

# Space Embedded Systems Conferences



## Component

École Nationale  
Supérieure  
d'Électrotechnique  
d'Électronique  
d'Informatique  
d'Hydraulique  
et des  
Télécommunications

## In brief

- > **Ametys Code:** M34HOTV8
- > **Open to exchange students:** Yes

## Presentation

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### Objectives

Upon completion of this course, students will be able to:

Understand the challenges and constraints of spaceborne systems and electronic technologies used in the aerospace industry.

Understand the characteristics of antennas for SmallSats, their specific features, and future trends.

Explore the challenges of sustainable space, including debris management, regulation, and risk mitigation strategies in orbit.

Identify the effects of radiation on avionics and space equipment and understand strategies for protecting and ensuring the reliability of electronic systems.

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### Description

This course is taught by several external speakers on the topic of spaceborne systems. The topics are diverse and may include

- sustainable space
- antennas for smallsats

- satellite-borne microwave technologies
  - radiative effects on avionics equipment
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## Pre-requisites

None