# INTERNSHIP OFFER

**Development of ROBUSTA 1U models**

## 1 UNIVERSITY SPACE CENTER OF MONTPELLIER

The University Space Center of Montpellier (CSUM) 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 in the framework of university space projects. The CSUM has an AIT (Assembly Integration and Test) Facility, a CDF (Concurrent Design Facility) and both UHF and S-band Ground Stations. The CSUM 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.

## 2 INTERNSHIP DESCRIPTION

Description of the tasks:

The aim of the internship is to develop and integrate ten ROBUSTA 1U platform models which shall be delivered to the CSUM's partners. These models shall be compliant with a specification list to be as close as possible of the flight models.

The intern will be in charge of the following tasks:

- Requirements definition/review.
- Definition of the schedule.
- 3D modelisation of the subsystems.
- Technical drawings preparation.
- Procurement of the elements.
- Assembly and integration in workshop.
- Log books and reports delivery.

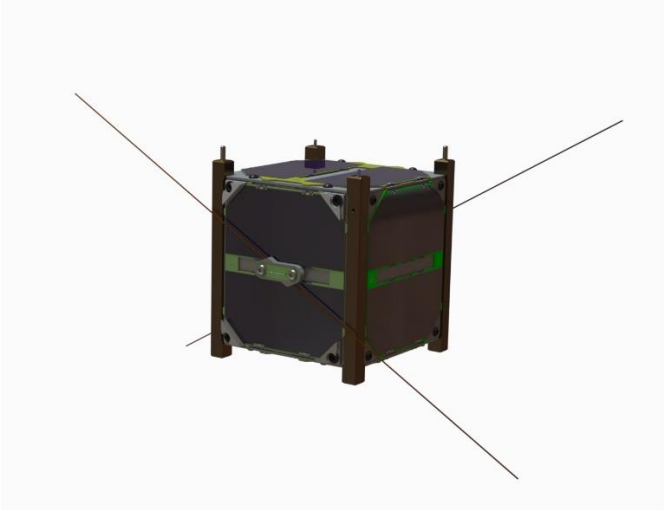

*Figure 1: ROBUSTA 1U platform.*

Skills/Languages: French and English - Being able to have technical discussion with experts and read/write technical documents.

Level: Bachelor in sciences/space engineering.

Location: Montpellier, France

Preferred starting date: March 2020

Duration: 4 months

Supervisor, Function at CSUM: Romain Briand – Mechanical Engineer

Stipend: 3.75 euros/worked hours for duration between 308 and 924 hours, 35 hours/week.

# 3 CONTACT

Please upload your application at: https://csu.edu.umontpellier.fr/en/job-offers-internship/