



UNIVERSITÀ  
DI TRENTO

Dipartimento di  
Fisica



# PhD Program in Space Science and Technology - SST

## Electronics for space applications

Specific Seminar – Curriculum 5 and Curriculum 6

May 5, 2025, 3 p.m.

### Speaker:

David Gascon Fora – University of Barcelona

### Abstract:

This seminar provides an overview of electronic systems and components used in space missions. Students will learn how electronic systems are designed, tested, and implemented for various space applications, including satellites, spacecraft, and scientific instruments.

Emphasizing the unique challenges posed by the space environment, this course will cover the fundamentals of electronics, reliability engineering, radiation effects, and the development processes specific to space technologies. We will focus on design and qualification for radiation tolerance.

### Online attendance:

<https://infn-it.zoom.us/j/95757522507?pwd=9s4MsQr6XAkV2mCCagWHob9nmclJhG.1>

ID riunione: 957 5752 2507

Codice d'accesso: 522455

Dr. Fabio Gargano

National Institute for Nuclear Physics - Bari Division

Group II - Astroparticle physics

[fabio.gargano@ba.infn.it](mailto:fabio.gargano@ba.infn.it)

National PhD in Space Science and Technology - Secretariat

+39 0461 281504

+39 0461 283566

[dn\\_sst@unitn.it](mailto:dn_sst@unitn.it)