

CALL FOR PAPERS



**ROYAL
AERONAUTICAL
SOCIETY**

Flight Simulation Conference

CHALLENGES IN FLIGHT SIMULATION



ADDRESSING TODAY'S CHALLENGES AND PREPARING FOR THE FUTURE

LONDON / 9 - 10 JUNE 2015

Flight Simulation has always been an industry full of significant challenges, spanning as it does the worlds of aircraft, the environment in which they operate and the technologies involved in delivering high quality FSTD training.

Aircraft and their environment are growing ever more complex and the technologies used to simulate them and provide training are constantly evolving. Aircraft, Avionics and FSTD manufacturers are increasingly asserting their Intellectual Property Rights and although the regulatory world moves slowly changes are happening and more are on the way.

This conference will include briefings on the challenges and current activities from invited speakers and attendees will have an opportunity to debate the issues and to propose actions or solutions. This Call for Papers is your opportunity to shape the debate with submissions on (but not limited to):

▪ **FSTD Qualification Testing**

- Reducing qualification costs; Is the QTG still fit for purpose?

▪ **Motion**

- Objective Motion qualification; Improving cueing close to/on ground; NextGen Motion Systems

▪ **'Mission' or 'Situational' Training for Civil and Military Fixed Wing Aircraft**

- Enhancing Civil simulation capabilities in an increasingly data rich environment; Evolution in training and checking requirements; Improving Military device interoperability; Impact of EBT

▪ **Modelling and Simulation as a Service**

- Exploiting the Cloud, what has been achieved, challenges and opportunities for the future

▪ **Simulated Air Traffic Control Environment**

- ICAO 9625 Ed4 content and relevance; Training system approval; Emerging best practice / are there still technical limits?; What will be the impact of / NEXTGEN/SESAR?

▪ **Data**

- Impact of protecting IP Rights on data availability, cost, fidelity and industry knowledge levels; Availability of Icing, Gusting and Post-Stall data to support ICATEE training.

INSTRUCTIONS TO AUTHORS

The Organising Committee invites prospective authors to submit abstracts of original work for presentation at the conference.

Abstracts should be written in English and contain between 200-500 words, preferably in electronic format, pdf or typed double spaced on A4 or 8 x 12 inch paper. Authors should submit their abstracts in electronic format only by Friday 6 February 2015. Selection will be made on the abstract content and applicability to the final published programme requirement.

Accepted scripts and presentations, fully cleared for publication and presentation, should be submitted by Friday 8 May 2015.

All written papers will be included in the conference proceedings and made available to delegates online. Accepted papers may also be considered for inclusion in the Royal Aeronautical Society's Aeronautical Journal, subject to the refereeing process. NB. Papers are preferred but are not mandatory.

It is important to note that all papers should not have been published previously and should avoid inappropriate sales and or marketing content.

The submission address for prospective papers to be included in the conference is rebecca.webb@aerosociety.com

Technical enquiries should be sent to the Chairman of the Organising Committee via the RAeS Conference & Events Department. Email: rebecca.webb@aerosociety.com Phone: +44(0)20 7670 4308

KEY DATES AND DEADLINES

- Abstracts submitted by: 6 February 2015
- Authors notified by: 27 February 2015
- Programme Circulation: 13 March 2015
- Presentations / papers submitted: 8 May 2015
- Conference: 9-10 June 2015

CONFERENCE AND EVENTS DEPARTMENT

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