespazio VEGA*

10:50 **Networking Refreshment Break**

SESSION 5: COMMERCIAL EXPLOITATION OF POSITIONING, NAVIGATION AND AIRSPACE MANAGEMENT FROM SPACE

Chairman:

11:20 **GNSS BASED UAV MONITORING SYSTEM FOR AIRFIELDS**

Speaker: *Dr Carmine Clemente, Overall Winner, ENSC 2016, University of Strathclyde*

11:35 **INNOVATION IN SATELLITE NAVIGATION AND PNT**

Speaker: *Andy Proctor, Innovate UK*

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Day 2 Lead Sponsor:



LONDON / DAY 2 - 22 NOVEMBER 2017

- 11:50 **GLOBAL TRACKING AND MONITORING OF REMOTE FIXED OR MOBILE ASSETS**
Speaker: *Frederick van Essen, SVP Strategy & Business development, Inmarsat Aviation*
- 12:05 **DOWNSTREAM APPLICATIONS EXPLOITING NAVIGATION DATA**
Speaker: *Dr. Mark Dumville, Director and General Manager, Nottingham Scientific Ltd (Invited)*
- 12:20 **Networking Lunch**
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- SESSION 6: COMMERCIAL LAUNCH CAPABILITIES IN THE UK - CURRENT STATUS**
- 13:20 **UK SPACEPORT STATUS**
Speaker: *Ross James, Commercial Space Director, UK Space Agency*
- 13:35 **LOW COST ACCESS TO SPACE FROM THE UK**
Speaker: *Paul Davey, Director Business Development, Lockheed Martin*
- 13:50 **REACTION ENGINES**
Speaker: *Mark Thomas, CEO Reaction Engines*
- 14:05 **ORBITAL ACCESS**
Speaker: *Stuart McIntyre, CEO, Orbital Access*
- 14:20 **Networking Refreshment Break**
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- PANEL DISCUSSION 2: FACILITATING GROWTH THROUGH FINANCE AND REGULATION**
- 14:50 **Panelists:**
Paul Cremin, Commercial Spaceflight Regulation and Policy Lead, DfT
Richard Peckham, Chairman, UKSpace
Ross James, Commercial Space Director, UK Space Agency
Joanne Wheeler, Partner, Bird & Bird (Invited)
Mark Boggett, Chief Executive, Seraphim (Invited)
- 16:20 **CLOSING KEYNOTE: OUTLOOK FOR THE COMMERCIALISATION OF SPACE IN THE UK**
Speaker: *Professor Sir Martin Sweeting HonFRAeS, Executive Chairman, SSTL (Invited)*
- 16:45 **PRESIDENT'S CONFERENCE CLOSING ADDRESS**
Sir Stephen Dalton FRAeS, President, Royal Aeronautical Society
- 17:00 **CONFERENCE CLOSE**