CALL FOR PAPERS

Autumn 2019 Flight Simulation Conference

ROTORCRAFT SIMULATION - TRENDS AND FUTURE APPLICATIONS

LONDON / 12 - 13 NOVEMBER 2019

The Annual Royal Aeronautical Society Flight Simulation Group Autumn Conference will focus on the theme of rotorcraft simulation. From traditional, single main rotor helicopters to small, multirotor drones, rotorcraft provide a number of unique challenges regarding simulation – whether the focus of simulation is to support training, research, engineering, or something else.

Helicopter operations, whether civilian or military, are diverse and for many operators no two flights are the same. Often the aircraft’s rear crew play a direct role in the flying tasks. Much of the time is spent in airspace where external forces and actors are more likely to influence your flying, and in the near future airspace for autonomous vehicles will be in close proximity.

Many of the challenges in rotorcraft simulation are technical, others are operational, and some commercial. Some of the questions this conference will ask include:

- How can current and emerging simulation approaches and technologies best address all phases of flight?
- Traditional flight training devices address a crucial yet limited subset of the activities performed by rotorcraft and their crews, how is the broader scope of operational skills supported by simulation?
- How will simulation support the development of AI and autonomous vehicles and enable us to operate alongside them? Moreover, how might the investment in these areas be exploited by piloted rotorcraft?
- Flight simulation has had a marked influence on aviation safety for the fixed wing community, is it serving rotary wing operators as well?
- What role will simulation play in future live platform and infrastructure integration and qualification?

INSTRUCTIONS TO AUTHORS

The International 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 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 Friday 26 April.

Selection will be made on the abstract content and applicability to the final published programme requirements.

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 #973

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

Email: conferences@aerosociety.com

KEY DATES AND DEADLINES

- Abstracts submitted by: 26 April 2019
- Programme Circulation: June 2019
- Conference: 12 - 13 November 2019

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/FSGJun19
CALL FOR PAPERS

Autumn 2019 Flight Simulation Conference

ROTORCRAFT SIMULATION - TRENDS AND FUTURE APPLICATIONS

LONDON / 12 - 13 NOVEMBER 2019

We are keen to invite presentations and papers from professionals who use simulators or those who develop them. The topics listed below are of particular interest but if there is another area you wish to propose we will be pleased to receive your abstract.

- Rotary wing mission simulation, military or civilian, whether crewed or not.
- The use of human performance monitoring in aircraft and simulators.
- Rotorcraft modelling and simulation fidelity.
- The importance of motion and other non-visual cues for human-in-the-loop simulation.
- The use of simulation to support aircraft engineering, flight test, or AI development & testing.
- Simulation of unmanned or optionally-manned rotorcraft, and human-machine teaming.
- Simulation for concept development, acquisition support, operational analysis, tactics & procedures development, or other non-training applications.

INSTRUCTIONS TO AUTHORS

The International 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 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 Friday 26 April. Selection will be made on the abstract content and applicability to the final published programme requirements.

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 #973.

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

KEY DATES AND DEADLINES

- Abstracts submitted by: 26 April 2019
- Programme Circulation: June 2019
- Conference: 12 - 13 November 2019

www.aerosociety.com/FSGNov19