CALL FOR PAPERS

Flight Simulation Conference

THE PAST, PRESENT & FUTURE OF FLIGHT SIMULATION
TECHNOLOGY, TRAINING, AND REGULATORY CHALLENGES

LONDON / 9 - 10 JUNE 2020

The 2020 annual Royal Aeronautical Society Flight Simulation Group spring conference will mark
the 50th anniversary of the very first Flight Simulation Conference by reviewing today’s challenges
in technology, training and regulation as well as reminding ourselves of past challenges and how they
were overcome. Building on the popular format of the previous years, we will open the conference
with a half - day of briefings and workshops designed to expand your understanding and awareness
of regulatory changes, the latest training practices and state of the art technologies, presented by
recognised simulation and training experts. This will be a great opportunity to look to the future of
flight simulation.

We are planning the below conference themes; however, if there is something you would like to
present on, and in particular if you have a related presentation to offer, we would welcome and
encourage the suggestion of additional topics.

- Traditional flight simulation technologies; what improvements are needed?
- Expanding the Simulation envelope, including UPRT implementation and best practice.
- Emerging technologies – what are they and how can they be used?
- Advancing the art and science of modelling and simulation; learning lessons and taking inspiration
  from successes in research and development across all sectors, and positioning to harness
  emerging technologies.
- Simulation and safety; exploring ways in which simulation has made aviation safer and more
  efficient, and the promise for future gains; both through continued development, and by leveraging
  wider initiatives such as Safety Management Systems, Advanced Qualification Programmes, Evidence
  Based Training, digital twins etc.
- Simulation and aviation security; exploring security benefits that could be unlocked by applying
  simulation solutions to aviation security scenarios.
- Human factors considerations for new technologies: Physiological monitoring of trainee
  performance.
- Virtual, Augmented and Blended Reality; Challenges for simulator Instructors and Examiners
- Enhanced communications environment simulation, Datalinks, FANS, EFB, SATCE, etc.
- Training for Competency – how objective are assessments?
- Pilot Competencies: Performance data and privacy in a safety-critical profession.
- How are the regulators addressing changes in training and examining regimes.
- Hurdles to the future - what challenges need to be overcome?

We would be particularly interested to receive papers based on live case studies and experience,
ongoing research, and proposed projects in line with the conference aims.

INSTRUCTIONS TO AUTHORS

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

Abstracts should be written in English
and contain between 100 - 150 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
Friday 31 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 Friday 13 March.

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. 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
conferences@aerosociety.com using
reference #1023

Technical enquiries should be sent to the
Chairman of the Organising Committee
via the RAeS Conference & Events
Department.

KEY DATES AND DEADLINES

- Abstracts submitted by: Friday 31 January 2020
- Authors notified by: Late February 2020
- Programme Circulation: Late March 2020
- Presentations / papers submitted: Friday 24 April 2020
- Conference: 9 - 10 June 2020

CONFERENCE AND EVENTS DEPARTMENT
Royal Aeronautical Society
No. 4 Hamilton Place
London W1J 7BQ, UK
T: +44 (0)20 7670 4345
E: conferences@aerosociety.com

www.aerosociety.com/FSGJun20