



ASTRO 18

18th Astronautics Conference
18^e conférence en astronautique

Canada's Leading
Space Conference

La principale conférence
spatiale au Canada

Hôtel Delta
Québec Hotel

May 15-17 mai
2018

Call for Abstracts

ASTRO 2018 is the 18th astronautics conference of the Canadian Aeronautics and Space Institute. CASI ASTRO conferences are renowned for offering unparalleled opportunities to delegates from industry, academia, defence and security, and government to meet and network with colleagues from Canada and around the world.

The conference will focus on Canadian capabilities, current activities, and prospects for growth domestically and in the international space arena.

ASTRO'18 is being held at the Delta Québec Hotel from Tuesday 15 May through Thursday 17 May in beautiful and historic Québec City, Canada.

Co-Chairs of the **ASTRO'18** Technical Committee are Dr. Christian Lange, Canadian Space Agency and Dr. Michele Faragalli, Mission Control Space Services Inc.

Conference Highlights

Plenary Sessions An exciting program of invited Canadian and international speakers is planned. Attendees will hear presentations from leading academic and industry organizations, global space sector representatives and senior Canadian government officials. Speakers will explore ways that Canadian organizations can achieve their goals and participate more fully in the international space marketplace, detailing specific opportunities open to Canadian enterprises.

Technical Sessions Five parallel tracks will be offered, as well as a robust Interactive (Poster) session.

Language of the Conference The language of ASTRO'18 is English. Please note that no translation services will be provided.



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Presentation Topics

Papers are invited on a wide range of topics, including but not limited to:

- Advances in space technologies and platform technologies
- Assembly, integration and testing
- Astrobiology, space science, planetary science and exploration
- Capability demonstration
- Commercial/entrepreneurial space/business models
- Defence-based space systems, applications and operations
- Earth observation and remote sensing
- Human spaceflight and space health, ISS utilisation
- Micro- and nanosatellites, constellations
- Missions under development or proposed
- Public engagement and outreach
- Resiliency in space/space situational awareness
- Satellite communications/GPS/GNSS/ADS-B
- Software tools, artificial intelligence
- Space art and culture
- Space-based mining, ISRU
- Space law, policy, history
- Space optics, sensors and instrumentation
- Space robotics and rover systems
- Space-based astronomy
- Space-based services & traffic management
- Strategies and roadmaps
- Sub-orbital platforms

Interactive Session and Exhibition A stand-alone Interactive (Poster) session will be held during which delegates will have the opportunity for one-on-one discussions with the authors of the presentations. The Interactive session will take place in the same area as the Exhibition. Interactive presentations will be an important feature of ASTRO'18 and will be given special attention.

Art and Culture ASTRO'18 will feature a variety of space-inspired cultural activities.

Awards The J. Saber Award will be presented for the best oral or interactive presentation by any author, and the Best Student Paper Award will recognize the best oral or interactive presentation by a student.



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Important Dates

Abstract submission deadline	<u>2017</u> 13 December
Authors notified	<u>2018</u> 19 January
Early Bird registration deadline	1 April
Hotel \$179 rate deadline (limited number of rooms at this price)	22 April
Proceedings submission deadline (full papers/extended abstracts)	22 April
ASTRO'18 conference	15-17 May
Manuscript submission deadline for Special Issue of CASJ	31 August

Abstract Submission Guidelines

All participants are required to submit an abstract.

The abstract **MUST**:

- be a maximum of 300 words long
- indicate a preference for an oral or an Interactive presentation, and also whether an Interactive presentation will be acceptable
- include a header with the following data:
 - Title of the abstract
 - Name(s) of author(s) and their affiliation(s)#
 - Corresponding author coordinates (name indicated with an asterisk)
- be submitted by means of the abstract submission tool on the ASTRO'18 web site. No other method of submission will be accepted.

Proceedings

Authors will be invited to have their presentations included in the proceedings of ASTRO'18, and also to submit extended abstracts or full papers on their topics. Details will be provided to authors together with confirmation of acceptance of abstracts.



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Presentations

Oral Authors will have 15 minutes for the presentation followed by 5 minutes for questions and answers.

Interactive The Interactive session is based on the familiar 'poster session' concept. ASTRO'18 will significantly improve on the visibility, impact and value of this session. It will be located in a high-traffic area of the conference venue together with the networking break refreshments. It will be given its own place in the conference program with no other activities scheduled at the same time. The Interactive session will be promoted from the podium during the morning Plenary panels, and all the Interactive presentations will be included in the conference Proceedings. The ASTRO'18 Interactive session will reinvent the outmoded 'poster' concept, offering these presentations a uniquely high-profile role in the program.

Presentations will be installed prior to the start of ASTRO'18 and should be left on display until the closing Turnbull luncheon on Thursday 17 May.

Authors will be required to attend their presentations during the time exclusively set aside for the Interactive session.

Registration

Registration is available on-line on the CASI web site. **All participants** are required to register for ASTRO'18 and are responsible for their expenses related to participation in the conference, including the cost of registration. A Letter of Invitation will be provided upon request.

Hotel reservations

A limited number of rooms has been set aside at the Hôtel Delta Québec at the special conference rate of CAN \$179 per night. This rate is **offered until 22 April, 2018** and is subject to the availability of rooms set aside for ASTRO'18 delegates. Participants are **strongly encouraged** to reserve as soon as possible. Reservations may be made via the link on the CASI web site or by calling the Hotel and mentioning CASI ASTRO 2018.