

Job Title: Radio Navigation Engineer

Req ID 522 - Posted 20/07/2017



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

Radio Navigation Engineer

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

Location

ESTEC, Noordwijk, The Netherlands

Description

Radio Navigation Engineer in the Radio Navigation Systems & Techniques Section, Radio Frequency Systems Division, Radio Frequency Systems and Payloads Office, Electrical Department, Directorate of Technology, Engineering and Quality.

The postholder will report to the Head of the Radio Navigation Systems & Techniques Section.

Duties

The Radio Navigation Systems and Techniques Section provides functional support to ESA projects and performs technological research (R&D) on radio navigation systems, techniques and equipment for ground and space applications.

The postholder's tasks and responsibilities will include:

- supporting navigation projects (EGNOS, Galileo) in system design and development; participating in studies, simulations and laboratory testing to assess end-to-end functionalities and performance, including measurement campaigns, data processing and field testing; design, simulation, development and testing of radio navigation equipment, techniques for ground/space applications;
- participating in studies supporting the definition and/or analysis of future RN systems (EGNOS/Galileo evolution, GPS modernisation) regarding system, signals in space, user technologies;
- contributing to generating innovative ideas in the field of RN;
- generating technical requirements and statements of work for tasks to be performed by industry from early concept studies through to full hardware development;
- monitoring contracts with industry for RN concept studies and corresponding tools/equipment development;
- contributing to development/use of laboratory facilities in support of development testing of RN systems;
- monitoring applicable scientific and technological trends, maintaining state-of-the-art expertise;
- contributing to the dissemination of results of activities performed and knowledge transfer across the Agency.

Technical competencies

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

Radio navigation principles, systems and technology
Understanding of related technologies, R&D trends and the industrial landscape
Project support experience in a relevant domain
Experience with laboratory or field testing of relevant technical equipment
Experience in the preparation of procurement activities for technology development and innovation (e.g. statements of work, proposal evaluation)
Experience in the management and monitoring of industrial activities, including participation in reviews

Behavioural competencies

Communication
Customer focus
Innovation & creativity
Problem solving
Results orientation
Planning & organisation

Additional requirements

Applicants should have a sound background in (satellite) radio navigation systems (GPS, EGNOS, Galileo) plus several years work experience in these fields.

Education

Applicants for this post should have a Master's degree or equivalent qualification in telecommunications or electronic engineering.

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 application is 31 August 2017.

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.

Priority will first be given to internal candidates and secondly to external 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.