

EVENT TIMETABLE

7 December 2018	Deadline for abstracts
25 January 2019	Notification to authors
15 February 2019	Final program
19 April 2019	Deadline for paper submission
15-17 May 2019	Conference
August 2019	Publication of Proceedings

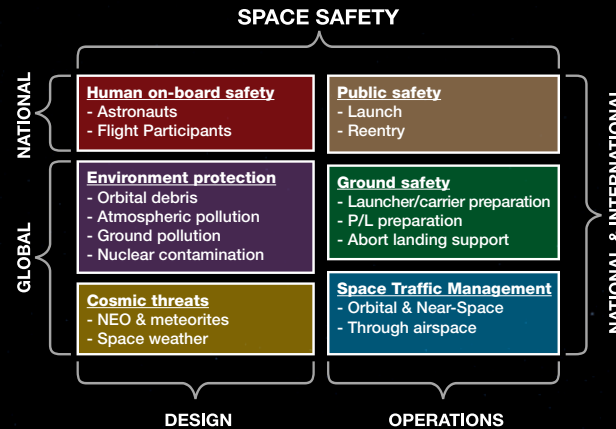
LOCATION

The Aerospace Corporation,
El Segundo - Los Angeles, California (USA)

REGISTRATION

The registration fee of USD 850 covers the conference proceedings, the first day luncheon, and the gala dinner. Additional information on registration fees for IAASS members, presenting authors, programme committee members and sessions chairpersons are available on the conference website.

CONFERENCE TOPICS OVERVIEW



CONTACTS

Organiser

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Conference website:

<http://iaassconference2019.space-safety.org/>



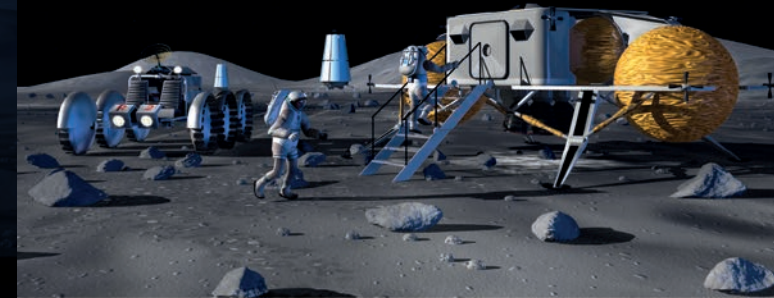
10th IAASS Conference

International Association for the Advancement of Space Safety

MAKING SAFETY HAPPEN

THE AEROSPACE CORPORATION,
 EL SEGUNDO - LOS ANGELES, CALIFORNIA (USA)

15-17 MAY 2019



FIRST ANNOUNCEMENT AND CALL FOR PAPERS

Invited Sponsors



INTRODUCTION

The International Association for the Advancement of Space Safety (<http://iaass.space-safety.org>) is a non-profit organization dedicated to furthering international cooperation and scientific advancement in the fields of space systems safety and sustainability. IAASS is a member of the International Astronautical Federation (IAF), Permanent Observer at the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS), and member of the Space Learning Group of ICAO (International Civil Aviation Organization). The association exists to help shape and advance an international culture of space safety (technical, organizational and socio-political) to make space missions, vehicles, stations, extra-terrestrial habitats, equipment and payload safer for the general public, ground personnel, crews and flight participants. The association also pursues the safeguarding of the planetary, on-orbit, atmospheric, and ground environment during space missions.

The tenth IAASS Conference “*Making Safety Happen*” is an invitation to reflect and exchange information on a number of topics in space safety and sustainability of national and international interest. The conference is also a forum to promote mutual understanding, trust, and the widest possible international cooperation in such matters. The once exclusive “club” of nations with autonomous space access capabilities is becoming crowded with fresh, and ambitious new entrants. New commercial spaceports and near-spaceports are in operations and others are being built.

In the manned spaceflight arena, a commercial market is now a reality with government use of commercial services for cargo and crew transportation to orbit, and with plans for mixed government and commercial operations on Moon missions. Besides the national ambitions in space, the international cooperation both civil and commercial is also gaining momentum, in particular during emergencies.

Space bound systems and aviation traffic are sharing more and more a crowded airspace, while aviation is increasingly relying on space-based safety-critical services. New systems are populating the near-space region (18-160 km) thus requiring the definition of an “ad-hoc” legal regime for such intermediate region. Air launches are a new important segment of the launch business that require the establishment of ICAO regulations.

Finally, most nations own nowadays space assets of various kind and purpose, which are under the constant threat of collision with other spacecraft and with the ever increasing number of space debris. Awareness is increasing internationally (as solemnly declared since decades in space treaties) that space is a mankind asset and that we all have the duty of caring for it. Without proactive and courageous international initiatives to establish an international regulatory framework for space traffic management we risk to negate access and use of space to future generations.

The 10th IAASS Conference will in addition to normal sessions dedicate a set of panel sessions to four topics which need to get better attention in space programs: *International Space Traffic Management*, *Space Debris Reentry Risk for Aviation*, *Safety Standards for Commercial Human Spaceflight*, and *International Cooperation for Emergencies on the Moon*.

CONFERENCE MAIN TOPICS

- Designing safety into space vehicles
- Safety on long duration manned missions
- Safety of extravehicular and extrahabitat activities
- Launch safety
- Space debris remediation
- Re-entry safety
- Human spaceflight payloads safety
- Nuclear safety for space systems
- Human factors and performance for safety
- Safety critical software design and IVV
- Safety risk management
- Probabilistic risk assessment
- Organizational culture and safety
- Regulations and standards for safety
- Space-based safety critical systems
- SSA & Space traffic control
- Operations safety
- Space materials safety
- Commercial human spaceflight safety
- Lessons learned
- Safety Management System
- Space Weather Hazard
- Launch and Near-Space and in-Orbit Collision Risk
- NEO (Near Earth Object) Hazard

PROGRAMME COMMITTEE

A Programme Committee composed by leading experts in space safety and related fields from world's major aerospace industries, space agencies, government organizations, academy and institutes are responsible for organizing the event and selecting the papers to be presented. The names of the Programme Committee members are published on the conference website.

ABSTRACT SUBMISSION

Contributed papers are welcome. Papers will be selected based on submitted abstracts. The abstract (approximately 500 words) should clearly outline the paper's major elements of interest and its originality. Papers will be selected based on:

- Relevance to the scope of the Conference
- Quality of the content
- Originality of the content

The Authors will be notified of the selection outcome by 25 January 2019.

**All abstracts should be submitted by
7 December 2018**

Authors are invited to submit an abstract on-line at:
<http://iaassconference2019.space-safety.org/>

The language of the Conference is English.

TRAINING COURSES

Several unique training courses will be offered in the week and days preceding the conference. Related fees will be announced on the conference website.