CALL FOR PAPERS

ROYAL AERONAUTICAL SOCIETY
2016 • CELEBRATING 150 YEARS

Flight Simulation Group Conference

BENCHMARKING FOR IMPROVING FLIGHT SIMULATION

LONDON / 13-14 JUNE 2017

In order to establish the true fidelity of flight simulators, to standardise their characteristics, and to improve their performance, it is essential to perform proper benchmarking. By objectively comparing simulator characteristics, it is possible to assess their real contribution to their intended goal, whether it be training, engineering, or basic research.

This conference will ask the question "How can we truly benchmark a simulator, given its intended role?" What is the true norm to which we must measure the device, whether it be the actual aircraft or a simulator standard? Which parameters do we measure? And how do we continue to improve the standards themselves?

Subjects to be covered include:

- What objective metrics do we use to validate simulators, and how valid are these metrics themselves?

- Can simulation further reduce aeroplane flight testing?

- How do we correlate simulator performance to training benefit?

- How do we accurately perform identical experiments in different simulators?

- How do we continue to improve regulatory standards based on objective data?

- How do we implement training based on measured safety-driven evidence?

The conference will include a session of invited papers, a workshop with break-out groups, presentations by industry/academic participants, and a summary session with "the way forward". It promises to be an interactive and engaging event.

INSTRUCTIONS TO AUTHORS

The International 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 or typed double spaced on A4 or 8x12 inch paper. Authors should submit their abstracts in electronic format only by **Monday 16 January**. Selection will be made on the abstract content and applicability to the final published programme requirements.

Accepted scripts and presentations, fully cleared for publication and presentation should be submitted by **Monday 8 May 2017**.

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

It is important to note that all presentations and 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 anika.ved@aerosociety.com using reference #844

Technical enquiries should be sent to the Chairman of the Organising Committee via the RAeS Conference & Events Department. Email: anika.ved@aerosociety.com

KEY DATES AND DEADLINES
- Abstracts submitted by: 16 January 2017
- Authors notified by: 13 February 2017
- Programme Circulation: March 2017
- Presentations / papers submitted: 8 May 2017
- Conference: 13-14 June 2017

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