

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technical and Quality Management

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

POST

Software Engineer in the Flight Software Systems Section, Software Systems Division, Systems, Software & In-Orbit Demonstration Department, [Directorate of Technical and Quality Management](#).

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

LOCATION

ESTEC, Noordwijk (Netherlands).

DUTIES

The postholder will report to the Head of the Flight Software Systems Section. The Section's core activity consists in providing support to ESA programmes in the development of flight software for satellites and spacecraft. This includes specification, analysis, design, validation and maintenance activities in respect of software embedded in the spacecraft platform and payloads. The Section is also the focal point for development of Software Validation Facilities and Independent Software Verification and Validation.

The responsibilities will include:

- providing specialist technical support to ESA projects within the real-time embedded software systems domain, including flight software and flight software development and validation facilities;
- participating in the evaluation of industrial proposals and in project reviews;
- technical monitoring of software development contracts, including verifying industrial outputs, reviews and acceptance;
- providing expert software support to the Avionics System Group in the definition of on-board avionics concepts and architectures, including highly integrated and reconfigurable systems;
- participating in the definition and execution of the research programmes in the area of competence of the Division, in particular related to software architectures, software validation and modern software engineering methods and tools to improve the development and qualification process of embedded software;
- contributing to the standardisation effort in the software systems domain.

The postholder may also be called upon to support other activities elsewhere in the organisation.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in computer science and/or electrical engineering or similar, with a background and experience in embedded real-time systems. Extensive knowledge of modern software engineering and practical experience in real-time software systems is required. Knowledge of spacecraft systems engineering would be an advantage

Candidates should have good interpersonal and communication skills. They should have the ability to work autonomously, effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines.

In addition, applicants should have good analytical, organisational and reporting skills, a proactive attitude to solving problems and an interest in innovative technologies.

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

CLOSING DATE

The closing date for applications is **06 May 2014**.

Applications from external candidates for this post should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to Human Resources, ESTEC, Keplerlaan 1, 2201 AZ Noordwijk ZH, The Netherlands.

ESA staff members wishing to apply for this post should fill in the [Internal Application Form](#) and email it to [Apply2ESTEC](#).

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 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.