

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 Software Systems Engineering Section, Software Systems Division, Systems, Software and Technology 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 (The Netherlands).

DUTIES The postholder will report to the Head of the Software Systems Engineering Section. The Section's core activity is the support to ESA programmes in the development of flight software for satellites and spacecraft, including launchers and space station experiments. The Section also covers software engineering tools and techniques with a particular focus on system software co-engineering and model-driven developments and verification, as well as software standardisation (e.g. ECSS).

The duties of this post will include:

- providing specialist technical support to ESA projects within the real-time embedded software systems domain, including flight software and software engineering;
- participation in evaluation of industrial proposals and in project reviews;
- technical monitoring of software development contracts, including verification of industrial outputs, reviews and acceptance;
- supporting the development of methodology for space system design with complex software tasks, with emphasis on system-software co-engineering, software architectures and end-to-end aspects.
- provision expert software support to the Avionics System Group in the definition of on-board avionics concepts and architectures, including highly integrated and reconfigurable systems;
- liaising with other ESA divisions in order to ensure a consolidated, coherent and effective approach to embedded software in all affected disciplines;
- participation 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;

- contribution to the standardisation effort in the software systems domain.

The postholder may also be called upon to support other activities within the domain of competence 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 background and experience in embedded real-time systems. Extensive knowledge of modern software engineering as well as 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 with the ability to work effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team objectives. In addition, they 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 **02 January 2014**.

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, 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 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.