



AERO 21

65th Aeronautics Conference
65^e 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

66th CASI Aircraft Design and Development 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

Abstracts are sought from Canada and abroad covering all aspects of aircraft design, development and certification. Topics of interest include:

- **Integrated product development:** new aircraft projects, development processes involving risk sharing partners, multiple corporations and countries
- **Innovative and unconventional aircraft:** V/STOLs, SSTs, UAVs, electrical propulsion vehicles, morphing wings and aircraft, tilt rotors, airships and other configurations
- **Design automation and optimization:** the influence of MDO, CFD, FEM, ASE and CAD techniques
- **Aircraft systems and testing (non-propulsion):** environmental control, auto flight, avionics and flight deck, electrical, modern flight controls, fuel, hydraulics, landing gear, description of integrated systems test rigs
- **Design-to-cost and value engineering:** innovative practices that promote the enhancement of productivity and achieve significant program cost rationalization
- **Implementation of new technologies:** effective integration of emerging architectures and hardware
- **Aircraft design education:** university programs, new electronic media, novel education initiatives

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.

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*.

Address all enquiries to:

Ruxandra Botez
ruxandra.botez@etsmtl.ca