

Job Title: Young Graduate Trainee for RF Payload

Req ID 3922 - Posted 09/05/2018



EUROPEAN SPACE AGENCY

Young Graduate Traineeship Opportunity in the Directorate of Telecommunications and Integrated Applications.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post

Young Graduate Trainee for RF Payload

This post is classified F1.

Location

ECSAT, Harwell, United Kingdom.

Our team and mission

Quantum Project, which is part of the Telecommunications Satellite Programmes Department within the Directorate of Telecommunications and Integrated Applications, is responsible, in cooperation with a satellite operator and an industrial contractor, to successfully procure the Quantum satellite, which will be the first telecommunications satellite using a fully-flexible, "software-programmable" payload in Ku Band.

Interested candidates are encouraged to visit the ESA website: <http://www.esa.int>

Field(s) of activities

The Young Graduate Trainee (YGT) will continue the study previously performed on the beam-hopping functionality implemented on the Quantum satellite payload.

This study will be further developed to take into account the beam hopping tests to be performed between June and December 2018. Acquired beam hopping functionality knowledge will then be used to further extend the above-mentioned study with the payload calibration aspect.

In addition, the YGT will assist with the processing of test results coming from the testing of the Quantum payload, in a first part in order to gain knowledge of the functioning of the payload and in a second part to assist the project team to confirm that the payload is conforming to performance expectations.

The Project Payload Manager and Payload Engineers will assist in the follow-up of the tasks described above.

Technical competencies

Knowledge of relevant technical domains

Relevant experience gained during internships/project work

Breadth of exposure coming from past and/or current research/activities

Knowledge of ESA and its programmes/projects

Behavioural competencies

Self Motivation

Communication

Continuous Learning

Cross-Cultural Sensitivity

Teamwork

Education

Applicants should have just completed, or be in their final year of a University course at Masters Level (or equivalent) in a technical or scientific discipline.

Additional requirements

Applicants should have a familiarity with RF/Microwave theory and application and should understand the fundamentals of satellite telecommunications payloads and antennas. They would preferably have experience modelling payload elements and/or systems in software.

The working languages of the Agency are English and French. A good knowledge of one of these is required.

Knowledge of another Member State language would be an asset. In addition, applicants should demonstrate good interpersonal skills and the capacity to work both independently and as part of a team.

During the interview the candidates' motivation and overall professional perspective/career goals will also be explored.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

The closing date for applications is 6 June 2018.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, and the UK, or Slovenia as an Associate Member, Canada as a Cooperating State, Bulgaria, Cyprus, Latvia, Lithuania and Slovakia as European Cooperating States (ECS).

Priority will first be given to candidates from under-represented Member States.

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment