

Job Title: Ground Support Systems Engineer

Req ID 8706 - Posted 10/04/2019



EUROPEAN SPACE AGENCY

Vacancy 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

Ground Support Systems Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, The Netherlands

Description

Ground Support Systems Software Engineer in the Ground Software Systems & Functional Verification Section, Software Systems Division, Systems Department, Directorate of Technology, Engineering and Quality.

The Ground Software Systems & Functional Verification Section provides functional support to ESA projects and carries out technological research (R&D) in the field(s) of EGSE and simulator technology, functional verification and related test bench technologies, database applications and advanced visualization (AR/VR) technologies.

Duties

Reporting to the Head of Section and within the technical fields described above, the main tasks and responsibilities of the post holder will include:

- providing expert technical support and consultancy to ESA projects, programmes and general studies in the field of EGSE, functional verification and related test benches throughout all project phases;
- participating in feasibility studies, project reviews and evaluation of procurement proposals;
- identifying critical development problems and assisting in their resolution;
- contributing to the definition of technology development requirements and work plans for the Agency's technology programmes;
- defining, initiating and managing R&D activities covering both long- and short-term needs;
- contribution to the standardisation effort of the section domain in the context of CCSDS, ECSS and other standardisation bodies
- fostering new application areas for multidisciplinary activities, placing emphasis on innovative concepts, cutting-edge technologies and system architectures;
- laboratory activities as required;
- monitoring applicable scientific and technological trends and maintaining a state-of-the-art expertise;
- contributing to the dissemination of the results of the activities performed and the transfer of knowledge across the Agency.

Duties may also include supporting other activities within the post holder's field of competence.

Technical competencies

General background and specific experience in the technical domains covered by the position

Experience with the design, development and application of relevant tools and methods
Understanding of related technologies, R&D trends and the industrial landscape
Project support experience in a relevant domain
Spacecraft systems knowledge
Experience in the management and monitoring of industrial activities, including participation in reviews
Experience with Space Engineering Standards and their preparation and implementation

Behavioural competencies

Communication
Teamwork
Innovation & Creativity
Problem Solving
Results Orientation
Planning & Organisation
Autonomy and pro-active attitude

Education

A Master's degree or equivalent qualification in computer science, electrical engineering or equivalent is required.

Additional requirements

Applicants for this position should have background and extensive experience in ground support systems for functional verification (e.g. EGSE, SCOE, FEE, testbenches) specification and development. Knowledge of system verification methods is required. Extensive knowledge of modern software engineering and practical experience of implementing complex systems is needed. Experience in (system) simulation and databases is desirable and knowledge of space systems is considered an asset.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.

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.

The Agency may require applicants to undergo selection tests.

The closing date for applications is 8 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, the United Kingdom and Canada and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States. (<http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

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.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.