

## **Project 18/17 - Communications Systems Engineering SPINtern**

### **Assessment of satellite-terrestrial integration novel product development in the 5G environment for the drones market**

#### **Project Description**

To undertake a review of the market and a state-of-the-art (SoA) analysis of novel product developments towards satellite-terrestrial integrated solutions prepared for the 5G environment. The work will focus on the drones market, and it will particularly consider the technical features, its strengths and drawbacks, as well as identify potential research and innovation areas.

#### **Applicant Specification**

A student with enthusiasm in the drones landscape and motivated to undertake research and innovation in novel solutions, and who is interested in the technology as well as its applicability and commercial viability.

#### **Minimum Requirements**

Telecommunications, electronics or computer science engineering background, knowledge in robotics and particularly drones technology and applications.

#### **Preferred Additional Requirements**

Knowledge in satellite communications, embedded electronics and computing systems.

#### **Closing Date**

Monday 14 May

#### **Interviews**

Week commencing 21 May

#### **Further Details**

8 weeks fixed term contract to be agreed with successful candidate but nominally with a start date around 18 June which is also the SPIN Induction day at Harwell. Salary is £1,500 per calendar month.

Apply on the website: <https://sa.catapult.org.uk/people/space-placements-industry-spin/>