



**International
Academy of
Astronautics**



International Academy of Astronautics

***IAA Space Debris Committee
Part 2***

Milano, September 13rd, 2024



International Academy of Astronautics

- Cristian Bank (5mins)
 - EUMETSAT is looking at options to actively remove Metop satellites from their orbit, but this is at a very preliminary state.
 - Also a rendez-vous / close fly-by at one of our METEOSAT satellites is currently under study.
 - Finally we look at our compliance with the ESA proposed Zero Debris Charter in the context of the EPS-Sterna Constellation
- Jason Forshaw (10mins)
 - Taking stock of COSMIC and IRUS missions
- Andrew Monham (5 mins)
 - CGMS Task Group on Space Environment Sustainability
- Darren McKnight (10mins)
 - one-pager (double-sided) for the Special Session on Debris Remediation to be held on Tuesday
 - Conjunction of the Fortnight (double-sided) - offer to send out
 - “ORBITs Act “status
- Camilla Colombo
 - Cospar
 - Eucass
 - Themis
- Florent Lacomba (10mins)
 - Update of the FSOA Technical regulation



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Past Events

The Second International Orbital Debris Conference (IOC II)



- **NASA organized/hosted IOC II near Houston, Texas on 4-7 December 2023**
 - Held to promote orbital debris research activities in the United States, foster collaborations with the international community, and address the orbital debris problem for long-term sustainability of near-Earth space activities
 - Attracted about 250 participants from 14 countries, including representatives from ASI, CNES, DLR, ESA, ISRO, JAXA, KARI, UKSA, and NZ Space Agency
 - A total of 124 papers covering orbital debris measurements, modeling, hypervelocity impact protection, reentry, conjunction assessments, space situational awareness, mitigation, remediation, space traffic coordination, and policy were presented
 - Approximately half of the papers were contributions from international subject matter experts (governments, industry, and academia)





**INTERNATIONAL ASSOCIATION
FOR THE ADVANCEMENT OF
SPACE SAFETY**

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13th IAASS Conference

International Association for the Advancement of Space Safety

***BUILDING A SAFE, SECURE,
AND SUSTAINABLE SPACE***

8-10 OCTOBER 2024 - PRAGUE (CZECH REPUBLIC)

<https://iaassconference2024.org>





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Future Events

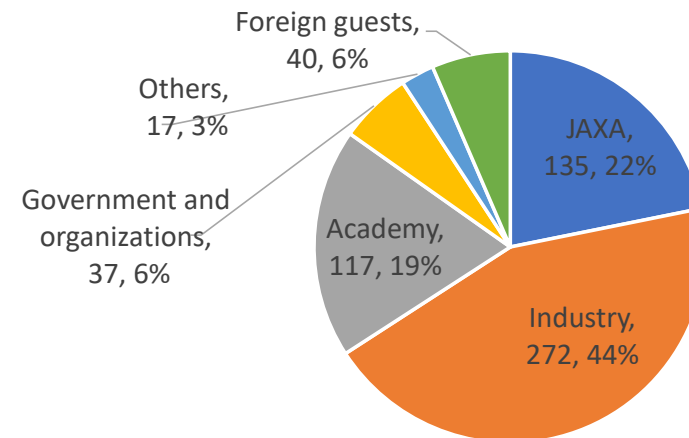
11th JAXA's Space Debris Workshop @ JAXA Chofu Aerospace Center (Tokyo, JAPAN) and Online



- October 28-30 2024, both onsite and online
- Registration is now open. Free of charge
 - https://www.kenkai.jaxa.jp/event/2024/debrisws2024_e.html
 - Program: https://www.kenkai.jaxa.jp/event/2024/debrisws2024_e_03.html
- Presentation files will be available at JAXA Web site
 - Proceedings of 10th WS : <https://jaxa.repo.nii.ac.jp/records/49191>
- Sessions: observation, SSA/STM, modelling, protection, mitigation, remediation, legal, etc.
- If you have questions or interests, please contact at kawamoto.satomi@jaxa.jp



10th Workshop @JAXA Chofu Aerospace Center (Tokyo, Japan)



600+ Participants of 10th Workshop

9th European Conference on Space Debris

1 – 4 April 2025

The European Conference on Space Debris is the largest dedicated gathering on the subject. Internationally renowned scientists, engineers, operators, industry experts, lawyers and policy makers meet here to discuss different aspects of space debris research, including measurement techniques, environment modelling theories, risk analysis techniques, protection designs, mitigation & remediation, as well linking with policy and regulation.

The 9th edition of this leading conference on space debris matters will provide a unique forum for information exchange, technical discussions and networking between space debris researchers, engineers & decision takers of industry, policy makers & space lawyers, insurance underwriters, space & ground system operators, institutional organizations (e.g. space agencies, EU, UN, IAA, COSPAR), academia, and the defense sector.

Papers will be selected on the basis of:

- interest in the subject by the target audience
- relevance to the conference topics
- originality of the ideas presented
- quality and clarity of the content

A "No Paper – No Podium & No Podium – No Paper" rule applies.

Proceedings from the previous conferences are available via <https://conference.sdo.esoc.esa.int/>



Important Dates (tentative)

1 Oct 2024	Abstract submission starts
1 Nov 2024	Registration opens
15 Nov 2024	Deadline for abstracts
15 Jan 2025	Notification of authors
1 Mar 2025	Final program
25 Mar 2025	Deadline for full papers
1 - 4 Apr 2025	9th European Conference on Space Debris
June 2025	Publication of proceedings

Conference Venue

World Conference Center Bonn, Germany.

Registration Fees

Registration fees: –800 EUR for full participants, –450 EUR for students

Exhibitor options available upon request

Point of Contact

Conference Website <https://space-debris-conference.sdo.esoc.esa.int/>

Programme committee

Andrew Ratcliffe (UKSA), Camilla Colombo (Politecnico di Milano), Carolin Früh (Purdue University), Christophe Bonnal (IAA), Laurent Francillout (CNES), Jer-Chyi Liou (NASA), Manuel Metz (DLR), Sabine Klinkner (University of Stuttgart), Satomi Kawamoto (JAXA), Stijn Lemmens (ESA)





20th Anniversary

eucass 2025

11th European Conference for AeroSpace Sciences

30 June - 4 July 2025 | Rome | Italy

eucass 2025 | 20th Anniversary | 11th European Conference for AeroSpace Sciences (EUCASS)

SUBMISSION NOW OPEN >> 

ABOUT THE **CONFERENCE**

<https://eucass2025.eu>





55 Avenue Louis Breguet 31400 Toulouse



10th Satellites End of Life and Sustainable Technologies Workshop

TOULOUSE

January 21st to 23th, 2025

