



# AERO 19

64<sup>th</sup> Aeronautics Conference  
64<sup>e</sup> 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

### 17<sup>th</sup> CASI Aerodynamics Symposium

The **CASI AERO 2019 conference** will feature close to 200 technical presentations in eight 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

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:

- Modelling and Simulation (high speed, high lift, high angle of attack, steady/unsteady aerodynamics)
- Aerodynamics of airfoils, wings, wing/fuselage interactions, nacelles
- Rotary wing aircraft aerodynamics
- Testing (wind-tunnel tests, ground tests, flight tests)
- Flight Dynamics, Flight Controls, Control Laws
- Aerodynamic/Structural dynamic interactions
- Unsteady aerodynamics, vortical flows, aircraft wake-vortex dynamics including numerical simulations (DES, LES and DNS)
- Passive and active flow control techniques
- Aerodynamic predictive methods
- Aerodynamic design: methodologies, and optimization techniques, MDO
- Aeroacoustics
- Environmental effects (wind, turbulence, icing)
- Computational Fluid Dynamics as applied to any of the above, including surface modeling and grid generation
- Any of the above applied on fixed/rotary wing aircraft, propellers, unmanned aerial vehicles (UAVs) and novel aircraft configurations.

#### 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.

#### Language of the conference

The language of the conference is English.

#### Deadlines

**Initial abstracts: February 1, 2019**

**Notification of abstract acceptance: February 15**

**Abstracts (1000 words) for student awards: April 12**

**Notification of student award Finalists: May 3**

**Full papers/extended abstracts due: June 14, 2019**

#### G.N. Patterson Award

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

#### Student presentations

In addition to the G.N. Patterson Award, student presentations in all Symposia may be eligible for the AERO'19 Best Student Presentation Award. Students who wish to be considered for either 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.

#### 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](mailto:eric.laurendeau@polymtl.ca).

#### 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

Charles Armand Tatossian, Bombardier Aerospace (Chair)  
Catherine Mavriplis, University of Ottawa (co-Chair)

#### Address all enquiries to:

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