



8th IAASS Conference

International Association for the Advancement of Space Safety

SAFETY FIRST SAFETY FOR ALL

FLORIDA INSTITUTE OF TECHNOLOGY
MELBOURNE - FLORIDA (USA) - 18-20 MAY 2016

EVENT TIMETABLE

11 December 2015	Deadline for abstracts & notice of intent to exhibit
29 January 2016	Notification to authors
15 February 2016	Final program
22 April 2016	Deadline for paper submission
18-20 May 2016	Conference
August 2016	Publication of Proceedings

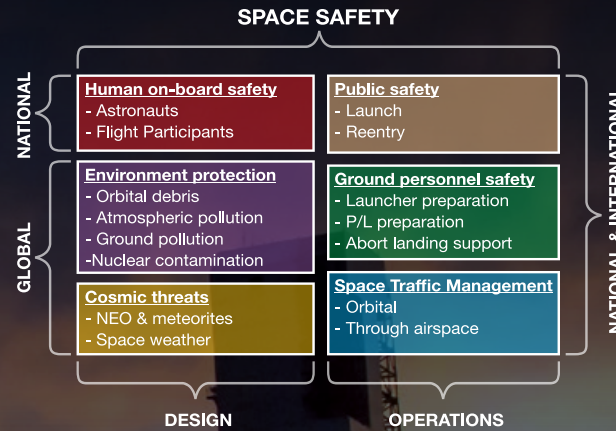
LOCATION

Florida Institute of Technology
Melbourne - Florida (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



CO-ORGANIZERS



CONTACTS

Organiser

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Conference website:

<http://iaassconference2016.space-safety.org/>

FIRST ANNOUNCEMENT AND CALL FOR PAPERS

INTRODUCTION

The International Association for the Advancement of Space Safety (<http://iaass.space-safety.org>) is a non-profit organisation 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), and Permanent Observer at the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS). The association exists to help shape and advance an international culture of space safety (technical, organisational and socio-political) which could contribute 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 on-orbit, atmospheric, and ground environment during space systems and associated ground infrastructure operations.

The eighth IAASS Conference “*Safety First, Safety for All*” 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 are starting operations and others are being built.

In the manned spaceflight arena a commercial market is becoming reality with government use of commercial services for cargo and crew transportation to orbit, and the addition of a commercial habitable volume to the international space station. Besides the national ambitions in space, the international cooperation both civil and commercial is also gaining momentum.

Space bound systems and aviation traffic will share more and more a crowded airspace, while aviation will increasingly rely on space-based safety-critical services. Air launches may become an important segment of the launch business and could drive the establishment of ad-hoc regulations. Finally, most nations own nowadays space assets, mainly satellites of various kinds 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 8th 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: *Space Debris Reentry Safety*, *Space Traffic Management*, *Safety Standards for Commercial Human Spaceflight*, and *Human Performance and Safety on Long Duration Missions*.

CONFERENCE MAIN TOPICS

- Designing safety into space vehicles
- Safety on long duration manned missions
- Safety of extravehicular 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
- Organisational 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 In-Orbit Collision Risk
- NEO (Near Earth Orbit) 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 organisations, academy and institutes are responsible for organising 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 29 January 2016.

All abstracts should be submitted by 11 December 2015

Authors are invited to submit an abstract on-line at:
<http://iaassconference2016.space-safety.org/>

The language of the Conference is English.

TRAINING COURSES AND EXHIBITIONS

Several unique training courses will be offered in the week preceding the conference. Also exhibitions opportunities for companies products and services are available during the conference. Related fees will be announced on the conference website.