



# AERO 21

65<sup>th</sup> Aeronautics Conference  
65<sup>e</sup> conférence en aéronautique

A CASI *on-line* presentation  
Une présentation *en ligne* de l'IASC

Canada's leading  
aeronautics conference

La principale conférence  
en aéronautique au Canada

**June 14-18 juin 2021**

## Call for Abstracts

### 6<sup>th</sup> CASI Human Factors and Training Symposium

**CASI AERO 2021** offers unparalleled opportunities for networking, collaboration and professional development to delegates from Canada and around the world. AERO'21 will be presented on-line in seven Symposia, together with top-flight panels and keynote speakers. The conference can focus on such topics as autonomous air mobility and enabling technologies that may be of interest to multiple disciplines. Proposals for joint sessions involving two or more Symposia will be considered.

#### Suggested topics for this Symposium

Our understanding of interactions among humans and technical elements of aviation systems has progressed considerably in recent years, especially regarding theories, data acquisition, and methodologies to decrease manifest and latent human errors and to enhance overall aviation system performance. Particular areas of interest include, but are not limited to:

- 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
- Human factors methods and competencies
- Role of human factors in aviation accident investigation
- Human factors and training in the context of the COVID-19 and future pandemics
- VR, AR, and XR applications

#### Language of the conference

The language of the conference is English.

#### Abstract submission

Abstracts should be approximately 300 words, must identify all authors/organizations, and must include phone/e-mail contacts for the lead author. [Click here to submit your AERO 2021 abstract.](#)

#### Deadlines

**Initial abstracts: April 7**

**Notification of abstract acceptance: April 20**

**Abstracts (1000 words) for student awards: May 7**

**Notification of student award finalists: May 19**

**Full papers/extended abstracts: June 14**

#### Workshops

Proposals are invited for specific topics that lend themselves to this treatment. A 500-word proposal including the subject area, contents and suggested speakers should be submitted by April 7 to: General Chair, AERO'21 at [aero@casi.ca](mailto:aero@casi.ca).

#### Student presentations

Student presentations in all Symposia may be eligible for the AERO'21 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 indicate 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

Joon Chung, Ryerson University (Chair)

#### Address all enquiries to:

Joon Chung, Ryerson University

[j3chung@ryerson.ca](mailto:j3chung@ryerson.ca)