



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

25th CASI Aerospace Structures & Materials 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

The success of the Canadian aerospace industry has been based on imaginative application of existing and emerging technologies, international collaboration and innovative management of design, manufacture, and life cycle support. Sustainability has become a key driver in the development of aerospace structures and materials.

Abstracts are sought from Canada and abroad on all aspects of the structures and materials of aircraft, UAVs and space systems, including relevant aspects of landing gear and propulsion systems. Topics of interest include:

- Developments in light alloys, superalloys, coatings, and composite materials
- Materials design and manufacturing concepts
- Structural design and integrity concepts, health monitoring, life cycle management
- Assessment of loads, static strength, fatigue life, damage tolerance, WFD
- Assessment of the effects of corrosion, environment, fretting, impact damage; NDT and MR&O
- Aeroacoustics and structural dynamics
- Modelling, simulation, probabilistic methods
- Experimental methods and test facilities
- Component life enhancement technologies
- Reduction of environmental risk and cost
- Fleet life extension and life estimation technologies
- Regulatory requirements, certification programs

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

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.

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

Sylvain Turenne (Chair)

Address all enquiries to:

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