Project 18/34: Validation Campaign for a Novel Internet of Things (IoT) Satellite

Company: Lacuna Space Ltd

Supervisor: R Spurrett

Location: Harwell

Company Description: Lacuna Space is providing tracking of assets and connectivity for devices in remote locations of the world using Internet of Things protocols over satellites. We will be launching our first spacecraft later this year, and this is a chance to be directly involved in our first mission.

Project Description: By the second quarter of 2019, Lacuna will have several novel satellites in-orbit providing connectivity for Internet of Things devices. The project involves planning a strategy to validate the performance of the satellites, followed by optimising the user validation campaigns across the world. Lacuna Space is an innovative start-up based at Harwell so the candidate will get a broad range of experience of the early stage of development of a new company.

Applicant Specification: A student who has an ambition to work in the space sector, and the enthusiasm and tenacity required to thrive in a fast-moving start-up company. The applicant should have experience of hands-on electronics hardware and software projects, and must be able to document processes and findings in a clear and succinct manner.

Minimum Requirements: The applicant should have a broad engineering background, preferably in electronics and software engineering, and ideally with spacecraft systems knowledge.

Preferred Additional Requirements: Knowledge of Low Power Wide Area Network (LPWAN) protocols as used in internet-of-things applications.

Further details:
Eight weeks minimum fixed term contract to be agreed with successful candidate but nominally with a start date around 18 June 2018, when the SPIN Induction Day will be held at the Satellite Applications Catapult, Harwell. Salary is £1,500 per calendar month.

Closing Date for Applications: 12 noon, Tuesday 5 June 2018
Applications should be made through the online form attaching a CV, before the closing date. Please note that elements of the form left incomplete will be deemed to render the application ineligible. They will be checked for eligibility and forwarded to the employer.

Apply here: https://sa.catapult.org.uk/people/space-placements-industry-spin/