

# CALL FOR PAPERS (SPECIAL SESSION)

## Artificial Intelligence -based Space and Ground Segments Design (AISGSD)

This session is organized on behalf of the University Center for Research in Space Technologies (CURTS) of Mohammed V University in Rabat (UM5), Morocco. The session aims to gather researchers and practitioners in order to share experiences and innovative ideas on the use of artificial intelligence (AI) and machine learning (ML) in the design of applications for Space and Ground Segments requiring low-latency predictions and/or data products to enable next-generation satellite mission concepts.

### Main topics of interest :

Topics of interest include, but are not limited to, the following AI-based applications for:

- Satellite communication subsystem.
- Satellite EPS subsystem.
- Satellite structure design.
- Satellite ADCS subsystem.
- Ground station planning.
- Ground station operation automation.
- Satellite payloads.
- Onboard data processing.

### Co-chairs

- ADDAIM ADNANE (CURTS, UM5)
- AMINA DAGHOURI (CURTS, UM5)
- OTHMANE NOUREDDINE (CURTS, UM5)

### Submission

Please submit your paper directly to: [adnane.addaim@emi.um5.ac.ma](mailto:adnane.addaim@emi.um5.ac.ma)

### Important dates

- Paper Submission Deadline: **January 31st, 2026**
- Notification of Acceptance: **February 28th, 2026**
- Final Camera-Ready Submission: **March 15th, 2026**
- Conference Dates: **April 22–24, 2026**