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Paris, 04 March 2014
(English only)

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

System Simulation Engineer in the System Modeling and Functional Verification Section, Software Systems Division, Systems, Software and 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 (The Netherlands).

DUTIES

The postholder will report to the Head of the System Modeling and Functional Verification Section of the Software Systems Division and will provide support to satellite projects and to the definition and implementation of the research and development (R&D) activities of the Section.

The duties include:

- supporting ESA space projects with the assessment of mission performance by means of end-to-end mission performance simulators;
- preparing requirements related to mission performance simulation infrastructure and the exploitation thereof;
- ensuring the definition and implementation of a mission performance validation programme up to and including data processor validation which meets project technical and programmatic requirements;
- monitoring and control of the industrial activities related to the specification, procurement and utilisation of mission performance validation infrastructure;
- establishing and exploiting advanced modeling and simulation based techniques applied to improve space mission design and verification;
- preparing and executing R&D activities in the domain of competence of the Section;
- participating in the development of engineering standards in the domain of competence of the Section.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in electrical and/or software engineering, with a background and experience in mission and system simulation, performance assessment and validation.

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 **01 April 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.