

## Background

The CSU Montpellier current programs will require simultaneous operation of CubeSats from 2019 both in UHF and S Bands. Currently the UHF segment is functional and the S-Band Segment is under installation and will need to be functional for Q3 2019.

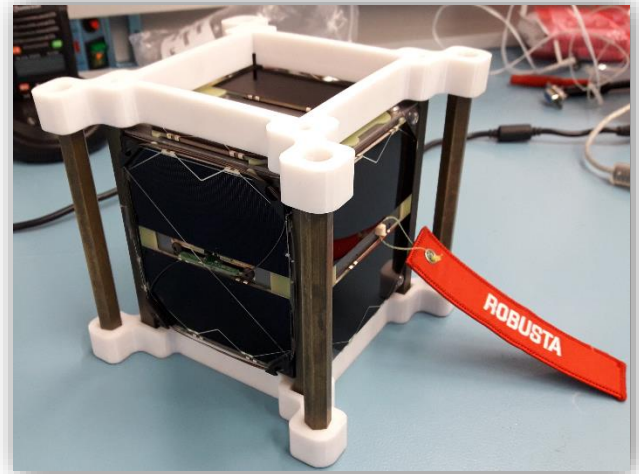
Furthermore, increasing nanosatellite complexity as well as usage of higher bandwidth (S and X Bands) is driving increased complexity for ground segments. Usage of SDR radios both on ground and in flight as well as new software capabilities are offering interesting research possibilities.

In order to insure current and future programs success, the CSU-Montpellier needs to recruit a ground system engineer.

## Job Objectives

The ground system engineer analyses the needs of the CSU-M, defines and implements the development of the CSU-M ground segment. He is also in charge of maintenance and daily operation of the satellite in orbit.

- Define and implement CSU need to a 5 years horizon
- Maintain the ground segment and operate the satellite
- Define, write and test software
- Write and maintain the documentation (specification, manual, procedure)
- Support satellite testing during AIT phases
- Participate to future mission operation definition
- Maintain technical and programmatic cooperation with CSU industrial partners
- Regulatory interfaces to relevant authorities



## Jobs Overview

- Located at the Montpellier University Space Center
- One year fixed-term contract, possibility to renew
- BSc of MSc with software or electronic major required

## Qualifications and Skills

- Programming languages: Python, C/C++ and HTML/JavaScript/Node.js
- RF and EMC: phase diagrams, Link budget, etc.
- IT System: LINUX, Database, communication protocols (I<sup>2</sup>C/SPI/CAN/...)
- Good written and spoken English, French is not mandatory
- General enthusiast about new space, appreciate team work and like to transfer skills!

