

### Program Committee

J. Bartholomäus (TU Berlin, Germany)  
E. Klioner (TU Berlin, Germany)  
S. Grau (EnduroSat, Germany)  
S. Speretta (TU Delft, The Netherlands)  
A. Preci (DLR, Germany)  
S. Roemer (OHB, Germany)  
T. Segert (BST, Germany)  
A. da Silva Curiel (SSTL, UK)

### Registration

To partially offset the cost of the Symposium, there will be a registration fee due upon registration. There will be a reduced registration fee for students and early bird options.

The fee will cover admission to the sessions, the symposium digest, the proceedings published after the symposium, the symposium reception, coffee breaks and lunch. A link for the online registration will be provided upon successful submission of the abstract and acceptance by the scientific program committee.

### Coordination

**Local Agency**  
Aniela Chevillotte  
SSEO15@dlr.de

**Exhibition**  
Marielies Becker (Berlin Partner)  
marielies.becker@berlin-partner.de

### Honorary Chair

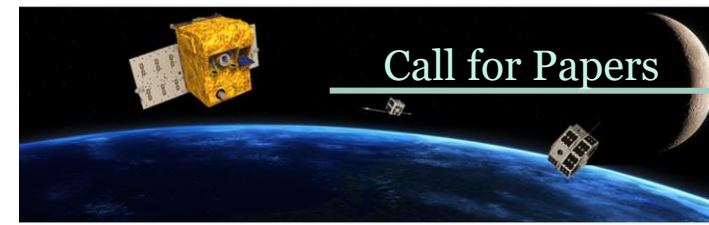
**Rainer Sandau**  
IAA Technical Director  
Satellites and Space Applications (France)

### Chairpersons

**Enrico Stoll**, Chairholder of Space Technology  
Technical University of Berlin (Germany)  
**Chantal Cappelletti**, Aerospace Engineering  
University of Nottingham (GB)  
**René Laufer**, Head of Space Systems  
Luleå University of Technology (Sweden)  
**Anke Pagels-Kerp**, Divisional Board Member for Space  
German Aerospace Agency, DLR

### Members

J.-N. Bricout (CNES, France)  
J.-M. Contant (IAA, France)  
L. Gratton (Provincia de Salta, Argentina)  
S. Hardhienata (LAPAN, Indonesia)  
W. Halle (DLR, Germany)  
P. Lier (CNES, France)  
Y.-A. Liou (CSRSR, Taiwan)  
L. Maresi (ESA/ESTEC)  
S. Mostert (SCSH, South Africa)  
S. Nakasuka (Univ. of Tokyo, Japan)  
R. Navalgund (ISRO, India)  
S. Neeck (NASA/HQ ret., USA)  
F. Ongaro (ESA/ESTEC)  
M. Ovchinnikov (KIAM, Russia)  
P. Patterson (USU/SDL, USA)  
L. Paxton (JHU/APL, USA)  
M. Saandar (MSPRS, Mongolia)  
Sir Martin Sweeting (SSTL, UK)  
Y. Zhu (CAST, Beijing, China)



## 15th IAA Symposium on Small Satellites for Earth System Observation



04. – 08. May 2025



Berlin, Germany



<https://iaa2025.welcome-manager.de/>

International Academy of Astronautics



Supported and hosted by



German  
Space Agency  
at DLR



Chair of Space  
Technology  
RFT

## Objectives

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The significance of small satellites for Earth observation is becoming increasingly evident as advancements in sensor technology and the efficiency of small launchers continue to unfold. These compact satellites offer a cost-effective means to gather high-resolution data for Earth observation, presenting a viable alternative to traditional large-scale satellite missions. Moreover, their streamlined design and quicker development timelines make them an attractive option for rapidly responding to emerging environmental concerns and scientific inquiries.

An essential aspect contributing to their success lies in the streamlined downstream services along the entire value chain, enabling seamless data transmission, processing, and analysis. This integrated approach facilitates the swift deployment and utilization of collected data, ultimately enhancing our understanding of Earth's dynamic systems and informing decision-making processes on a global scale.

The symposium offers a platform for scientists, engineers, and managers to exchange insights on both planned and ongoing programs and missions. It serves as a venue to introduce fresh perspectives, encompassing small satellite mission objectives, as well as technological and managerial considerations, particularly for dedicated satellites focused on Earth and Moon observation. Topics of interest span a wide spectrum, including but not limited to:

### Small Satellite Mission and Programs

- International and national programs
- Planned and on-going programs
- Integrated applications
- Results and lessons learned

### Objectives for Small Satellite Missions

- Scientific Earth and Moon observation missions
- Systems for disaster and climate monitoring
- Technology demonstration missions
- Commercial services and applications

### System Aspects

- Sensors and instrumentation
- Spacecraft concepts and sub-systems
- Software and IT safety
- Ground stations and communication
- Mission operation and facilities
- Space Situational Awareness

### Mission Architectures

- Distributed Space Systems
- Constellation and formation
- Rendezvous and docking
- Launch systems
- Downstream Services

### Student Prize Paper Competition\*)

- The symposium will consist of
- Presentations by invited speakers
  - Selected paper presentations
  - Poster sessions
  - Panel discussions

and will include a technical exhibition to showcase hardware and posters.

**The official language will be English.**

## Schedule

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15. November 2024	Abstract Submission open
<b>15. February 2025</b>	<b>Abstracts Due</b>
<b>15. February 2025</b>	<b>Student Abstracts Due</b>
28. February 2025	Notification to authors
~ March 2025	Final Announcement
06. April 2025	Conference Registration due
04. May 2025	Final paper due (max. 8 p.)
04 – 08. May 2025	15th Symposium
September 2025	Proceedings

## Call for Papers

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You are invited to contribute a paper for presentation at the symposium. A one-page, single-spaced abstract of no less than 300 and no more than 500 words must be received by

**15. February 2025.**

Abstracts should be in English and shall include the symposium topic addressed, the problem explored, the methodology used, results and conclusions so as to allow the Scientific Program Committee to make an informed decision regarding their suitability for inclusion into the symposium.

Notification of your paper's acceptance and author's instructions will be sent by March 2025.

The symposium digest comprising the extended abstracts (four pages) will be part of the registration package handed over when registering on-site.

Final papers for the symposium proceedings are limited to eight pages, including tables and illustrations. The symposium proceedings will provide the contributed papers and interactive poster session papers presented during the symposium. They will be available for the participants after the conference.

Outstanding presentations of papers and posters will be awarded.

More information on:

<https://iaa2025.welcome-manager.de/>

