From radar to the Typhoon, we have an unprecedented history in innovation firsts. However, we don’t rest on our laurels. In the last few years we’re proud to have launched the Type 45 destroyer and Astute submarine. And we are continually developing new technologies – like cyber security – because it’s only by moving forward that Britain will remain a global leader.
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Cover photo: Bill Read

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Editorial

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Publisher

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Messier-Bugatti-Dowty is the world leader in aircraft landing and braking systems. Company capabilities encompass the full life cycle of our products, ranging from design and manufacture to in-service support, repair and overhaul. We combine advanced engineering, proven expertise in systems integration and unrivalled capabilities in our markets to deliver innovative landing solutions to 30 leading commercial, military, business and regional aircraft manufacturers. We support more than 23,000 aircraft in-service making over 40,000 landings every day.

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Foreword

Well, follow that, as they say!

2012 was an amazing year from any perspective with the on-going economic pressure to some degree offset by the undoubted success of the Olympic and Paralympic Games and the lift that those great events gave to many of us.

The Society was delighted to host the Japanese delegation during the Games and new friendships were formed during this hectic period, which followed on from a successful Royal International Air Tattoo and a busy Farnborough International during which the Society hosted many visitors at their Summer Reception.

Once again we have managed to move the Society forward in many respects, most importantly with the Privy Council's approval of a new governance structure for the Society aimed at allowing the Society to meet both the rigours of today and the future as we see it.

2012 was also focused on increasing our ‘learned output’ which, of course, is represented in many ways. Organising successful conferences and events which provide a forum to discuss the big issues of the day — like the future of the UK’s defence industry, the global defence budget, airport capacity or co-operation in the development of global flight training — lie at the heart of the Society’s day-to-day activities. Corporate Partners have come together for a number of topical briefings to share experience and gain insight from key aviation ‘seniors’ on selected topics. Lectures, both in London and throughout our wide network of Divisions and Branches at home and abroad, have brought both the Society’s members and the public at large together to meet and debate. And finally a number of research papers have been delivered to Government and published in the media to aid discussion.

The Society has sought to further enhance its relationships with all corners of the aviation world, be it academia, industry, the armed services or the civil service, and it is clear that the relevance and influence of the Society continues to grow. The membership and other ‘customers’ had a further opportunity to provide feedback on the Society two years on from our first major questionnaire and we will be studying the feedback carefully from our 2012 follow-up to improve our overall offering.

2013 will see the Society move forward hopefully in all directions, with a growing membership, both individual and corporate, organising and hosting even more ‘relevant’ events, and providing neutral ground for those who wish to discuss those ‘difficult issues’. International development is high on the agenda for our Membership Services Board and, following on from the launch of a new Branch in Sheffield and very successful meetings involving the majority of our overseas Divisions, our international ‘footprint’ will be enhanced.

As ever, this Handbook will assist you in providing a reference to the activities within the Society. It provides a flavour of what takes place and we hope that you will find this useful and also use it for the benefit of others.

The staff and executive of the Royal Aeronautical Society wish you a very successful 2013 and may the ‘green shoots’ gain a strong foothold!

SIMON C LUXMOORE
MBA FRAeS
Chief Executive

Simon was educated at Millfield School and the University of Bath. Having gained an Executive MBA from the University of Bath, Simon joined the Dowty Group in 1989, after successive senior marketing and sales positions within the Lawson Mardon Group, an international group of companies headquartered in Toronto, Canada, formerly jointly owned by BAT Industries and the Imperial Group. Simon’s first position within the Dowty Group was as Project Manager, Dowty Aerospace Gloucester, formerly Dowty Rotol, moving to become Head of Design Engineering within Dowty Aerospace Landing Gear.

In 1995 Simon was appointed Marketing, Sales and Product Support Director of the UK business in the newly formed joint venture between the TI Group and Snecma, Messier-Dowty. In 1998, following the purchase of the TI Group share of the business by Snecma and subsequent re-organisation, Simon was appointed Marketing Vice President, Messier-Dowty Europe. The following year he was appointed Vice President Business Development (Europe).

In 2000 Simon was appointed Group Vice President of Messier-Dowty’s Boeing and Military Business Unit activities globally and Managing Director of Messier-Dowty Limited.

In 2004 Simon was promoted to Senior Vice President/Deputy CEO of Messier-Dowty International, reporting directly to Chairman and CEO Louis Le Portz. Simon was elected as a Fellow of the Royal Aeronautical Society in 2003. He was formerly a Director of the SBAC, now ADS, from 2004 to 2008.
### Membership Grades of the Royal Aeronautical Society

#### Student Affiliate
Free membership for full-time students of 16 and over.

#### Affiliate
Anyone associated with, or interested in, aerospace.

#### Associate (ARAeS)
Examples of qualifications and experience:
- UK ordinary Degree*.
- National/Scottish Vocational Qualification at NQF level 3*.
- Licensed Aircraft Maintenance Engineer qualification.
- An appropriate Certified Apprenticeship.
- Three years’ relevant experience.

#### Associate Member (AMRAeS)
Examples of qualifications and experience:
- Honours degree* and two years’ professional development.
- National/Scottish Vocational Qualification at NQF level 4* and three years’ relevant experience.
- Licensed Aircraft Maintenance Engineer with type ratings for complex aircraft and three years’ experience.
- Twelve years’ appropriate experience.

#### E-ASSOCIATE MEMBERSHIP BENEFITS
If you have previously been a Student Affiliate member with the Society, for just £40 for one year you can become an e-Associate and continue to receive all the fantastic benefits the RAeS has to offer its young members:

- The use of the letters ARAeS after your name.
- Two monthly online magazines.
- Access to over 450 lectures and events worldwide.
- Free and unlimited 1-2-1 careers guidance.
- Support with professional development and registration.
- The opportunity to meet like-minded young professionals.
- Participate in the global forum of opinion on the latest aerospace developments.
- Reduced subscription to The Aeronautical Journal, an ideal reference tool packed with technical papers.
- Use of our internationally renowned library and aerospace archives.

#### Member (MRAeS)
There are two ways to qualify:
- Honours degree plus two years’ post-grad training plus two years’ experience at a level of responsibility.
- Fifteen years’ experience of which seven are in a position of responsibility.

#### Companion (CRAeS)
Granted to those who are of valuable service to the profession, engaged in related professions with equivalent qualifications and experience as Fellows but who do not qualify for that grade, e.g. senior executives moving into the industry later in their careers.

#### Fellow (FRAeS)
Fellowship is the highest grade attainable. Need to meet the requirement for Member and meet one of the following criteria:
- Made an outstanding contribution to the industry.
- Attained a position of high profile in an influential role.
- Have had long experience in a position of responsibility.

* or equivalent.

---

**HOW TO JOIN THE SOCIETY**
For further information on all membership grades and registration:

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Membership Recruitment Manager  
Royal Aeronautical Society  
No.4 Hamilton Place  
London W1J 7BQ  
United Kingdom  
E membership@aerosociety.com  
T +44 (0)20 7670 4355  
www.aerosociety.com/membership

Remember entry and transfer fees are waived for employees of members of the RAeS Corporate Partner Scheme

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FINISHING YOUR STUDIES SOON?
Upgrade to e-Associate and continue on the road to a high-flying career!
Welcome to the World’s Foremost Aerospace Community

The Royal Aeronautical Society is the world’s only professional body dedicated to the entire aerospace community. Established in 1866 to further the art, science and engineering of aeronautics, the Society has been at the forefront of developments in aerospace ever since.

What do we do?

- Promote the highest possible standards in all aerospace disciplines
- Provide specialist information and act as a forum for the exchange of ideas
- Play a leading role in influencing opinion on aerospace matters

What does Society membership offer you?

- Membership grades for professionals and enthusiasts alike
- Professional recognition and development
- The opportunity to contribute to advancing the aerospace profession
- A global network of more than 17,500 members in over 100 countries
- A wealth of information through monthly publications, the website, social media and the internationally renowned National Aerospace Library
- Preferential rates for the Society’s 450+ events and conferences held each year
- Unparalleled professional networking through events and involvement with the Society’s 24 Specialist Groups and 67 Branches
- Free careers guidance
- Use of the Airbus Business Suite and the Members’ Bar

www.aerosociety.com/membership
President

2012 - 2013
Phil Boyle BSc(Eng) MSc CEng MIET FRAeS

Phil Boyle grew up in Portsmouth where he attended Portsmouth Grammar School. He read Engineering Science at University College, Durham, and completed his RAF officer and pilot training as a member of No 1 Graduate Entry at RAFC Cranwell. Phil's first operational post was on No 36 Sqn, Hercules, followed by a tour as the Wing Weapons Officer for the RAF Germany Harrier Force. He then spent two tours flying Nimrods on No 42 Sqn (Falklands War 1982).

After retiring from the RAF in 1987 Phil worked as a consultant for two London-based management consultancies before joining Ramsey Hall in 1991. He has been the Managing Director of Ramsey Hall Ltd since 1993, during which period the company has established itself as one of the UK’s most respected Talent Management Consultancies.

Phil first became actively involved with the Society as a Branch committee member at Boscombe Down. He was elected to Council in 1992 and has since been re-elected five times. Phil is a member of Council, the Advisory Committee and the Finance Board. He chairs the Society’s Governance Working Group and is a Trustee of the Society’s pension fund. He has been Chairman of the Solent Branch since 1994.

Phil is married to Bharti; they have two adult sons, Mark and Kieron.

President-Elect

2012 - 2013
Jenny Body OBE FRAeS

Jenny worked for Airbus (in its various guises) since 1971 when she joined the company as an undergraduate apprentice. Initially part of the avionics group, she prepared flight software for the preliminary ‘fly-by-wire’ UK test aircraft and then worked on slat/flap and landing gear systems for A320 and A340 Airbus aircraft. After a spell in R&T Management, as a complete change she became the engineering leader of the Nimrod wing design team at Filton. Subsequently she was responsible for on-going wing developments and repairs on in-service Airbus aircraft before moving to the A400M team as wing design team lead. Her final role was in R&T Management again. She was responsible for maximising support for UK-based Airbus R&T. Her main achievement was the preparation and establishment of the Next Generation Composite Wing Programme — the biggest UK Aerospace R&T programme to date. She is a Fellow of the Royal Aeronautical Society and is a member of Council. She retired from Airbus in October 2010. She was awarded the OBE at the end of 2010 for services to Engineering. In May 2013 she will become the first female President of the Royal Aeronautical Society.
2013 marks 75 years of Boeing’s partnership with the UK. We’re proud of what we have built together and we will continue to rely on our UK partners — customers, employees, suppliers and researchers — as we innovate for our shared future. As Boeing continues to deliver aircraft, including the first 787 Dreamliners to our UK airline customers, and remains a committed supporter of the UK Armed Forces, we can’t think of a better place to grow. Together, we’ll soar even higher in the next 75 years. Learn more at www.boeing.co.uk/together
## Council 2012-2013

### Ex officio

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Mr Phil Boyle BSc(Eng) MSc CEng MIET FRAeS</td>
</tr>
<tr>
<td>President-Elect</td>
<td>Mrs Jenny Body OBE FRAeS</td>
</tr>
<tr>
<td>Past-President</td>
<td>Mr Lee R Balthazor BTech(Hons) MSc DMS CEng FAPM FCMI FRAeS</td>
</tr>
<tr>
<td>President – Australian Division</td>
<td>Mr Andrew Drysdale FRAeS</td>
</tr>
<tr>
<td>Chairmen Committee</td>
<td>Mr Mike Goulette FRAeS</td>
</tr>
<tr>
<td>Honorary Solicitor</td>
<td>Mr Patrick Slomski</td>
</tr>
<tr>
<td>Chief Executive</td>
<td>Mr Simon Luxmoore MBA FRAeS</td>
</tr>
<tr>
<td>Deputy Chief Executive</td>
<td>Mr Paul Bailey MinstP MRAeS</td>
</tr>
<tr>
<td>Honorary Solicitor</td>
<td>Mr Patrick Slomski</td>
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### Elected Members

<table>
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<tr>
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<tr>
<td>Audit and Compliance Board</td>
<td>Prof David Allerton BSc CEng FIEE FRAeS</td>
</tr>
<tr>
<td>Audit and Compliance Board</td>
<td>Mr Ronald Carr AMRAeS</td>
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<tr>
<td>Audit and Compliance Board</td>
<td>Capt John Faulkner FRAeS</td>
</tr>
<tr>
<td>Audit and Compliance Board</td>
<td>Mr Keith Mans BA FRSA FRAeS</td>
</tr>
<tr>
<td>Audit and Compliance Board</td>
<td>ACM Sir Glenn Torpy GCB CBE DSO BSc(Eng) FCGI FRAeS</td>
</tr>
<tr>
<td>Professional Standards Board</td>
<td>Prof Chris Atkin MA PhD CEng FRAeS</td>
</tr>
<tr>
<td>Professional Standards Board</td>
<td>Mr David Chinn BSc(Hons) CEng FRAeS MIET AIL</td>
</tr>
<tr>
<td>Professional Standards Board</td>
<td>Mr Martyn Hurst MA CEng FI MechE FRAeS</td>
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<tr>
<td>Professional Standards Board</td>
<td>Dr Thurai Rahulan BSc(Hons) PhD AM IMechE</td>
</tr>
<tr>
<td>Professional Standards Board</td>
<td>Mrs Clare Walker MA CRAeS</td>
</tr>
<tr>
<td>President-Elect</td>
<td>Mr David Baxter CEng FRAeS</td>
</tr>
<tr>
<td>President – New Zealand Division</td>
<td>AM Salim Arshad FRAeS</td>
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<tr>
<td>President – South African Division</td>
<td>Mr Rob Jonkers FRAeS</td>
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<tr>
<td>President – Pakistan Division</td>
<td>Capt Hugh Dibley FRAeS</td>
</tr>
<tr>
<td>President – New Zealand Division</td>
<td>His Honour Harvey Crush FRAeS</td>
</tr>
<tr>
<td>President – South African Division</td>
<td>Capt Joacim Kramer FRAeS</td>
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<tr>
<td>President – New Zealand Division</td>
<td>Dr Donald Richardson FRAeS</td>
</tr>
<tr>
<td>President – South African Division</td>
<td>Mr Graham Roe IEng FRAeS</td>
</tr>
<tr>
<td>President – Pakistan Division</td>
<td>Mrs Joanne Lindsay Eur Ing BSc CPhys MinstP CEng MAPM MRAeS</td>
</tr>
<tr>
<td>(Will take over as LSB Chairman at or before the 2013 AGM)</td>
<td>Mr Graham Roe IEng FRAeS</td>
</tr>
</tbody>
</table>

### Members eligible under Transition Annex in new By-Laws

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learned Society Board</td>
<td>Air Cdre Bill Tyack CBE FRAeS RAF (Retired)</td>
</tr>
<tr>
<td>Membership Services Board</td>
<td>Mr Martin Broadhurst FRAeS</td>
</tr>
<tr>
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<tr>
<td>Membership Services Board</td>
<td>Mr Martin Broadhurst FRAeS</td>
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### In Attendance

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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<tbody>
<tr>
<td>Chief Executive</td>
<td>Mr Simon Luxmoore MBA FRAeS</td>
</tr>
<tr>
<td>Deputy Chief Executive</td>
<td>Mr Paul Bailey MinstP MRAeS</td>
</tr>
<tr>
<td>Honorary Solicitor</td>
<td>Mr Patrick Slomski</td>
</tr>
</tbody>
</table>
Board of Trustees 2012-2013

RAeS Branches and Divisions

Branches are a regional embodiment of the Society. They represent a vital mechanism for the delivery of membership benefits and provide a global platform for the dissemination of aerospace information.

The Society proudly boasts an international network of Branches covering all the major centres of aerospace activity, including Bristol, Derby, Dubai, Hamburg, Montreal, Munich, Paris, Seattle, Toulouse and Washington DC.

In broad terms, the objects and responsibility of every Branch is to supplement locally the efforts of the Society; to support and maintain the highest professional standards in all aerospace disciplines; to provide a unique source of specialist information; to provide a local forum for the exchange of ideas; and to exert influence in the interests of aerospace in both the public and industrial arenas.

Each year the global Branch network hosts circa 400 lecture evenings. These Branch events are open to all with a shared interest in aviation. Non-members of the RAeS are encouraged to attend and will receive a warm welcome at all Branch lecture evenings.

Divisions have been formed in countries and regions that can sustain a number of Branches. Divisions operate with a large degree of autonomy, being responsible for their own Branch network, membership recruitment, subscription levels, conference and lecture programmes.
# Global and Regional contacts

<table>
<thead>
<tr>
<th>Branch/Division</th>
<th>Contact</th>
<th>Tel</th>
<th>Email contact</th>
</tr>
</thead>
<tbody>
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Currently, the Society enjoys relationships at international, national and local levels with a number of engineering institutions and other professional bodies. Examples of agreements (to collaborate in general or on specific projects) with other organisations include: American Institution of Aeronautics and Astronautics (1992), Aeronautical Society of India (2007), Singapore Institute of Aerospace Engineers (2007), Hong Kong Institution of Engineers (2010), American Helicopter Society (2010) and SAE International (2011).

Note that the Society also has observer status at ICAO (International Civil Aviation Organization) and that the Society is also a member of CEAS (Council of European Aerospace Societies) and of ICAS (International Council of the Aeronautical Sciences).
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The range and diversity of the activities of the aerospace industry are second to none. From airlines to aviation law, space flight to balloon flight, aeronautical engineering to aircraft maintenance, avionics to flight crew training — all these, and those in between, are sectors within the aerospace industry, in which professionals, invariably bonded by a passion for aviation and aerospace, contribute to the UK’s leading position worldwide.

Outlined below is an insight into some of the interest areas of the industry, written by those who know — the technical experts and ‘captains of industry’ that form the Royal Aeronautical Society’s Specialist Groups.

Further information on each of the Specialist Groups can be found at www.aerosociety.com

AERODYNAMICS
The Group covers aerodynamics, aeroelastics, CFD, wind-tunnel testing and aerodynamic aspects of flight trials. The committee represents a wide range of aerodynamics specialists across universities and industry. The aims of the committee include organising at least one conference annually; organising the Lanchester Lecture; and representing the interests of the aerodynamic community to the Society and on behalf of the Society to the wider community.

Group Chairman: Dr Trevor Birch FRAeS

AEROSPACE MEDICINE
Aerospace Medicine Group committee members represent all aspects of UK aviation medicine and include representatives of all three Armed Services, airline medical staffs and staff from the relevant regulatory bodies, independent aviation medical practitioners and academic staff. It provides a wide-ranging information resource to the RAeS and advises the Society regarding enquiries from government and other organisations. Its programme of lectures, visits and its annual symposium provides a major education function and an accredited professional development programme essential for re-accreditation and recertification of aviation medicine practitioners in accordance with General Medical Council regulation.

Group Chairman: Air Cdre The Hon Richard Broadbridge FRAeS

AIR LAW
The law touches many aspects of aviation and the subjects addressed by the Air Law Group cover a wide range of activities in the aviation sector. The subjects raised include product liability, airline liability, insurance, airports, regulation of aviation, legal aspects of technical matters and European liberalisation.

The Group organises, and contributes to, conferences, lectures, seminars, debates and other functions related to its subject matter. It has a mediation and arbitration scheme which is available for use by the aviation community, the details of which are to be found on www.aerosociety.com.

Group Chairman: Rob Lawson QC FRAeS

AIRCRAFT MAINTENANCE ENGINEERS
The Society’s Aircraft Maintenance Engineers Group is responsible for representing issues affecting Part 66 Licensed Aircraft Engineers (LAE) and equivalent military aircraft engineering personnel. It raises the profile of the LAE through discussion, academic standards and industry representations. Additionally, it provides guidance to the Council on the best methods of attracting and retaining LAEs within the Society.

Currently the Group is working closely with the Airworthiness and Maintenance Group in the Society. The group has representatives on the UKFSC and members in working groups in EASA working on influencing licensing issues. A regular CAA representative has ensured the Group has a direct line of communication to the CAA in LGW and guidance with respect to EASA regulations.

Group Chairman: Chris Astley MRAeS

AIR POWER
The Air Power Group aims to offer a cohesive Society view on Air Power
topics. It arranges conferences, seminars and briefings, and produces papers to inform those within the Society and outside. The current chairman of its committee is Air Marshal Iain McNicoll and the members are drawn from all three Armed Services, industry and academia.

The Group welcomes new members from any background. All you need is an interest in the theory and practice of Air Power. Members have the opportunity to participate in the Group’s work and events.

Group Chairman: AM Iain McNicoll FRAeS

AIR TRANSPORT
Air Transport remains the focus of unprecedented public attention. Issues range from satisfying increasing passenger demand, changing demographics and growth in air travel to environmental impact, congestion and security. The Air Transport Group (ATG), with its wide industry representation, is in a unique position to provide informed opinion and organise topical events. By facilitating constructive debates and conference discussions, it is able to develop industry positions for the Society on the complex issues facing the air transport industry.

To support the ATG’s activities we always welcome wider participation and new members. If you are interested in participating please e-mail conference@aerosociety.com.

Group Chairman: James Angus MRAeS

AIRWORTHINESS & MAINTENANCE
The Airworthiness & Maintenance Group’s membership is drawn from all sections of the industry with representatives from large and small airlines, aircraft and component manufacturers, regulatory authorities, research establishments, Armed Forces, rotorcraft and maintenance repair and overhaul (MRO) establishments. The broad concepts of airworthiness and maintenance, including certification, are addressed, examined and discussed in the context of new developments in technology, management and maintenance practices together with the problems of in-service aircraft and equipment. The Group arranges visits to industry and conferences covering subjects of current interest or concern.

Group Chairman: Colin Dallimore FRAeS

AVIONICS & SYSTEMS
This Group provides a forum for those involved in all aspects of the wide range of avionic and mechanical systems on manned and unmanned, fixed wing and rotary, civil and military aircraft. The activities of the Group cover the related interests of the airframe, engine, systems and equipment manufacturers during design, development, test and manufacture, as well as the in-service aspects of operation and maintenance. The Group holds a number of conferences and lectures each year, many of which are organised jointly with other RAeS groups or other organisations, taking into account the interactions between systems and other aerospace disciplines.

Group Chairman: John Hughes AMRAeS

FLIGHT OPERATIONS
The Flight Operations Group membership is made up of representatives of all areas of aviation affecting commercial aviation operations including both airlines and the Royal Air Force, air traffic, airports, regulators and particularly to enhance safety. Membership is drawn from six different countries, meeting five times a year. The Group is very active in promoting publications regarding piloting as a career and safe flight operations. The Group is particularly involved in the promotion of better pilot selection, training, mentoring and monitoring. The Group works closely with others to establish the Society’s conferences in this area.

Group Chairman: Capt Pete Terry FRAeS

FLIGHT SIMULATION
Flight Simulation is an exciting and integral part of aviation, supporting training, engineering development, academia, research and manufacturing, bringing together many sciences and technologies.

The Group organises two international conferences and two named lectures annually. In addition, it leads an international group reviewing the range of flight simulation devices to harmonise technical standards under ICAO 9625 and another international group to define requirements and standards for upset recovery training.


The Group also assists in the judging of a flight simulation competition for university students and co-sponsors the Cranfield University Course ‘Introduction to Flight Simulation’.

Group Chairman: Mark Dransfield FRAeS

FLIGHT TEST
The Flight Test Group aims to ‘promote the value and values of flight testing within the RAeS and the wider aviation community’ by providing advice to the Society on flight test matters, sponsoring lectures on recent and current programmes, promoting symposia on flight testing and being available, both as individuals and as a group, to provide advice on flight testing practices.

Group Chairman: Andrew Strachan

GENERAL AVIATION
The General Aviation Group (GAG) aims to promote increasing professionalism among the GA community as a whole but with a particular emphasis on aircraft design and engineering. The GAG covers the whole range of GA from business jets, through flight training to recreational flying, microlights and gliding.

The GAG organises an annual conference held in November and, in recent years, this has concentrated on light aircraft design and manufacturing, with a following of regular delegates. There are usually two lectures held in the Spring of a more general nature; recent topics include the history of design and flying of water aircraft and n-dimensional systems and ultralights. The GAG has recently announced a new competition for a sub 115kg microlight design. The competition is to be spread over a two-year timescale.
to allow universities to offer this to students seeking a suitable subject for a dissertation in the 2013-2014 academic year.

The GAG committee members represent the GA community and the RAeS on the relevant Civil Aviation Authority (CAA) Committees. In 2006 the GAG published a landmark Discussion Paper on Experimental Aircraft in which members examined critically the key market options to minimise it.

Group Chairman: John Edgley MRAeS

**GREENER BY DESIGN**

Probably uniquely at the time, ‘Air Travel — Greener by Design’ was inaugurated in 1999 to bring together experts from every part of the aerospace community (manufacturers, airlines and airport operators, government departments, etc.) to seek practical environmental and economically sustainable solutions to the challenge posed by the impact of aviation on the environment. Some of its original objectives of increasing the awareness of the environmental issues facing aviation have been achieved. With several other formal Groups now active in the field, ‘Greener by Design’ is now embodied in the governance structure of the Royal Aeronautical Society while continuing to provide an independent voice in communicating with, advising and informing stakeholders and public alike on the impact of the environmental challenge. All aspects are covered by the Group, including the impact on Climate Change and the local issues around Airports of Noise and Air Quality. An annual conference is organised — recent topics have been Impact on Climate Change and Biofuels.

Greener by Design has provided expert advice for RAeS responses to relevant Government consultations, etc. and various reports have been published, available on the RAeS/Greener by Design website, including an annual update on current knowledge about aviation’s environmental impact and the latest developments in technologies, operations, regulatory matters and market options to minimise it.

Going forward, the Group intends to continue to examine critically the key challenges relating to the future impact of Aviation on the Environment.

Group Chairman: Prof Jeff Jupp FRAeS

**HISTORICAL**

The Historical Group provides a focus within the RAeS for the study, discussion and interpretation of aerospace history and contributes on behalf of the Society to wider activities in this field.

The Group holds several lectures a year at Hamilton Place, and is represented on a Society Committee that awards Heritage Plaques to commemorate people, places or things of significance to the history of British aviation. Members also serve on the National Aerospace Library Working Group.

The Journal of Aeronautical History was launched in 2011 to make accessible papers that are of high quality but are unsuitable for The Aeronautical Journal because their topics are historical rather than technical. It is published on the Society’s website and, during 2012, six more papers were added; more will be added after refereeing.

The Group also arranges visits to museums and other sites of historical significance, and attempts to answer questions on historical matters put to the Society.

Group Chairman: Peter Elliott

**HUMAN FACTORS**

Human factors (HF) can be considered as human performance as a reflection of the context within which it takes place; factors which have the potential of causing injuries to personnel, damage to equipment or structures, loss of material, or reduction of the ability to perform a prescribed function.

The aim of the HF Group (HFG) is to promote the understanding of those factors and the management of error in all aspects of aeronautics throughout the UK & Europe. Although it is recognised that aviation is an international business, the HFG’s activities must necessarily be limited to areas where there is most benefit to be gained by its UK ‘customers’ — who include aviation professionals, security staff, designers, manufacturers, regulators, unions, industry bodies, safety organisations, government funding agencies, academia, trainers, influencers, consultants, accident investigators, researchers and the flying public.

Strategies include improving standards of safety by promoting better industry understanding of HF hazards and techniques for dealing with them; providing communication, education and training on HF matters; working with relevant agencies and other RAeS Specialist Groups to achieve a co-ordinated aviation HF strategy; encouraging HF research and development in aviation; arranging a programme of lectures, conferences and mini-conferences; developing position, discussion and specialist papers; and providing practical ‘front line’ advice, guidance and tools that are useable in the workplace.

Group Chairman: Nicole Svatek

**HUMAN POWERED AIRCRAFT**

The aim of the Human Powered Aircraft Group is to encourage and foster an interest in the continual quest of humans to fly under their own power.

The Group administers the Kremer International Marathon and Sporting Aircraft Competitions as a means of encouraging research and experiment in this field. In addition there is a new competition for schools or youth groups to build and fly a human-powered aircraft, as well as the second Icarus Cup proposed for 2013.

Group Chairman: Dr Bill Brooks FRAeS

**MANAGEMENT STUDIES**

The aim of the Group is to increase awareness, appreciation and understanding of management issues in aerospace and to provide a forum for industry, academia, the Ministry of Defence and civil aerospace organisations to discuss management techniques and advances.

We are currently seeking new committee members to address these important issues, so please contact the Conference & Events team if you feel you could offer your knowledge and expertise.

Group Chairman: Vacant
**PROPULSION**
The Combined Propulsion Technical Activity Committee (CPTAC) is a collaboration in the area of aerospace propulsion between the relevant RAeS Specialist Group and the IMechE Technical Advisory Committee. It benefits from the expertise of both parent Societies’ members.

The aim of CPTAC is to promote interest in aerospace propulsion to the widest possible community. Members of CPTAC reflect this broad aim, coming from industry, academia (staff and students), operators, government departments and regulatory bodies. CPTAC provides technical advice to both Societies on propulsion-related topics, covering powered aircraft, space vehicles, missiles and auxiliary power units.

**Group Chairman:** Peter Curtis MRAeS

**ROTORCRAFT**
The Rotorcraft Group serves as the focus within the RAeS for all matters related to helicopters and other rotary wing aircraft. It is a multi-disciplinary group with broad interests, including research and development of new technology, manufacture, operations (both military and civil) and regulation. Sitting three times per year, the group is able to pool the expertise and specialist knowledge of all parts of the rotorcraft community operating in the UK to effect the preparation of Position Papers, advice and guidance to the HQ staff, a co-ordinated response to the media and the organisation of conferences and lectures on significant matters impacting or expected to impact our community. The group places particular emphasis on the safe operation and environmental impact of rotorcraft, on promoting the expansion of the role of civil and public service rotorcraft to the benefit of the community and on support to schools with the aim of encouraging pupils to select aeronautical engineering as their career of first choice. The Group organises one major conference each year. Annual named lectures to commemorate the contributions made by Juan de la Cierva and Alan Bristow to the art, science and operation of rotorcraft are sponsored by the Group.

**Group Chairman:** Jeremy Graham MRAeS

**SPACE**
Space is an increasingly important domain of commercial, military and scientific endeavour in the 21st century. The Space Group aims to ensure that the Society and its members are able to lead and provide foresight within the space community. Lectures, conferences and discussion papers are provided regularly on topics critical to the sector. In recent years this has included lectures by world authorities on launch vehicles, satellites and interplanetary missions, discussion papers on Britain’s space exploration policy and, in 2012, the highly successful 3rd triennial conference on Space Tourism. In 2013, the group will organise several lectures including one by Tim Peake, the UK’s first ESA Astronaut.

**Group Chairman:** Philip Davies FRAeS

**STRUCTURES & MATERIALS**
The aim of the Structures and Materials Group is to assist the Society and its members to understand the complex subjects of material use and structural design and analysis (including statics, dynamics and aeroelastics). It also covers the areas of manufacturing and testing in as much as this effects material and design requirements. The scope extends to cover advanced CAD, CAM and CAE tools and includes Multidisciplinary Design Optimisation methodology and application. New materials development is considered in relation to its influence on structural efficiency and integrity, aeroelastic performance and production processes. The Group also supplies the UK representative on the CEAS Structures and Materials Technical Committee. The Group organises a number of national and international conferences which cover the various topics in its remit.

**Group Chairman:** Dr Malcolm Nash FRAeS

**UNMANNED AIR SYSTEMS**
A UAS is an unmanned aircraft system; an aircraft with no onboard pilot. UAS can be manually controlled aircraft (e.g. directly flown by a pilot through a ground control station), operated through pre-programmed flight plans or by more complex dynamic automation systems involving on board sensors and/or processed data. UAS are currently used extensively by the military in the surveillance and ground attack roles and are now finding greater use in civil operations, including aerial photography, surveying and inspection, as well as in support of emergency services and disaster management teams. The UAS Group runs a two-day conference every year and has initiated the Langley Lecture, a Named Lecture started in 2006 to commemorate Samuel Pierpont Langley.

**Group Chairman:** André Clot MRAeS

**WEAPON SYSTEMS & TECHNOLOGY**
The Weapon Systems and Technology Group’s main aim is to promote the understanding of and interest in WS+T by means of public and classified lectures, symposia, conferences, workshops and classified debates. In furthering this aim, the group recognises the many technical disciplines contributing to the field of WS+T, including aerodynamics, guidance, navigation, control, sensing, armament, propulsion, information technology, systems engineering, systems integration, operational analysis and concept studies.

**Group Chairman:** Bernard Chan ARAeS

**WOMEN IN AVIATION AND AEROSPACE COMMITTEE**
The Society’s newest committee, Women in Aviation and Aerospace, was officially launched at the third Women in Aviation and Aerospace Conference in October 2009. The group has been set up with the main remit to encourage more women into the industry and is the first in the UK to represent women working in all sectors of the industry. The women’s group is working hard to contact women working in aviation and aerospace to win their support for its key task: to encourage young women to consider aviation and aerospace as a challenging and worthwhile career. The group also plans to help women to further their careers in the industry by offering networking and mentoring support. Other aims include establishing a database of inspiring role models to highlight the work that women do in the industry and continuing to organise an Annual Women in Aviation and Aerospace Conference.

**Committee Chairman:** Clare Walker CRAeS
Medals & Awards

The Society takes great pleasure in honouring outstanding achievers. In 2011-2012 the Society made awards to individuals and teams, including nominees from AgustaWestland, University of London, SpaceX, BAE Systems, SAAB, Rolls-Royce, Marshall Aerospace and many more.

Each year the Society presents its prestigious awards at the headquarters in London. Among the highlights of the 2012 Medals & Awards winners were:

> Ing Santino Pancotti, Head of Preliminary Design Office, AgustaWestland, and Professor Michael Gaster, Research Professor in Experimental Aerodynamics, University of London, were awarded RAeS Honorary Fellowships, the world’s highest aerospace achievement awarded only for the most outstanding contributors to the aerospace profession.

> Elon Musk, CEO, SpaceX, was awarded the RAeS Gold Medal for work of an outstanding nature in aerospace.

> Robert Smith, Engineering Director Combat Air, BAE Systems, was awarded the RAeS Silver Medal for work of an exceptional nature leading to major advances or significant contributions in aerospace.

> The CAMPS Development Project Team at SAAB Electronics Defence Systems was awarded the Team Silver Medal at the 101st Wilbur & Orville Wright Lecture.

> Stephan Carignan, Programme Manager, Institute for Aerospace Research, was awarded the RAeS Bronze Medal, accompanied by the Alan Marsh Medal, for work leading to advances or significant contributions in aerospace.

> Martin Maltby, Technical Director, Europrop, was awarded the RAeS Bronze Medal for work leading to advances or significant contributions in aerospace.

> The CADS Project Team at BAE Systems Defence Information, Training and Services was awarded the Team Bronze Medal.

> Specialist Silver Awards were awarded to Professor John Harvey, Imperial College/University of Cambridge, and Richard Corran, Rolls-Royce for exceptional work which has led to significant advances or contributions within specialist disciplines in aerospace.

> Christopher Lane, Rolls-Royce, was awarded the Young Persons’ Achievement Award.

> Stuart Gates, AgustaWestland, was awarded the Alan Marsh Young Persons’ Award.

HONOURING OUTSTANDING ACHIEVERS
The Royal Aeronautical Society has been honouring outstanding achievers in the global aerospace industry since 1909, when Wilbur and Orville Wright came to London to receive the Society’s first Gold Medal. In the years that have followed, honouring world aerospace achievers has become a permanent tradition of the Society.

WHO QUALIFIES FOR A MEDAL OR AWARD?
The Royal Aeronautical Society Medals and Awards recognise the achievements and contributions of both individuals and teams. Both can be rewarded for achievements and contributions in all disciplines of the global aerospace industry. Anyone who has made an exceptional contribution to aerospace, anywhere in the world, whether, for example, in academia, aerospace manufacturing, air transport, air traffic control, defence, government or research is eligible. Nominees do not have to be members of the Royal Aeronautical Society.

WHO CAN NOMINATE FOR A MEDAL OR AWARD?
Any individual, working in any area of aerospace, anywhere in the world, can nominate another individual or team they know, by taking a few minutes to complete the simple nomination form which can be found on the Society’s website: www.aerosociety.com/medalsandawards or by contacting:

Bharat Davé
T +44 (0)20 7670 4371
E bharat.dave@aerosociety.com
Closing date for 2013 nomination forms is 31 March 2013.
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RAeS Foundation

Supporting the Society

The Royal Aeronautical Society Foundation was established in June 2006 to organise and co-ordinate fundraising for the Society’s charitable activities, initially the Centennial Scholarship Fund and the National Aerospace Library (NAL) or other future projects as directed by the Trustees.

The Foundation is managed by a dedicated committee, headed by the Chief Executive and esteemed Fellows from the Society’s membership, including Past Presidents.

The Foundation has recently been reinvigorated in its pursuit of enabling financial support to further the Society’s objectives. In particular, attention has now been turned towards the Society’s Headquarters at No.4 Hamilton Place, in terms of repayment of the mortgage. These are important activities in not only guaranteeing the long term future of the Society but to also ensure membership benefits are being delivered from the Society’s Headquarters.

In 2012 the Foundation supported various charitable initiatives including Cool Aeronautics (educational programme aimed at primary schools), printing educational/career material for schools and universities, conference for apprentices, creating online access for the Society’s Lectures and continued its support of the Centennial Scholarship Fund and NAL. The Foundation will continue this support in 2013, as well as supporting new initiatives encouraging young people (and the general public) within the UK and overseas to learn more about aviation and the Society.

Members (and non members) can help the Society through the Foundation in a number of different ways:

**GIFT AID**
By filling in a Gift Aid (GA) declaration a member (UK only) can let the Society claim GA on their current and past (four years) membership subscriptions and any donations given to the Society. The Society/Foundation will be able to claim 25p in every £1 donated.

**DONATIONS**
Members can donate either by monthly or annual instalments with/through normal annual subscriptions and, if they also sign a GA declaration, a further 25p for each £1 donated can be claimed from the HMRC.

**EASYFUNDRAISING**
By shopping online via easyfundraising (http://www.easyfundraising.org.uk/causes/royalaeronauticalsociety) individuals can support the Foundation/Society by purchasing their goods through this site. Whatever they need to buy, from their weekly grocery shop or fashion must-have, to their business travel, office supplies or mobile phone, by buying it via easyfundraising they will be raising money for the Society at no extra cost to them.

**SELF ASSESSMENT GIVING**
Individuals can donate any tax refund (plus GA) on their Self Assessment Return to the Foundation.

**GIVING STOCKS/SHARES**
This is a tax-effective way of supporting the Foundation. Gifts of shares/securities, etc. are free of capital gains tax and can be also offset against taxable income (both standard and higher rate) — individuals can deduct from tax the market value of the shares/securities at the date of disposal (plus incidental costs).

**LEGACIES**
A member can support the Foundation by leaving a Legacy; if they have already made a Will and then decide to bequest to the Foundation they can do so by means of a Codicil.

**LIVING LEGACIES**
Members can opt for a Living Legacy whereby they agree to bequeath a certain amount to the Foundation but make an annual contribution with the proviso that the residual amount (if any) will be due from their estate on death. Note — any bequests to the Foundation are exempt from inheritance tax.

**COVENANTS**
Members can set up a Deed of Covenant (min four years) to support the Foundation activities or give them a choice to support specific activities (i.e. the purchase of 4HP, Centennial Fund, NAL/other activities etc). Members/donors can get tax relief on their payments.
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Centennial Scholarships —
Winners 2012

Enabling achievement and supporting aerospace in the 21st century.

Congratulations to the following individuals and organisations on their achievement.

**Individual Awards**

**Mr Abdul-Hay Adam**  
Cranfield University  
Tuition fee support towards MSc in Thermal Power.

**Ms Priyanka Dhopade**  
University of New South Wales, Australia  
Tuition fee support for five-day intensive turbomachinery course at Whittle Laboratory, Cambridge University, as part of research for a PhD in Aerospace Engineering (specialising in gas turbines).

**Mr Neeraj Durgai**  
Cranfield University  
Tuition fee support towards MSc in Aerospace Dynamics.

**MESSIER-BUGATTI-DOWTY 2012 AWARD**  
**Mr James Edwards**  
University of Glamorgan  
Tuition fees support towards MSc Leadership and Management.  
ALAN SNUDDEN 2012 AWARD

**Miss Jendi Kepple**  
University of New South Wales, Australia  
Support towards research placement at the DLR Institute of Composite Structures and Adaptive Systems in Brunschweig, Germany, for a PhD by Research in Aerospace Engineering (New Design Approach for Imperfection Sensitive Composite Launcher Structures).

**Mr Shovon Mostofa**  
Cranfield University  
Tuition fee support for MSc Aerospace Vehicle Design.

**Dr Daniela Petrova**  
University College London  
Tuition fee support for final year elective project at Harvard University looking at genetic tendency towards cancer and increased probability of developing the disease following exposure to high radiation environments such as space travel, particularly focused on astronaut screening.  
GORDON P OLLEY 2012 AWARD

**Mr Anuj Sachdeva**  
Institut de l'Aéronautique et de l'Espace, France  
Tuition fee support for MSc Aerospace Mechanics and Avionics.

**Miss Maya Shinozaki**  
University of Cambridge  
Support towards PhD in Materials Science, specifically, research costs for an Investigation into the deposition behaviour of volcanic ash on to turbine blade surfaces inside a small jet engine, to take place in AMT, The Netherlands.

**Miss Alexandra Stefanescu**  
University of Sheffield  
Tuition fee support for MSc Aerodynamics and Aerostructures.  
ROBERT BLACKBURN 2012 AWARD

**Mr David Bills**  
Royal Aero Club Trust  
Support for Royal Aero Club Trust Flying for Youth Scheme aimed at young air sport enthusiasts aged between 16-21 years.

**Mr Mike Clews**  
The Joystick Club  
Funding to complete the club’s mobile simulator built on a PA38 Tomahawk fuselage which is used in schools and scout clubs to introduce young people to flying and aviation.

**Ms Elizabeth Donnelly**  
ADS Group  
Support towards costs of prize trip to the USA to visit to NASA and other aerospace centres for the winners of the 2012 UK Aerospace Youth Rocketry Challenge (Perse School, Cambridge).

**Ms Georgina Hare**  
Arkwright Scholarships Trust  
Support for using the LAA’s youth-built build-a-plane light aircraft to be used to introduce aviation to young people at exhibitions at events around the UK.

**Ms Andre Faehndrich**  
LAA YES Educational Trust  
Support for using the LAA’s youth-built build-a-plane light aircraft to be used to introduce aviation to young people at exhibitions at events around the UK.

**Ms Joan Whitehouse**  
Engineering Education Scheme West Midlands  
Support towards workshops for 16-18 year-olds taking part in the scheme which offers students a real-life engineering problem to solve, working with industry.

**Team Awards**

**Associate Professor Cees Bil**  
RMIT University, Australia  
Support for RMIT University’s, ‘Night at the Museum’ event aimed at Year 11 and Year 12 high school students and junior university students in the summer of 2012.

**Mr David Bills**  
Royal Aero Club Trust  
Support for Royal Aero Club Trust Flying for Youth Scheme aimed at young air sport enthusiasts aged between 16-21 years.

**Mr Mike Clews**  
The Joystick Club  
Funding to complete the club’s mobile simulator built on a PA38 Tomahawk fuselage which is used in schools and scout clubs to introduce young people to flying and aviation.

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Our services which span the entire acquisition cycle, include:

- Research facilities
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Developing the future — the RAeS approach

For a number of years, the Royal Aeronautical Society has been involved in a wide range of activities which aim to inspire young people to explore the world of aerospace; from providing in-depth, impartial careers information and guidance; to supporting the professional development of early career professionals.

The Society’s Careers & Education Department, supported by a network of Society members and volunteers with diverse backgrounds — including aerospace engineering, flying, education and careers/employability — work on a wide range of projects to achieve the same goal: to attract and retain a continuing supply of talented people into aerospace and aviation in the 21st century.

JOINED UP AIMS
The Society’s work with young people broadly fits around the following objectives:
> To encourage those with an early interest in aerospace and aviation;
> To spread the word about what being involved in the industry can offer;
> To retain talent within the industry;
> To encourage, develop and recognise young people’s achievements

HOW
Through a dedicated department with links to knowledge and experience across the Society and the aerospace and aviation sectors we have developed a number of key programmes, many of which are undertaken with key internal and external partners such as the RAeS Specialist Groups & Branches, ADS and Boeing.

Our core activities include:
> Cool Aeronautics primary school programme
> Fun Kids radio series, ‘Amy’s Aviation’
> Ballantyne event for secondary schools
> Schools Build-a-Plane Challenge
> UK Aerospace Youth Rocketry Challenge
> The dedicated careers IAG website: www.careersinaerospace.com
> The Careers in Aerospace LIVE recruitment fair
> Career Flightpath magazine and suite of careers leaflets
> A complete 1-2-1 Careers Guidance service
> Careers & CV Workshops at Universities and Colleges
> Centennial Scholarships and Aerospace Speaker Travel Grants
> Presence at major events such as the Farnborough Air Show Futures Day and the British Military Tournament

The Society staff are also members of those external groups which can influence and enable policy in the areas of careers and education including the Aerospace and Defence Sector Skills Group — whose role is to lead the development and implementation of the national skills strategy for the UK aerospace and defence sectors — and the pan-institution group, Education 4 Engineering (E4E).

Furthermore, the Society’s Young Members actively work to provide networking and professional development opportunities to our significant young membership, including the annual Young Members’ Conference, Young Persons’ Lecture, AeroChallenge and Young Persons’ Medals & Awards.

In 2013 we will are looking to develop a new strategic direction for our outreach, education and careers activities and increase the Society’s input into Government policy-making through the proposed new Education and Skills Committee.

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Careers and Education Department
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United Kingdom

Learn more about some of the above activities during 2012 on the following pages.
Available to view at the National Aerospace Library are:

› Over 20,000 aeronautical books
› A vast collection of key aviation journals
› Over 40,000 technical reports
› Extensive holdings of Air Publications, ATA handling notes and air accident reports
› Extensive current holdings of International Civil Aviation Organization (ICAO) Documents / Annexes / Circulars
› Notices to Airmen / The Air Pilot / UK Aeronautical Information Publication (AIP)
› A complete set of Jane’s All The World’s Aircraft
› Historically important past minutes of the Society of British Aircraft Constructors / Aerospace Companies (SBAC) Council and its various committees dating from 1916-2000
› Extensive online database
Careers Centre and Education Activities

The Royal Aeronautical Society’s Careers Centre was established in 1997 and has worked around three key objectives:

> Support people seeking employment in the aerospace and aviation community

> Provide impartial information on the various career paths and entry routes offered by the sector

> Promote aerospace and aviation to a new generation

To achieve these objectives, the Careers and Education team has undertaken a range of activities, including production of specialist careers leaflets and magazines, 1-2-1 careers guidance appointments, events, competitions and initiatives for all ages to promote the sector and, in 2010, the launch of a dedicated website in partnership with ADS www.careersinaerospace.com

Ballantyne Event 2012

The Society runs an annual event for secondary schools at its prestigious headquarters to introduce aerospace career opportunities in the context of current issues facing the sector and their impact on the industry. As well as hearing directly from aerospace professionals on their experiences, attendees are also offered the chance to have their say through engaging and interactive afternoon activities.

With the excitement surrounding London's hosting of the Olympic and Paralympic Games 2012, it was only fitting that the 2012 event explored the links between aerospace and sport, health and fitness for one of our most innovative programmes yet.

The morning programme included talks on human performance from Jonathan Scott and Alec Stevenson of QinetiQ showing the effects of 5G on the human body with an amazing video; Lauren Richardson on her training programme to become the UK's leading aerobatic pilot; aerospace engineering applications in Formula 1 with the Lotus F1 team Technical Director, James Allison and ended with Charles ‘Chuck’ Lloyd, the Program Manager of the Human Research Program from NASA, talking about the problems that the human body encounters in space flight and long period stays in space.

The afternoon programme saw things really hotting up with the first ever 'RAeS Games' — a range of interactive workshops planned based on the morning’s theme, including a few physical challenges for the students to take part in led by the NASA team who carried out astronaut fitness tests with students based on the NASA Mission X competition. GAPAN — who were on hand all day to provide pilot aptitude tests — agreed to make things more tricky than usual with some noise distractions to disturb concentration and QinetiQ demonstrated their anti-G trousers and performance monitoring equipment. It was an unforgettable day for all attendees.

The 2013 event will take place in the Spring and will focus on Apprenticeships and University routes into aerospace and aviation: with tuition fee increases, the development of Higher Apprenticeships and hands-on engineering degrees, which is best? You decide!

Our thanks to the 2012 Ballantyne sponsor, Boeing UK, without whom the event would not be possible.

Amy’s Aviation — New Audio Series

Our children’s activities expanded even further in 2012 when the Royal Aeronautical Society teamed up with Fun Kids radio, the UK's only radio station dedicated to children aged 11 and under, to launch a new radio series called Amy Aviation.

The series follows new Fun Kids star Amy Aviation. Fascinated with planes — their history, future, and how they work — Amy takes listeners on a journey from the paper plane to Concorde and into space! Children get to learn about the technology used, the people who build them and the pilots who fly them too.

Through Fun Kids’ experience at creating educational content in a humorous, creative way, this 12-part series will present children with a fun introduction to aeronautics and aerospace development.

As well as being broadcast over the Fun Kids network which broadcasts on DAB Digital Radio in London and the South East, and online at www.funkidslive.com and through mobile phones and iPads, listeners can also sample Fun Kids content on YouTube and iTunes and is also available for free download from funkidslive.com and iTunes, as well as the RAeS website.
RAeS and ADS Careers in Aerospace website

Launched in 2010, RAeS and ADS have worked closely to provide an attractive and informative ‘one-stop-shop’ for careers information, advice and guidance (IAG) in one, easy-to-remember, online location: www.careersinaerospace.com

The site is designed to be easy to navigate, with clear sections for each user group, from school pupils to those seeking resources to help them find employment in the sector and was based on the work of Mark Furness, First Officer, RAeS associate member and founder of the website who created the structure and template and drove the project in its early stages.

The site includes:
> Information on the varied career paths that the aerospace, aviation, defence and space sectors offer
> News features including recruitment news, competitions, scholarships and useful events
> Advice on which GCSE or A Level subjects to take
> Apprenticeship information, college and university study
> Information on initiatives for schools and universities
> Career Resource section with application advice and job-hunting for students through to experienced professionals
> A company directory featuring aerospace companies, and separate directories for universities, colleges and Flying Training Organisations

Since its inception, ADS and RAeS staff have been heavily promoting the site to potential users at air shows, university talks and Careers in Aerospace LIVE, as well as the National Careers Guidance Shows (NGCS) throughout the UK to showcase to careers advisors and teachers. Unique user visits now exceed 20,000 per year and many visitors contact the Careers and Education team for further advice.

A key development for 2012 was the introduction of a new ‘Self Assessment Portal’, a series of aptitude tests for pilots, graduate engineers and apprentice engineers to better prepare for the selection process. Created by psychometric and selection technique specialists, cut-e (www.cut-e.com), the portal was launched via a competition in June 2012 and the page has been used by more than 1,000 visitors since its launch. Our thanks to cut-e for helping website users improve their chances of securing the role of their dreams.

In 2013 we are working to double unique visitor numbers and get more companies, universities, colleges and FTOs into the directories, one of the most popular areas of the site, and attract more case studies to provide role models to users of the site.

LIST YOUR ORGANISATION FOR FREE

The directories offer organisations from across the sector, large and small, an opportunity to showcase their profile free of charge and provide inspirational case studies for the site’s visitors.

There are currently about 140 companies from the UK aerospace engineering sectors but our target remains to have listed all UK aerospace, aviation, defence organisations — from aerospace manufacturers and aircraft maintenance organisations, to airlines and airports, flight training schools and universities and colleges.

The directory is free to use and takes just a couple of steps to enter your organisation, or the Careers team can do it for you.

Contact careers@aerosociety.com or +44 (0)20 7670 4325/6 for details and help us demonstrate the true importance of the UK aerospace and aviation sectors.

Case studies

We also require inspirational case studies and images of apprentices, graduates, students and experienced professionals to accompany the careers pages and company listings. If you would like to feature your staff or students, there is also no charge so please contact us.

CAREER FLIGHTPATH magazine

The third issue of the Society’s in-house magazine is due out in Autumn 2013 and, following on from the fantastic new look launched in 2012, will feature articles on aerospace and aviation career pathways, interviews and the latest news on technology and business developments. Features will include entry routes for engineering, flying and business/operations pathways, including apprenticeships and study routes, as well as careers and professional development advice.

Nearly 10,000 copies of the 2011 issue have been distributed at UK air shows, to schools, universities and colleges, recruitment fairs, educational events and to individuals. Limited copies of the 2011 issue are available which includes interviews with Monarch Aircraft Engineering apprentices, in-depth feature on the UK space industry, interviews with Dr Kevin Fong and Boeing Chief Test Pilot Suzanna Darcy-Hennemen and features on regional airport growth, ALM and future Airbus development.

Advertising opportunities

To advertise in the 2013 issue or request a free copy please contact the Careers and Education Manager.
Careers in Aerospace LIVE 2012

Careers in Aerospace LIVE 2012, the Society’s seventh annual careers and recruitment fair and the only UK event dedicated to aerospace and aviation recruitment, took place on Friday 9 November 2012 and was our biggest fair yet!

Visitor numbers were nearly double those of previous years with 750 coming from across the UK and overseas, including university students, graduates, apprenticeship seekers and experienced professionals making a career move. Not only were visitor numbers higher but again, exhibitors commented on the quality of attendees, showing more awareness and interest in the sector than at many other recruitment fairs they attend.

2012 also saw the highest number of exhibitors to date with companies such as Newton Europe, British Airways Engineering, Resource Engineering Projects, Caparo, MoD DESG and Raytheon joining for the first time, and the return of exhibitors such as Marshall Aerospace, CTC Aviation, QinetiQ and Boeing, providing a fantastic perception of an industry demonstrating growth opportunities despite the economic climate. We also showcased the Talent Retention Solution, a recruitment tool strongly supported by the Ministry of Defence DESG, Newton Europe, British Airways, British Airways Engineering, Caparo, Cranfield University, CTC Aviation, DSTL, Guild of Air Pilots and Air Navigators, Lockheed Martin, Marshall Aerospace, Messier-Bugatti-Dowty, Ministry of Defence DESG, Newton Europe, QinetiQ, Raytheon, Resource Engineering Projects, Royal Navy, Stop-Choc, RAeS Flight Simulation Group and Talent Retention Solution.

In addition to the exhibition, a full programme of company seminars and specialist talks provided visitors with more in-depth careers information covering:
- Becoming a pilot and the new Pilot Apprenticeship
- Careers at ‘Business Class’ exhibitors Airbus, Astrium and GKN Aerospace
- CV workshops
- Flight Simulation Careers
- Aviation Career pathways including Air Traffic, Airline and Airport Operations from the Aviation Skills Partnership
- Airline Engineering opportunities with Virgin Atlantic graduates

Afternoon ‘Speedy CV checks’ run for visitors unable to get into London regularly for the Careers 1-2-1 appointment service proved extremely popular and, once again, GAPAN offered free pilot aptitude tests throughout the day and impartial pilot training advice.

2012 EXHIBITORS

Many thanks to the following: AgustaWestland, Airbus (EADS), Aircraft Research Association, Astrium (EADS), Atkins, British Airways Engineering, Caparo, Cranfield University, CTC Aviation, DSTL, Guild of Air Pilots and Air Navigators, Lockheed Martin, Marshall Aerospace, Messier-Bugatti-Dowty, Ministry of Defence DESG, Newton Europe, QinetiQ, Raytheon, Resource Engineering Projects, Royal Navy, Stop-Choc, RAeS Flight Simulation Group and Talent Retention Solution.

This year’s event: Friday, 8 November 2013
Location: Royal Aeronautical Society, No.4 Hamilton Place, London W1J 7BQ, UK

Online visitor registration will be open from Summer 2013. Entrance will again be free for visitors and open to the public.

INTERESTED IN EXHIBITING?
For early-bird exhibitor rates, special Corporate Partner rates, booking forms and more information please contact: careers@aerosociety.com or +44 (0) 20 7670 4326/5.

Cool Aeronautics events for Primary Schools

Cool Aeronautics events, launched in 2007, are our primary school programme based around a day of aerospace-themed talks and interactive workshops with Key Stage 2 pupils from local schools at an aviation place of interest. In 2012 we relaunched the programme, boosted by additional support to increase the scale and quality of events from the Foundation Committee, hosting three events at RAeS HQ as well as taking the show on the road to the RAF Museum Cosford on two occasions and the Swansea Waterfront Museum.

Formula

The events aim to introduce children to the exciting world of flying, aerospace engineering and space. Mornings are dedicated to introducing the industry through interactive and original talks, and the afternoons offer workshops for the children to do some hands-on activities. Where relevant, there may also be guided tours of the venue and lunch is also offered to the children as the real VIPs at the events! In 2012 alone over 600 primary school children:
- Have met airline pilots, RAF officers, aeronautical engineers, space engineers, theatre performers, birds of prey and aerobatic pilots from organisations including University of Liverpool, Astrium (EADS), The Aerobatic Project and SSTL.
- Carried out workshops in spaceship design, paper rocket making, rocket cars, rubber band planes, spaceship design and the basics principles of flight.
- Have been inspired by a personal aerobatic gliding display staged just for them, learnt aviation heritage up front and encountered the dream of travelling into space.

Get involved

Thanks to the support of the RAeS Foundation, we are looking to increase the Cool Aeronautics programme across the UK. If you would like to run a Cool Aeronautics event in your area, or are a teacher or parent who like to see your school learn more about exciting world of aerospace and encourage STEM learning, please contact the RAeS Careers and Education Department.
Schools Build-a-Plane Challenge

2013: The challenge becomes an experience

This exciting challenge is now in its fifth year, during which two aircraft are planned to receive their Permit to Fly and take to the skies, offering experience flights for youngsters and inspiring their futures.

The scheme offers 14-18 year-olds a fun, educationally-relevant engineering and business project demonstrating the practical application of Science, Technology, Engineering and Maths (STEM) subjects and relevance to the real world with the aim of promoting greater take-up of physics and other technical subjects. Participating schools are encouraged to involve other students in aspects of the project, such as IT, PR, marketing and fundraising and run accompanying aviation projects in other subjects as history, geography, food science, art and design.

Thanks to the generous support of Boeing, the Society has continued to support six schools involved so far. The Light Aircraft Association (LAA) is also a key partner, helping mentor the schools through the build, as well as monitor and inspect the builds to ensure the aircraft meet their Permit to Fly requirements when complete.

BUILD 1: YATELEY SCHOOL: G-YTLY
Yateley School, Hampshire, with partner Court Moor, was very much a path finder for the scheme, identifying how a project of this scale would succeed in a school context, how long it would really take and what is actually involved in turning a kit of parts into a real working aircraft. In December 2012 G-YTLY became the first to receive its initial permit for flight testing and will be offering experience flights to those involved in the project during 2013.

G-YTLY was exhibited at Farnborough Air Show’s Futures Day where it was a popular and successful attraction.

BUILD 2: MARLING SCHOOL: G-SBAP
Marling School in Stroud received their kit in Autumn 2009, and built their plane with Stroud High and Thomas Keble schools. The aircraft was registered as G-SBAP in October 2012 and is undergoing ground testing. It is expected to fly during 2013, offering experience flights to students and others involved in the project. The project is led by a dynamic student team, who have exhibited the aircraft at RIAT and the British Military Tournament during 2012, providing ‘hands on’ interaction for hundreds of children and engaging thousands of interested visitors.

BUILD 3: BRIDGE LEARNING CAMPUS
Bridge Learning Campus in Bristol began its build in 2011 and continues to do well, being about 50% through its build, with a partner school newly on board and wider educational activities taking place.

BUILD 4: ERCALL WOOD TECHNOLOGY COLLEGE
Ercall Wood Technology College in Telford began building at the start of 2011 and has made great progress on the aircraft and wider educational initiatives. Ercall Wood continues to do a fantastic job of promoting its build and getting volunteers involved. They now have a partner, Phoenix School, who have completed a series of ‘sub-contracts’ including flaps, ailerons, rudder, tailplane and door assemblies. The aircraft was 60% complete at the end of 2012.

During 2012 staff, students and volunteers exhibited their build at the Flying Show at the NEC in Birmingham, and at the British Military Tournament.

BUILD 5: NORTH EAST WOLVERHAMPTON ACADEMY
The NEW Academy took delivery of its kit in September 2012 with local press coverage. During the year it converted a disused caretaker’s garage into an impressive dedicated aircraft ‘factory’, receiving financial and in-kind support from the local community to do this. They will be bringing on partner schools during 2013 and continuing their wider educational programme.

BUILD 6: ERNESFORD GRANGE COMMUNITY SCHOOL
Ernesford Grange also took delivery of its kit in September 2012 and held a successful launch event with the media present and local radio coverage. During 2012 it worked on the educational programme and ‘warmed up’ by constructing an impressive aircraft simulator in a disused PA28 fuselage, which they have exhibited at many events including Teentech at the RICOH centre in Coventry (October) and the Flying Show at the NEC in Birmingham.
The Society offers a number of opportunities for you once you begin on your path to an aerospace career. By becoming involved, getting to know your contemporaries and possibly even gaining financial support, you can help take advantage of one of the key benefits of joining the Society — making lifelong friends and contacts who will be alongside you as your career develops.

There are a number of events each year aimed specifically at young members of the Society:

- AeroChallenge (February) — an opportunity for students and graduates to get together for a friendly competition challenging your aeronautical knowledge and skills.
- Young Persons’ Annual Conference — a dedicated event for young members focusing on key developments in aerospace and aviation and how they affect you.
- Young Persons’ Lecture and Awards Evening — hear from young pioneers and recognition of young talent.
- Medals and Awards for Young People — have your achievements in aerospace recognised through one of our dedicated awards.

Our thanks to AgustaWestland who sponsored the annual Young Persons’ Lecture and to the Department for Business, Innovation and Skills for sponsoring the annual Young Persons’ Conference.

Young Members write dedicated features in the members’ monthly magazines and don’t forget also the Centennial Scholarship scheme which provides assistance towards tuition fees for the future generation of aerospace and aviation achievers.

**CONTACT**

youngmembers@aerosociety.com
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Gareth Halstead, Events Manager on +44 (0)20 7670 4314
or email gareth.halstead@4hp.org.uk

www.4hp.org.uk

No.4 Hamilton Place, London W1J 7BQ
### Accredited Company Training Schemes

The Royal Aeronautical Society is licensed by the Engineering Council to accredit professional development schemes that are designed to help developing engineers on their way to registration as Chartered Engineers (CEng), Incorporated Engineers (IEng) or Engineering Technicians (EngTech).

The following organisations offer training and development schemes that are currently accredited, or are under consideration for accreditation, by the Society. Further details can be obtained from the Society or from the companies direct.

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<th>Company</th>
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<td>AgustaWestland</td>
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<td>Dstl</td>
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<td>Frazer-Nash Consultancy Ltd</td>
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<td>Marshall Aerospace</td>
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<td>Gloucester, Gloucestershire</td>
<td><a href="http://www.safranmbd.com">www.safranmbd.com</a></td>
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<td>QinetiQ</td>
<td>Boscombe Down, Farnborough and Bedford sites</td>
<td><a href="http://www.qineti.com">www.qineti.com</a></td>
</tr>
<tr>
<td>RAF Cranwell</td>
<td>Sleaford, Lincolnshire</td>
<td><a href="http://www.raf.mod.uk">www.raf.mod.uk</a></td>
</tr>
<tr>
<td>Rolls-Royce plc</td>
<td>Derby, Derbyshire, East Kilbride, Filton and Bristol</td>
<td><a href="http://www.rolls-royce.com">www.rolls-royce.com</a></td>
</tr>
<tr>
<td>Thales</td>
<td>Gatwick, West Sussex</td>
<td><a href="http://www.thalesgroup.com">www.thalesgroup.com</a></td>
</tr>
<tr>
<td>Virgin Atlantic Airways</td>
<td>Crawley, West Sussex</td>
<td><a href="http://www.virgin-atlantic.com">www.virgin-atlantic.com</a></td>
</tr>
</tbody>
</table>
## Accredited Academic Programmes

The Royal Aeronautical Society is licensed by the Engineering Council to accredit academic programmes that provide the exemplifying level of understanding, knowledge and skills to underpin professional competence to help graduates on their way to registration as Chartered Engineers (CEng) or as Incorporated Engineers (IEng). The following universities offer programmes that are currently accredited, or are under consideration for accreditation, by the Society. Further details can be obtained from the Society or from the universities.

<table>
<thead>
<tr>
<th>University of Bath</th>
<th>University of Bristol</th>
<th>University of Glamorgan</th>
<th>University of Glasgow</th>
<th>Glyndwr University</th>
<th>University of Hertfordshire</th>
<th>University of Liverpool</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEng (Hons) Aerospace Engineering</td>
<td>BEng (Hons) Aeronautical Engineering</td>
<td>BEng (Hons) Aeronautical Engineering</td>
<td>BEng (Hons) Aeronautical Engineering</td>
<td>BEng (Hons) Aeronautical &amp; Electronic Engineering</td>
<td>BEng (Hons) Aerospace Engineering</td>
<td>BEng (Hons) Aerospace Engineering</td>
</tr>
<tr>
<td>MEng (Hons) Aerospace Engineering</td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td>BEng (Hons) Aeronautical &amp; Mechanical Engineering</td>
<td>MEng (Hons) Aerospace Engineering</td>
<td>MEng (Hons) Aerospace Engineering</td>
</tr>
<tr>
<td>MEng Aeronautical Engineering with study in Continential Europe</td>
<td>MEng Aeronautical Engineering with study abroad</td>
<td>MEng (Hons) Avionic Systems</td>
<td>BEng (Hons) Mechanical Engineering with Aeronautics</td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td>MEng Aerospace Engineering with Space Technology</td>
<td>MEng (Hons) Aerospace Engineering with Pilot Studies</td>
</tr>
<tr>
<td>MEng (Hons) Aerospace Engineering with French/German</td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td>MEng (Hons) Aeronautical Systems Engineering with Avionics</td>
<td>MEng (Hons) Mechanical Engineering with Aeronautics</td>
<td>MEng Aerospace Engineering with Space Technology</td>
<td>MEng (Hons) Aerospace Systems Engineering with Pilot Studies</td>
</tr>
<tr>
<td>City University, London</td>
<td>Coventry University</td>
<td>University of Glamorgan</td>
<td>University of Cambridge</td>
<td>Glyndwr University</td>
<td>University of Hertfordshire</td>
<td>University of Liverpool</td>
</tr>
<tr>
<td>BEng (Hons) in Aerospace Systems Engineering</td>
<td>BEng (Hons) Aerospace Technology (IEng)</td>
<td><a href="http://www.city.ac.uk">www.city.ac.uk</a></td>
<td>MEng (Hons) Aerospace Engineering</td>
<td>MEng (Hons) Aerospace Engineering</td>
<td>MEng (Hons) Aerospace Engineering</td>
<td>MEng (Hons) Aerospace Engineering</td>
</tr>
<tr>
<td>MEng Aerospace Systems Engineering</td>
<td><a href="http://www.coventry.ac.uk">www.coventry.ac.uk</a></td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td><a href="http://www.newi.ac.uk">www.newi.ac.uk</a></td>
<td>MEng (Hons) Aerospace Engineering</td>
<td>MEng (Hons) Aerospace Engineering</td>
<td>MEng (Hons) Aerospace Engineering</td>
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<tr>
<td>MEng Automotive Engineering</td>
<td>MEng Automotive Engineering</td>
<td>MEng Automotive Engineering</td>
<td><a href="http://www.bath.ac.uk">www.bath.ac.uk</a></td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td>MEng (Hons) Aeronautical Engineering</td>
<td><a href="http://www.leeds.ac.uk">www.leeds.ac.uk</a></td>
</tr>
<tr>
<td>MEng Automotive Engineering with Motorsport</td>
<td>MEng Mechanical Engineering</td>
<td>BSc (Hons) Aerospace Technology with Management (IEng)</td>
<td>BEng (Hons) Aerospace Engineering</td>
<td>MEng Aerospace Systems Engineering with Pilot Studies</td>
<td>MEng Aerospace Engineering with Space Technology</td>
<td>MEng (Hons) Aerospace Engineering</td>
</tr>
</tbody>
</table>
MEng (Hons) Aerospace Engineering with Pilot Studies  
[www.liv.ac.uk](http://www.liv.ac.uk)

University of Loughborough  
BEng (Hons) Aeronautical Engineering  
MEng (Hons) Aerospace Engineering  
MEng (Hons) Systems Engineering  
[www.ibero.ac.uk](http://www.ibero.ac.uk)

University of Manchester  
BEng (Hons) Aerospace Engineering  
MEng (Hons) Aerospace Engineering  
MEng (Hons) Aerospace Engineering with Management  
MEng (Hons) Aerospace Engineering with Industrial Experience  
MEng (Hons) Aerospace Engineering with Study in Europe  
[www.man.ac.uk](http://www.man.ac.uk)

Queen Mary, University of London  
BEng Aerospace Engineering  
MEng Aerospace Engineering  
BEng Avionics  
MEng Avionics and Space Systems  
[www.qmw.ac.uk](http://www.qmw.ac.uk)

Queen's University Belfast  
BEng (Hons) Aerospace Engineering  
MEng (Hons) Aerospace Engineering  
MEng (Hons) Aerospace Engineering and Diplome D'Ingénieur  
[www.qub.ac.uk](http://www.qub.ac.uk)

University of Salford  
BEng (Hons) Aeronautical Engineering  
MEng Aeronautical Engineering  
BEng (Hons) Aircraft Engineering with Pilot Studies  
BSc (Hons) Aeronautical Engineering (IEng)  
BSc Hons Aviation Technology with Pilot Studies (IEng)  
MEng Hons Mechanical Engineering  
BEng Hons Mechanical Engineering  
[www.salford.ac.uk](http://www.salford.ac.uk)

University of Sheffield  
MEng (Hons) Aerospace Engineering  
BEng (Hons) Aerospace Engineering  
MEng (Hons) Aerospace Engineering with Private Pilot Instruction  
BEng (Hons) Aerospace Engineering with Private Pilot Instruction  
MEng (Hons) Aerospace Engineering with a Year in Industry  
BEng (Hons) Aerospace Engineering with a Year in Industry  
MEng (Hons) Aerospace Engineering with a Year in North America  
[www.shef.ac.uk](http://www.shef.ac.uk)

University of Southampton  
BEng (Hons) Aeronautics and Astronautics  
MEng (Hons) Aeronautics & Astronautics/Advanced Materials  
MEng (Hons) Space Systems Engineering  
MEng (Hons) Aeronautics & Astronautics  
MEng (Hons) Aeronautics & Astronautics/Aerodynamics  
MEng (Hons) Aeronautics & Astronautics/Air Vehicle Systems  
MEng (Hons) Aeronautics & Astronautics/Spacecraft Engineering  
MEng (Hons) Aeronautics & Astronautics/Engineering Management  
MEng (Hons) Aeronautics & Astronautics with European Studies  
MEng (Hons) Aeronautics & Astronautics/Structural Design  
[www.southampton.ac.uk](http://www.southampton.ac.uk)

University of Strathclyde  
BEng (Hons) Aeronautical Engineering  
MEng (Hons) Aerospace Engineering  
MEng (Hons) Aerospace Engineering with a Year in Industry  
BEng (Hons) Aerospace Engineering with Propulsion  
MEng (Hons) Aerospace Engineering with Propulsion  
BEng (Hons) Aerospace Engineering with Propulsion  
MEng (Hons) Aerospace Engineering with Propulsion  
[www.strathclyde.ac.uk](http://www.strathclyde.ac.uk)

University of Surrey  
BEng Aerospace Engineering  
MEng Aerospace Engineering  
[www.surrey.ac.uk](http://www.surrey.ac.uk)

University of Swansea  
BEng (Hons) Aerospace Engineering  
MEng (Hons) Aerospace Engineering  
BEng (Hons) Aerospace Engineering with a Year in Industry  
BEng (Hons) Aerospace Engineering with Propulsion  
BEng (Hons) Aerospace Engineering with Propulsion  
MEng (Hons) Aerospace Engineering with Propulsion  
[www.swan.ac.uk](http://www.swan.ac.uk)

University of the West of England  
BEng Aerospace Engineering  
MEng Aerospace Engineering  
BEng Aerospace Design Engineering  
BEng (Hons) Aerospace Systems Engineering  
MEng Aerospace Systems Engineering  
BEng (Hons) Aerospace Manufacturing Engineering  
MEng Aerospace Manufacturing Engineering  
[www.uwe.ac.uk](http://www.uwe.ac.uk)

**MASTERS DEGREES RECOGNISED AS FURTHER LEARNING FOR CEng**

University of Bristol  
MSc in Integrated Aerospace Systems Design (full-time) EngC ref: 10065  
EngD in Aerospace (part-time) EngC ref: 9515  
[www.bris.ac.uk](http://www.bris.ac.uk)

City University, London  
MSc Air Transport Management (part-time) EngC ref: 10089  
MSc Air Safety Management (part-time) EngC ref: 10090  
MSc Aircraft Maintenance Management (part-time) EngC ref: 10091  
[www.city.ac.uk](http://www.city.ac.uk)

Cranfield University  
MSc Advanced Lightweight Structures and Impact (previously Structures, Crashworthiness and Impact) (full-time) EngC ref: 8491

MSc Advanced Materials (full-time) EngC ref: 8454  
MSc Aerospace Vehicle Design (Aerospace Vehicle Design, Avionics and Structural Design option) (full-time) EngC ref: 8227  
MSc Aircraft Engineering (Engineering & Manufacturing stream) (part-time) EngC ref: 8226  
MSc Airworthiness (part-time) EngC ref: 10010  
MSc Computational Fluid Dynamics (full-time) (part-time) EngC ref: 10111  
MSc Engineering & Management of Manufacturing Systems (formerly Manufacturing Masters) (full-time) (part-time) EngC ref: 10109  
MSc Global Product Development management (full-time) EngC ref: 10872  
MSc Management of Information Systems (formerly Manufacturing Masters) (full-time) (part-time) EngC ref: 10110  
MSc Manufacturing Consultancy (formerly Manufacturing Masters) (full-time) (part-time) EngC ref: 37920  
MSc Microsystems & Nanotechnology (full-time) EngC ref: 9932  
MSc Motorsport Engineering and Management (full-time) EngC ref: 8321  
MSc Operations Excellence (part-time) EngC ref: 8074  
MSc Process Systems Engineering (full-time) (part-time) EngC ref: 8490  
MSc Sustainable Manufacturing (full-time) EngC ref: 10874  
MSc Thermal Power (Aerospace Propulsion Option) (full-time) EngC ref: 8959  
MSc Thermal Power (Gas turbine Technology Option) (full-time) EngC ref: 8958  
MSc Thermal Power (Rotating Machinery Engineering & Management Option) (full-time) EngC ref: 8960  
MSc Thermal Power (Power, Propulsion and the Environment Option) (full-time) EngC ref: 9454  
MSc Ultra Precision Technologies (full-time) EngC ref: 9930  
MSc Welding Engineering (full-time) EngC ref: 9931  
[www.cranfield.ac.uk](http://www.cranfield.ac.uk)

Cranfield University (Shrivenham)  
MSc Guided Weapon Systems (full-time) EngC ref: 10405  
MSc Military Aerospace & Airworthiness (part-time) EngC ref: 10202  
[www.cranfield.ac.uk](http://www.cranfield.ac.uk)

University of Glamorgan  
MSc Aeronautical Engineering (full-time/part-time) EngC ref: 10764  
[www.glam.ac.uk](http://www.glam.ac.uk)

University of Glasgow  
MSc in Space Mission Analysis and Design (part-time) EngC ref: 10007  
MSc in Aerospace Systems (part-time) EngC ref: 10008  
MSc in Aeronautical Engineering (new course)  
MSc in Aerospace Engineering (new course)  
[www.glasgow.ac.uk](http://www.glasgow.ac.uk)

Glyndwr University  
MSc Aeronautical Engineering (full-time/part-time) EngC ref: 9342  
MSc Avionics (new course — accreditation pending)  
[www.newi.ac.uk](http://www.newi.ac.uk)
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Air Chief Marshal Sir Stephen Dalton - Chief of the Air Staff - Royal Air Force

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The Society’s Air Power Group identified a clear need in the UK for an independent academic Research Fellow at senior level to seize, exploit and create opportunities to promote a broader and deeper understanding of air power across all sectors of society. So, in recognition of the anniversary of 100 years of powered flight and the 90th anniversary of the founding of the Royal Air Force, in 2008 the Air Power Group established a senior academic post at the University of Birmingham in the Department of Modern History. Peter Gray who left the Royal Air Force as an Air Commodore and Director of the Defence Leadership and Management Centre is the first incumbent. The following provides an update on progress made over the past year.

This is now the fifth year of the Fellowship and it is pleasing to report that air power studies at the University of Birmingham continue to flourish. The first of the Fellow’s PhD students has just submitted his thesis for examination, as have two Royal Air Force MPhil students; the latter were from the maritime patrol role and were researching into past procurement processes and policy. Two further full-time students will submit at the end of this academic year and the RAF Portal Fellows, who are on part-time programmes, continue to progress well. The first cohort of MA in Air Power History, Theory and Practice students have just submitted their dissertations and will graduate in December. The new intake has just started and the degree is recruiting well. There is ample interest from students wishing to convert to research degrees, so the aim of building a critical mass of independent air power thinkers is being realised.

The Fellow continues to maintain an active public and academic profile with speaking engagements including a paper to the David Lewis Memorial Seminar held by the London think-tank Policy Exchange, a paper on lessons for the future of air power from the Libya campaign to the Centre d’Etudes Strategique Aeriennes in Paris; a paper on the future of the air power in NATO is forthcoming at an Allied Command Transformation and University of Bologna conference. The Fellow has made a large contribution to the collaborative work of the Society in looking at European Defence Agency future air power shortfalls in collaboration with the Istituto Affari Internazionali (IAI) and the Fondation pour la Recherche Strategique. Press interest remains a regular feature, especially for background briefings.

The fellow has been appointed as an academic co-director of the University of Birmingham Policy Commission investigating the political ethical and legal implication for the United Kingdom of the increasing tendency for warfare to become more remote; this will include investigation of robotics, cyber and space. The Birmingham Policy Commissions bring leading figures from the public, private and third sectors together with Birmingham academics to generate new thinking on contemporary issues of global, national and civic concern.

In addition to a number of journal articles on contemporary and historical subjects, the Fellow’s latest book — The Leadership, Direction and Legitimacy of the RAF Bomber Offensive from Inception to 1945 (London: Continuum, 2012) was published in June. Changing War, edited along with Professor Gary Sheffield is due out next year along with an air power textbook entitled The Art and Science of Air Power; the contract for this has been agreed.

The Fellow is also working on a number of projects including the forthcoming Chief of the Air Staff’s air power workshop investigating the role of UK air power post-Afghanistan in addition to several projects around the centenary of WW1.

The most recent Society, Industry and University Fellowship Advisory Board was held at Birmingham in June 2012 and the Fellow was formally commended on the further development of the post and successful achievement of his objectives to date.

The initial funding for the post has been raised through donations from industry and the Royal Air Force. In this respect, we are indebted to:

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United Kingdom

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E info@axillium.com
www.axillium.com

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> Build consortia.
> Support partners in developing proposals and achieving funding.
> Co-ordinate all aspects of research projects and programmes.
> Support partners in disseminating and exploiting their research outcomes.
> Enable partners to work in new ways and share knowledge with new businesses, forging beneficial relationships that would otherwise not exist.
> Build knowledge that makes a difference to UK industry as a whole.
The RAeS Conference & Events Department organise a busy programme of conferences, lectures and events throughout the year.

There are approximately 70 events each year addressing the latest issues and providing the opportunity for professionals working in the same disciplines to meet and discuss their work.

Many conferences are backed by a full set of proceedings and lectures are recorded and released on the aerosociety podcast (visit www.aerosociety.com/podcast). The conference programmes are generated by the Royal Aeronautical Society’s Specialist Groups and supported by industry and academia alike, ensuring that the subject matter is relevant.

Restricted to Corporate Partner employees, the Society runs a programme of senior level evening briefings and an annual Corporate Partner Seminar which aims to examine the prospects of the aerospace community in the year ahead. The Conference & Events Department also runs a number of social events including the Annual Banquet, Golf Day, Aero ‘Pub’ Quiz and other ad hoc events. For the latest events diary, visit our website www.aerosociety.com/events where you can also view a list of conference proceedings available to purchase.

Benefits to members include:

- Reduced fees for conferences
- Discounts on proceedings
- Preferential rates for social events
- Early notice of free evening lectures
2013
Events Calendar

For more detailed information throughout the year please refer to the Diary section in the monthly issues of The Aerospace Professional, the website (www.aerosociety.com/events) or contact us on +44 (0)20 7670 4300.

7 January       WHITTLE LECTURE       Cranwell
8 January       CRANWELL LECTURE     Southend
9 January       SIR PETER MASEFIELD LECTURE    Gatwick
15 January      GORDON CORPS LECTURE    Toulouse
31 January      CORPORATE PARTNER SEMINAR  London
7 February      ASTRONAUT TRAINING AND HUMAN SPACE FLIGHT — THE NEXT STEPS    London
Tim Peake, Astronaut, European Space Agency
Space Group Lecture

7 February      SIR ARTHUR MARSHALL LECTURE  Cambridge
11 February     UAV LECTURE              Historical Group
13 February     GEOFF WILDE LECTURE       Derby
13 February     VERNON CLARKSON LECTURE   Chester
19 February     TEMPLER LECTURE          Farnborough
21 February     HENSON & STRINGFELLOW DINNER AND LECTURE  Yeovil
22 February     AEROCHALLENGE            Young Persons' Quiz
5 March        ENHANCING PERFORMANCE    Aerospace Medicine Group Symposium
5 March        STEWART LECTURE; PROTECTING AIRCREW AGAINST FIRES  London
Dr Mike Trudgill, Officer Commanding Aircrew Equipment Integration Group,
RAF Centre of Aviation Medicine
Aerospace Medicine Group Named Lecture

6 March        SIR FREDDIE PAGE LECTURE   Preston
7 March        R J MITCHELL LECTURE      Southampton
11 March       D F MCVINTYRE LECTURE     Prestwick
13 March       SIR JOHN CHARNLEY LECTURE  Bedford
14 March  JET TRANSPORT STALL TESTING  
Paul Bolds-Moorhead, Van Chaney, Boeing and Terry Lutz & Stephan Voux, Airbus  
Flight Test Group Lecture  
London

14 March  SHOLTO DOUGLAS LECTURE  
Heathrow

15 March  SADLER LECTURE AND DINNER  
Oxford

19-20 March  SECOND ANNUAL AIRCRAFT COMMANDER IN THE 21ST CENTURY CONFERENCE  
Flight Operations Group Conference  
London

20 March  CHADWICK LECTURE AND DINNER  
Manchester

21 March  AIRFIELD ACTION FORUM 2013: INTEGRATING AIRPORT SURFACE MOVEMENT AND ON-BOARD AIRCRAFT SYSTEMS TO OPTIMISE AIRPORT CAPACITY  
Air Transport Group Conference  
London

21 March  J D NORTH LECTURE  
Wolverhampton

8 April  TRENCHARD LECTURE  
Cranwell

10 April  SIR GEORGE CAYLEY LECTURE  
Brough

11 April  HISTORY OF AIR ACCIDENT INVESTIGATION  
Peter Coombs, Senior Inspector of Accidents, AAIB  
Historical Group Lecture  
London

17 April  SIR GEOFFREY DE HAVILLAND LECTURE  
Hatfield

18 April  DISRUPTIVE TECHNOLOGIES AND THE WEAPONS DOMAIN 2030 ONWARDS  
Weapon Systems & Technology Group Classified Conference  
QinetiQ, Farnborough

18 April  FOLLAND LECTURE AND DINNER  
Gloucester

18 April  LESLIE BEDFORD LECTURE  
Stevenage

10-11 May  BRANCHES CONFERENCE  
Portsmouth

14 May  ERNEST DOVE LECTURE  
Southend

15 May  RAeS AGM AND ANNUAL BANQUET  
London

16 May  FLYING BOATS OF THE EMPIRE  
Richard Knott, Historian and Author  
Historical Group Lecture  
London

21 May  AIRWORTHINESS, INNOVATION, REGULATION AND THE AIRCRAFT ENGINEER  
Airworthiness and Maintenance Group Conference  
London

5-6 June  ITQI CONFERENCE: IMPROVING TRAINING PROVISION  
IATA Conference  
London

10 June  SIR SYDNEY CAMM LECTURE  
Air Power Group Named Lecture  
London

12-13 June  MISSION TRAINING AND FLIGHT SIMULATION — TECHNOLOGY, CONCEPTS AND COLLABORATION  
Flight Simulation Group Conference  
London
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 June</td>
<td><strong>EDWIN A LINK LECTURE</strong></td>
<td>London</td>
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<tr>
<td></td>
<td>Flight Simulation Group Named Lecture</td>
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</tr>
<tr>
<td>24-27 June</td>
<td><strong>INTERNATIONAL FORUM ON AEROELASTICITY AND STRUCTURAL DYNAMICS 2013</strong></td>
<td>Bristol</td>
</tr>
<tr>
<td>26 June</td>
<td><strong>GOLF DAY FOR CORPORATE AND INDIVIDUAL MEMBERS</strong></td>
<td>Frilford Heath</td>
</tr>
<tr>
<td>1 July</td>
<td><strong>AIR LAW LECTURE AND SUMMER RECEPTION</strong></td>
<td>London</td>
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<tr>
<td>2 July</td>
<td><strong>SPACE TRAFFIC CONTROL</strong></td>
<td>London</td>
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<td></td>
<td>Space Group Conference</td>
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<tr>
<td>3 July</td>
<td><strong>DEFENCE LECTURE</strong></td>
<td>London</td>
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<td></td>
<td>Armed Forces Steering Group and Committee Annual Lecture</td>
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<tr>
<td>9 July</td>
<td><strong>ROTORCRAFT CONFERENCE</strong></td>
<td>London</td>
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<tr>
<td>19-28 July</td>
<td><strong>ICARUS CUP</strong></td>
<td>Sywell Aerodrome</td>
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<tr>
<td></td>
<td>Human Powered Flight Group Event</td>
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<tr>
<td>16-17 Sept</td>
<td><strong>UAS CONFERENCE</strong></td>
<td>London</td>
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<tr>
<td>19 Sept</td>
<td><strong>FLIGHT TEST LECTURE</strong></td>
<td>London</td>
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<tr>
<td>25-26 Sept</td>
<td><strong>8th ANNUAL INTERNATIONAL FLIGHT CREW TRAINING CONFERENCE: UPSET PREVENTION, RECOGNITION AND RECOVERY TRAINING FOR CIVIL AIRLINE PILOTS</strong></td>
<td>London</td>
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<td>1 Oct</td>
<td><strong>CIerva LECTURE</strong></td>
<td>London</td>
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<td></td>
<td>Rotorcraft Group Named Lecture</td>
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<td>7 Oct</td>
<td><strong>AEROSPACE MEDICINE AUTUMN LECTURE</strong></td>
<td>London</td>
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<tr>
<td>8-9 Oct</td>
<td><strong>PRESIDENT’S CONFERENCE</strong></td>
<td>London</td>
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<td></td>
<td>Flagship Society Conference</td>
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<tr>
<td>14 Oct</td>
<td><strong>BRITISH OVERSEAS AIRWAYS CORPORATION 1940-50</strong></td>
<td>London</td>
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<tr>
<td></td>
<td>Capt Dacre Watson</td>
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<td></td>
<td>Historical Group Lecture</td>
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<tr>
<td>15 Oct</td>
<td><strong>GREENER BY DESIGN CONFERENCE</strong></td>
<td>London</td>
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<tr>
<td>21 Oct</td>
<td><strong>YOUNG PERSONS’ ANNUAL CONFERENCE</strong></td>
<td>London</td>
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<tr>
<td>8 Nov</td>
<td><strong>CAREERS IN AEROSPACE LIVE</strong></td>
<td>London</td>
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<tr>
<td>11 Nov</td>
<td><strong>DEVELOPMENT OF THE RFC</strong></td>
<td>London</td>
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<td>Capt David Rowland, Past President, Royal Aeronautical Society</td>
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<tr>
<td></td>
<td>Historical Group Lecture</td>
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<tr>
<td>14 Nov</td>
<td><strong>FLIGHT TEST LECTURE</strong></td>
<td>London</td>
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<tr>
<td>15 Nov</td>
<td><strong>WOMEN IN AVIATION AND AEROSPACE CONFERENCE</strong></td>
<td>TBD</td>
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<tr>
<td>16 Nov</td>
<td><strong>JOE SUTTER LECTURE AND DINNER</strong></td>
<td>Seattle</td>
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<tr>
<td>20-21 Nov</td>
<td><strong>THE IMPLICATIONS OF THE CONVERGENCE OF DIGITAL MEDIA AND SOCIAL NETWORKS</strong></td>
<td>London</td>
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<tr>
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<td>Flight Simulation Group Conference</td>
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<tr>
<td>22 Nov</td>
<td><strong>YOUNG PERSONS’ LECTURE AND AWARDS EVENING</strong></td>
<td>London</td>
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</tbody>
</table>
Corporate Partner Events

Your opportunity to network with the decision makers at exclusive Corporate Partner briefings and events.

2012 Corporate Partner Briefings

Current and Future UAS Operations
Scott Winship, VP Advanced Concepts, Northrop Grumman and Sqn Ldr Chris Bulteel, Air Warfare Centre, Royal Air Force
Sponsored by:

Join Strike Fighter — An Update
Dave Scott, Director F-35, Lockheed Martin Aeronautics and Lt Cdr Adam Hogg, Requirements Manager, Joint Combat Aircraft, Ministry of Defence
Sponsored by:

Cyber Security
James Quinault, Director, Office of Cyber Security & Information Assurance, Cabinet Office
Sponsored by:

Aerospace and Defence Economics
Howard Wheeldon, Director of Policy, Public Affairs & Media, ADS
Sponsored by:

Is there a Future for the Small Facility in the Airframe/Engine MRO Business?
Paul Morgan, Head of Commercial, Lufthansa Technik Airmotive Ireland

Future Airports Policy — The Key Challenge for London
Sir David Rowlands, Chairman, Gatwick Airport Ltd
Sponsored by:

2013 Corporate Partner Events

Thursday 31 January 2013
CORPORATE PARTNER SEMINAR

Tuesday 19 February 2013
CORPORATE PARTNER BRIEFING
Carrier Operations in the 21st Century
Admiral Sir Mark Stanhope, First Sea Lord and Chief of the Naval Staff, Royal Navy
Sponsored by:

Is the Industry at Risk of Becoming Complacent about Safety?
Ken Smart, Former Chief Inspector of Air Accidents, Chairman of CHIRP and British Airways Board Member

Thursday 18 April 2013
CORPORATE PARTNER BRIEFING
The Low-Cost Airline Business
(Wtitle tbc)
Warwick Brady, Chief Operations Officer, easyJet Airline Co Ltd

Wednesday 15 May 2013
ANNUAL BANQUET
InterContinental London Park Lane, One Hamilton Place, London W1
Individual tickets and corporate tables available

Wednesday 26 June 2013
GOLF DAY FOR INDIVIDUAL AND CORPORATE MEMBERS
Frilford Heath Golf Club, Nr Abingdon, Oxfordshire
(Includes an optional Networking Dinner on Tuesday 25 June)

Additional briefing dates to be advised.
Exclusive to Corporate Partner staff, the Society runs a programme of senior-level evening briefings and an annual Corporate Partner Seminar which aims to examine key topics and projects in both civil and military aerospace. The Society also welcomes attendance by Corporate Partners at its Society events, in particular the Annual Banquet and the Royal Aeronautical Society Golf Day.

Corporate Partner Briefings provide a forum for frank and open discussion on issues that are topical and relevant to the aerospace industry. The Society has an excellent track record of securing high-profile speakers to deliver the briefings, including Heads of Industry, Government Ministers and influential figures from both academia and the public sector.

Attendance at briefings is a key benefit of corporate membership and these events are well attended at the highest levels of the aerospace community.

For further details about Corporate Partner events, please contact:

Gail Ward
Events Manager — Corporate & Society
Royal Aeronautical Society
T +44 (0)1491 629912
E gail.ward@aerosociety.com
The aim of the Corporate Partner Scheme is to bring together organisations to promote best practice within the international aerospace sector. With over 180 members worldwide, the scheme provides a respected and recognised independent forum of discussion and information exchange on issues facing the aerospace sector, as well as providing unique networking opportunities with influential figures in the industry, government and public sector. Key benefits include:

**CORPORATE PARTNER BRIEFINGS & EVENTS**
Exclusive to Corporate Partners and specially invited guests, these events are very well attended at the highest levels of the aerospace industry and prove a most popular form of networking. Briefings are free of charge and corporate events are at beneficial Corporate Partner rates. Please visit the Corporate Partner section of the RAeS website to find out more (www.aerosociety.com/Membership/corporate-partners).

**CONFERENCES, EVENTS, LECTURES, SPECIALIST GROUPS & BRANCH MEETINGS**
The Society has an extensive diary of events many of which are free to attend or are at a reduced rate for Corporate Partners. Please visit the Events Section of the RAeS website (www.aerosociety.com/events) to access the latest activities and select those specifically of interest to you. The RAeS also welcomes Corporate Partner participation in events through nomination of keynote speakers or session chairs within the conference and lecture programme.

**ANNUAL BANQUET AT PREFERENTIAL RATES**
Held at a prestigious London venue each May, the Society’s Annual Presidential Banquet is one of the most important social functions in the aerospace calendar, attracting over 500 guests. Corporate Partner members are able to book corporate tables at substantially preferential rates.

**CORPORATE PARTNER GRADUATE TRAINING SCHEME**
Corporate Partners who manage their own training scheme may wish to access special graduate packages associated with the Society’s high profile conferences. For more details contact the Conference & Events Dept.

**LIST OF CURRENT CORPORATE PARTNERS**
Your organisation will be included in the current list of RAeS Corporate Partners joining the elite of the aerospace industry committed to best practice, heritage and innovation. A full Corporate Partner listing may be found on the RAeS website and in the RAeS Handbook.

**RAeS HANDBOOK**
Annually published at the beginning of the year, the RAeS Handbook is an aide-memoir to all Corporate Partners highlighting the activities of its membership and the Society’s activities and links in the international arena. As a Corporate Partner you will receive a hard copy of this publication and a free listing in the Corporate Partner Section.

**FREE NOTICE IN ‘THE AEROSPACE PROFESSIONAL’ PUBLICATION**
In lieu of the next publication of the Handbook, the Society would be delighted to publish a short description (up to 100 words) highlighting your organisation’s activities, in the next edition of The Aerospace Professional as well as take the opportunity to announce your Corporate Partner membership status to all its readers.

**USE OF RAES CORPORATE PARTNER LOGO**
As a Corporate Partner you are invited to use the RAeS official Corporate Profile Recognition
Partner logo and thus reflect your commitment to best practice within the aerospace industry.

**SPONSORSHIP**

There are a number of occasions where individual organisations may raise their profile and be associated with a specific Corporate Partner event.

**Publications**

**RAeS PUBLICATIONS**

Corporate Partners receive complimentary copies of the Royal Aeronautical Society's monthly publications: **Aerospace International**, **The Aerospace Professional** and **The Aeronautical Journal**. In addition, all Corporate Partners have a unique login to the Society's website that provides access to all our publications (online only) dating back to c.2003. This now allows all Corporate Partner employees access to the latest and archive of our leading publications.

**THE ENCYCLOPAEDIA OF AEROSPACE ENGINEERING**

Corporate Partners may enjoy a substantial discount of 15% when purchasing the complete set of **The Encyclopaedia of Aerospace Engineering**. Published by John Wiley & Sons, the publication covers nine volumes with over circa 6,000 pages and is arguably the most authoritative work of its kind. The Royal Aeronautical Society has endorsed the publication and negotiated a special rate for Corporate Partner members.

**Professional Development**

**PROFESSIONAL STANDARD RECOGNITION FOR EMPLOYEES**

The Society encourages best-practice across the aerospace industry through professional recognition of individual skills, experience and qualifications as well as the opportunity to register with the Engineering Council. RAeS post-nominal designations are internationally recognised and respected, confirming achievement of expertise. Membership and registration levels include:

- Associate (ARAeS)
- Associate Member (AMRAeS)
- Member (MRAeS)
- Fellow (FRAeS) or Companion (CRAeS)
- Chartered Engineer (CEng)
- Incorporated Engineer (IEng)
- Engineering Technician (EngTech)

For more information please visit www.aerosociety.com/membership/become-member. To discuss general benefits of membership, contact Scott Phillips scott.phillips@aerosociety.com. For enquiries about grades of membership or Engineering Council registration, contact Lynn Beattie lynn.beattie@aerosociety.com.

**DISCOUNTED JOINING FEES**

Employees of Corporate Partners receive a financial incentive when applying for individual membership of the Society. In this instance RAeS will not charge the initial entry fee normally applicable for applications for Fellow (FRAeS), Companion (CRAeS) and Member (MRAeS).

**FREE ACCREDITATION COSTS**

The Society is licensed to accredit academic programmes that provide the exemplifying level of understanding, knowledge and skills to underpin professional competence to help graduates on their way to registration with the Engineering Council. Corporate Partners benefit from free accreditation of their professional development schemes, worth £1,000 + VAT.

**RAeS CAREERS CENTRE**

The Society has an established Careers Centre which runs a number of initiatives to promote aerospace, aviation and STEM subjects to young people, as well as provide guidance and advice to those seeking employment in the sector. For more information on supporting our educational initiatives please contact the Careers and Education Manager (rosalind.azouzi@aerosociety.com).

**CAREERS IN AEROSPACE WEBSITE**

ADS and the Royal Aeronautical Society maintain www.careersinaerospace.com which aims to showcase the aerospace industry to young people, their teachers, parents and careers advisors and provide in-depth and inspirational careers information, guidance and resources. RAeS will create an entry for Corporate Partners in the directory.

**Access to RAeS Facilities**

**USE OF THE NATIONAL AEROSPACE LIBRARY, FARNBOROUGH**

Located at the Hub in Farnborough, the Society’s National Aerospace Library houses over 100,000 books and publications and is probably the largest aeronautical archive in Europe. Corporate Partners may take advantage of free of charge research using the Library’s experienced staff and have access to other special volumes.

**USE OF RAeS HQ FACILITIES**

No.4 Hamilton Place is open all year, five days a week, except for standard UK Bank Holidays and the period between Christmas and the New Year, when the Society will reopen early in January.

The Members’ Lounge located on the second floor is open Monday to Friday from 9 am to 5 pm to members and their guests. Facilities include:

- Full complimentary Internet access
- Innovative bar menu

**THE AIRBUS BUSINESS SUITE**

Comprises of a fully equipped business lounge, three meeting rooms, plus a shower and cloakroom facilities. One meeting room (Toulouse Room) is free to Corporate Partners, while other rooms in the Business Suite are available to Corporate Partners at a 50% room hire discount.

**DISCOUNT ROOM HIRE**

In addition all RAeS Corporate Partners receive 20% off venue hire of the main reception rooms at No. 4 Hamilton Place, including the Bill Boeing Lecture Theatre.

**Financial Value**

Annual Corporate Partner membership fees depend on annual aerospace turnover, starting from as little as £1,000 + VAT and ranging in a five tier structure.

To find out more or discuss joining the Royal Aeronautical Society Corporate Partner scheme please contact:

Simon Levy, Corporate Partner Manager, at simon.levy@aerosociety.com
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Andrew Brookes, Managing Director

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More indepth profiles can be found on the Society’s website:  
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<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONVERGENT PERFORMANCE</strong></td>
<td>7011 Campus Drive, Suite 100, Colorado Springs, CO 80920, USA</td>
<td>Kacy Speiker-Vorce, Manager of Customer Care and Development</td>
</tr>
<tr>
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<td>Andrew Spencer</td>
</tr>
<tr>
<td><strong>DONRICH RESEARCH</strong></td>
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<td>Dr Donald Richardson</td>
</tr>
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<td>Rachel Lear</td>
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<td>Ismail Dockrat</td>
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<td>Ian Baines, Corporate Relations</td>
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