The UPC LRG offers internships to work in a space project in a highly motivated team with strong international connections.
The internship includes the payment of the enrolled ECTS credits but there is no funding for salary

Skills

Programming skills in one or several languages: Matlab, C, Python
Knowledge of microcontrollers such as Arduino
Basic electronic design.

How to apply

Send a short CV and a short motivation letter to:

montana@mit.edu

The deadline is the 8th of April, 2018.

The selection of the candidate will be made during April. Interviews might be required.

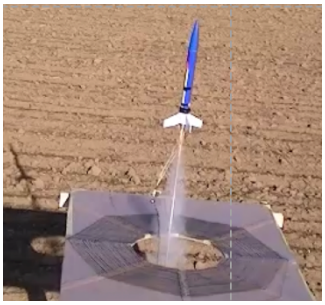
Work dedication

Orientative:
May: 10h/week
June: 20 h/week
July: 30 h/ week
September: 30 h/week (2 weeks)
Total: 300 h

Internship at the UPC Lightning Research Group

Position 3: Investigations with rockets and drone for atmospheric potential sounding and triggering lightning

The UPC LRG group has been working with kites, rockets and drones to investigate atmospheric electricity. Even in fair weather conditions ground-isolated objects in Earth's atmosphere can acquire significant electric potential levels. That is of relevance for wind turbines and aircraft.



Tasks

- **To finish our CNC automation system to wound our conductive tethers.**
- **To design and build payloads for detecting corona emissions onboard and at ground.**
- **To plan and conduct flights and experiments.**
- **To participate in research campaigns.**
- **To write reports.**
- **Keep our website updated.**