



AERO 19

64th Aeronautics Conference
64^e conférence en aéronautique

Hôtel Sheraton Laval Hotel

Canada's leading
aeronautics conference

La principale conférence
en aéronautique au Canada

May 14-16 mai 2019

Call for Abstracts

5th CASI Human Factors and Training Symposium

The **CASI AERO 2019 conference** will feature about 200 technical presentations in seven streams, together with top-flight panels and keynote speakers. AERO'19 offers unparalleled opportunities for networking, collaboration and professional development to delegates from Canada and around the world.

Topics

Our understanding of interactions among humans and technical elements of aviation systems has progressed considerably in recent years, especially in the areas of theories, data acquisition, and methodologies to decrease both manifest and latent human errors and to enhance overall aviation system performance.

Papers are sought on human factors issues such as:

- Human factors in advanced flight deck design:
 - design process, user-centered design and usability
 - role of human factors in agile/lean design process
 - function allocation, complexity management
 - automation management, feedback and roles
 - new technologies: RNAV, VNAV, GLS, EFB, enhanced vision, head-up displays, tactile interaction
 - aircraft certification, new regulation 25.1302
- Human factors in operational capabilities: human performance, error, fatigue, situation awareness, workload, crew resource management
- Flight operations, procedures, training and airmanship
- New simulation environment: virtual reality, augmented reality, eye tracking, immersion
- Maintenance and crew error reduction
- Human factors perspectives in:
 - air traffic control operations
 - unmanned aerial vehicle operations
- Human factors methods and competencies
- Role of human factors in aviation accident investigation

Abstract Submission

Submit your abstract (approximately 300 words) to:
<https://www.openconf.org/aero2019/openconf.php>.

Submissions must identify all authors/organizations and include phone/e-mail contacts for the lead author.

Deadlines

Initial abstracts: February 1, 2019

Notification of abstract acceptance: February 15

Abstracts (1000 words) for student Awards: April 3

Notification of student Awards Finalists: May 2

Full papers / extended abstracts: June 2, 2019

Language of the conference

The language of the conference is English.

Workshops

Proposals are invited for workshops on specific topics that lend themselves to this approach. A 1000-word proposal including the subject area, contents and suggested speakers should be submitted by February 15, 2019, to Prof Éric Laurendeau, General Chair of AERO'19 at eric.laurendeau@polymtl.ca.

Student presentations

Student presentations in all Symposia may be eligible for the AERO'19 Best Student Presentation Award. Students who wish to be considered for this Award must submit an abstract of at least 1000 words including key results and supporting figures, and indicating student status and affiliation. Nominated finalists will give their presentations in a special Session during the Conference.

Proceedings

Proceedings will include full papers and extended abstracts. Authors who submit full papers or extended abstracts may have their submission considered for publication in the *Canadian Aeronautics and Space Journal*.

Program Committee

Philippe Doyon-Poulin, Bombardier Aerospace (Chair)

Address all enquiries to:

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