

Job Title: Young Graduate Trainee for Applied Optics/Optical Engineering

Req ID 8562 - Posted 25/04/2019



EUROPEAN SPACE AGENCY

Young Graduate Traineeship Opportunity in the Directorate of Technology, Engineering and Quality.

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 Applied Optics/Optical Engineering

This post is classified F1.

Location

ESTEC, Noordwijk, The Netherlands

Our team and mission

The Optics Section, as part of the Mechatronics and Optics Division, provides optical engineering support to ESA projects and carries out technological research in the areas of optical component technology, optical instrumentation (spectro-radiometric imaging instruments in the visible and infrared, interferometry, optical aperture synthesis) and testing (calibration and performance verification).

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

Field(s) of activities

The Young Graduate Trainee (YGT) will get acquainted with the principles of optical verification and characterisation tests applicable to optical space instrumentation. The YGT will support specific tests for optical components, such as scatter, transmission/reflection and wavefront error measurements. The YGT will be involved in the preparation, execution and analysis of these measurements.

In addition, the YGT will support the set-up and operation of optical ground test equipment for the verification and characterisation of small space instruments in the optical laboratory and will verify the correct operation of the equipment by designing and performing appropriate characterisation tests.

Finally, the YGT will have the opportunity to review the design of novel instruments and perform performance analysis activities using optical software tools.

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 physics or optical engineering.

Additional requirements

Applicants must be fluent in English and/or French, the working languages of the Agency. A good proficiency in English is required.

In addition to the above competencies, 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 23 May 2019.

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 United Kingdom. Nationals from Slovenia, as an Associate Member, or Canada as a Cooperating State, can apply as well as those from 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