



AERO 23

Canada's leading
aeronautics conference
*La principale conférence
en aéronautique au Canada*

Nov. 14-16 nov. | Ottawa, ON

CALL FOR ABSTRACTS | 19th CASI Aerodynamics Symposium

CASI AERO 2023 offers unparalleled opportunities for networking, collaboration, and professional development to delegates from Canada and around the world. AERO'23 will be presented on-line in seven Symposia, together with top-flight panels and keynote speakers. The conference can focus on such topics as hybrid-electric propulsion including hydrogen as fuel or airship lifting gas autonomous air mobility and the 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 invited on topics in all areas of aerodynamics of fixed wing and rotary wing aircraft. Topics of interest include but are not limited to:

- Aerodynamics of aircraft and aircraft components including high-speed and high-lift configurations
- Aerodynamic/structural dynamic interactions
- Design methodologies, optimization techniques, MDO
- Engine intake and exhaust aerodynamics including aerodynamics of integrated aero-propulsive concepts
- Environmental and inclement weather effects (wind, turbulence, icing)
- Testing (wind-tunnel tests, ground tests, flight tests)
- Aeroacoustics
- Drag reduction including laminar flow design
- Passive and active flow control techniques
- Unsteady aerodynamics
- Aerodynamic predictive methods including flight dynamics, flight controls, control laws
- CFD and computational methods as applied to any of the above, including unsteady aerodynamics, higher-order methods and meshing techniques
- Any of the above applied on fixed/rotary wing aircraft, propellers, unmanned aerial vehicles (UAVs) and novel aircraft configurations.

ABSTRACT SUBMISSION

Abstracts should be approximately 300 words, must identify all authors/organizations, and must include phone/e-mail contacts for the lead author. Visit casi.ca/aerosubmissions to submit your AERO 2023 abstract.

LANGUAGE OF THE CONFERENCE

The language of the conference is English.

DEADLINES

Please consult casi.ca/aero2023 for important dates.

G.N. PATTERSON AWARD

This Award recognizes the best Aerodynamics Symposium presentation with an undergraduate or graduate student as lead author. Students must indicate their status and affiliation. Co-authors must indicate their level of contribution and that of the student lead author.

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 September 1 to Att: General Chair, AERO'23 at aero@casi.ca.

PROCEEDINGS

A Special Issue of the *Canadian Aeronautics and Space Journal* may be published to include selected papers that expand upon the presentations given during AERO 2023. More information will be available as the Conference approaches.

PROGRAM COMMITTEE

François Bisson, Airbus Canada (Chair)

ADDRESS ALL ENQUIRIES TO:

Francois.Bisson@airbus.com