General Aviation Conference



ADVANCED DESIGN OF LIGHT AIRCRAFT

CURRENT AND FUTURE DESIGN

LONDON / 14 NOVEMBER 2016



Sponsors











ADVANCED DESIGN OF LIGHT AIRCRAFT

CURRENT AND FUTURE DESIGNS

Since the announcement of E Conditions in November 2015 a number of projects have already successfully applied them in realising new flying proof of concepts. (For further information of this please see the CAA publication, CAP 1220). The objective of the Royal Aeronautical Society General Aviation Specialist Group is to provide detailed design information that can be specifically applied to the design of GA aircraft. This will form the focus of the first half of the 2016 conference.

In the second half where E Conditions have been successfully used will be showcased as well as new upcoming developments that may in the not too distant future be used in the next generation of light aircraft design will be highlighted.

In the evening forum event the General Aviation Group would like to give the opportunity for both open discussion and for individuals or groups to present their ideas. The event will provide both a source of design information as well as to provide a networking event with some of the current aircraft designers and to those that have successfully made use of E Conditions.



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

Sponsors



Sponsorship and exhibition opportunities are available for this conference For more information please contact conference@ aerosociety.com or +44(0)20 7670 4345

Sponsorship & Exhibition

Please contact the Conference & Events Department for details on exhibiting, sponsorship and insertion of information into delegate packs.

Cancellations

In the event of cancellation, terms and conditions will apply. Please go to www.aerosociety.com/events for more details.

Contact Us

For any enquiries please contact the Conference & Events Department on E: conference@aerosociety.com T: +44 (0)20 7670 4345

TO REGISTER VISIT: www.aerosociety.com/LAD16

PROGRAMME - 14 NOVEMBER 2016

10:30	Registration & Refreshments		
10:55)	 CHAIRMAN'S WELCOME David Stanbridge MRAeS, Swift Technology Group, General Aviation Group, Royal Aeronautical Society 		
11:00	1) Stability and Control of Fixed Wing Aircraft: Learnings from the Design of a New Aircraft Joshua McGowan, CFD Engineer, Swift Aircraft		
11:30	2) Detailed Considerations in the Stressing of an Aircraft Fuselage David Lunn, Director and Ross Campbell, Fineunit Ltd		
12:00	3) Hybrid Power in Light Aircraft: Design Considerations and Experiences of First Flight Dr Paul Robertson, Lecturer, Department of Engineering, University of Cambridge		
12:30	4) High efficiency light aircraft design - options from sailplane technology Howard Torode, British Gliding Association Technical Officer		
13:00	Networking Lunch		
14:00	5) Auto-Gyros: Rotor Considerations Barry Jones, Managing Director, Bulldog Autogyro		
14:30	6) Aircraft Fatigue Testing Phil Spiers FRAeS, Head of AMRC Laboratories, Advanced Structural Testing Centre		
15:00	7) Simpler Certification Speaker TBC, EASA		
15:30	8) Experiences of an E Conditions Competent Person Alexander Ellin MRAeS, Senior Lecturer Aerospace Engineering, University of Teeside		
16:00	9) E Conditions One Year Review and the Future Outlook Mark Shortman Policy Manager, Civil Aviation Authority		

17:00 PANEL DISCUSSION

17:30 CLOSING REMARKS David Stanbridge MRAeS, Swift Technology Group, General Aviation Group, Royal Aeronautical Society

17:45 FORUM EXTENSION AND DISCUSSION

General Aviation Open Group Meeting During this time there will be a cash bar and short presentations taking place.

19:30 **FORUM ENDS**



REGISTRATION FORM:

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

TITLE:	FIRST NAME:		SURNAME:	
POSITION:				
ORGANISATION:				
ADDRESS:				
TEL NO:		FAX NO:		
EMAIL:		RAeS MEMBERSHIP NO:		

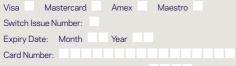
REGISTRATION FEES: (include refreshments and lunch)

	Fee £	VAT 20% £	Total £
Non-Member	90.00	18.00	108.00
RAeS Corporate Partner* (inc. Armed Forces)	75.00	15.00	90.00
RAeS Member	55.00	11.00	66.00
BGA/BMAA/LAA/IMechE Member	55.00	11.00	66.00
RAeS Baseline Member	50.00	10.00	60.00

RAeS Student Affiliate Members may attend free of charge subject to availability. * RAeS Corporate Partners are entitled to the special offer of five places for £280+VAT

CREDIT/DEBIT CARDS:

The RAeS can accept payment on the following payment cards



Please include your CVC security code:

These are the last 3 digits on the signature panel on the back of the card or 4 digits printed on the front of the Amex card

SIGNATURE:

X

METHODS OF PAYMENT:

All payments should be made in Sterling (UK£).

Online: Registration and secure payment can be made online at www.aerosociety.com/conference

Cheque: Should be made payable to the RAeS and enclosed with this registration form. Please add £15 if your cheque is not drawn on a UK bank to cover bank charges/currency exchange rates.

Bank Transfer: Payments can be made by bank transfer into Account No. 01564641, Sort Code 40 05 22, HSBC Bank Plc, Fifth Floor, 70 Pall Mall, London, SW1Y 5EZ, UK. Please indicate on the registration form if you have paid your fees direct.

Surcharge: Please note that there is an additional 2.5% surcharge for credit card payments and 4% surcharge for Amex cards. There is no surcharge for debit card payments or bank transfers.