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EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Human Spaceflight and Operations

The European Space Agency is an equal opportunity employer
and encourages applications from women

POST

Navigation Engineer in the Navigation Support Office, Ground Systems Engineering Department, [Directorate of Human Spaceflight and Operations](#).

This post is classified in the A2/A4 grade band of the Coordinated Organisations' salary scale.

LOCATION

ESOC, Darmstadt (Germany).

DUTIES

The postholder will report to the Head of the Navigation Support Office, and will be responsible for selected operationally related activities in some of the following areas:

- support to the development, integration, validation, operations and analysis of the European Galileo project-related Ground System activities and analysis of Space Segment performance;
- development, maintenance and operation of the ESA IGS (International GNSS¹ Service) Analysis Centre and the associated GNSS ground station network;
- precise navigation for constellations and formation flying;
- precise orbit modelling for orbit determination and prediction, in support of ESA Earth orbiter missions;
- projects in the field of satellite-based navigation carried out on behalf of internal and external customers.

In the scope of these activities, participation in the following is required:

- specification, development and maintenance of the necessary advanced software systems and tools, including quality and configuration management aspects;
- specification and management of related studies.

¹ GNSS = Global Navigation Satellite Systems

QUALIFICATIONS

Applicants for this post should have a university degree or equivalent qualification in mathematics, natural sciences or engineering.

Strong background in satellite navigation with particular focus on Galileo and EGNOS. Demonstrated experience in several of the following fields would be an advantage: orbital mechanics; space geodesy; advanced estimation techniques; software engineering and security including related standards; development of mission critical software systems; software configuration management. A practical experience of Unix or Linux workstations and personal computers and related software is expected.

Candidates should have good interpersonal skills and proven ability to convey technical matters clearly (orally and in writing), to manage complex technical tasks (frame contracts for necessary support by industrial staff are in place) and demonstrated experience to work effectively with other highly qualified team members in a multi-project international environment.

The working languages of the Agency are English and French. A good knowledge of one of these two languages is required. Knowledge of another member state language is an asset.

CLOSING DATE

The closing date for applications is **05 September 2013**.

Applications from external candidates for this post should preferably be made [on-line](#) at the ESA Web Site (www.esa.int/careers). Those unable to apply on-line should submit their CV to the Head of the Human Resources Division, ESOC, Robert-Bosch-Str. 5, D-64293 Darmstadt, Germany.

ESA staff members wishing to apply for this post should fill in the [Internal Application Form](#) and email it to [Apply2ESOC](#).

The Agency may require applicants to undergo selection tests.

Under ESA Regulations, the age limit for recruitment is 55. Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada.

Priority will be first 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.