

Background

The University Space Center is the French leader in the development and operation of nanosatellites developed by students. It has acquired in-depth competences in the field of design, manufacturing, testing and operation of nanosatellites and their subsystems, as well as in the area of space project management and product assurance. The CSU has an 200 m² AIT cleanroom (Assembly Integration and Test), a CDF (Concurrent Design Facility) and both UHF and S-band Ground Stations. The CSU develops its own 1U and 3U CubeSat nanosatellite platforms with the support of the Van Allen Foundation and both the French and the European space agencies.

Job Objectives

The candidate will be responsible for the mechanical analysis, design, integration, assembly and test of CubeSat. She/He will be involved in R&D this include:

- CAD Modelling & FEM analysis
- Issuing manufacturing documentation
- Write and maintain the documentation (specification, manual, procedure)
- Perform satellite assembly, integration and test
- Participate to future mission definition
- Maintain technical and programmatic cooperation with CSU industrial and international partners
- Report internally and to ESA/CNES review teams
- Present results in international conferences and workshops
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Jobs Overview

- Located at the Montpellier University Space Center (FR)
- One year fixed-term contract, possibility to renew
- BSc or MSc with mechanical or material major
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Qualifications and Skills

- CAD modelling and FEM knowledge
- Material properties and behavior knowledge, including static, vibratory, shock and transient.
- “Hands on” approach and experience in mechanical workshop
- Good written and spoken English, French is not mandatory
- General enthusiast about new space, appreciate team work and like to transfer skills!

