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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

Component Engineer in the Components Technology Section, Components Technology & Space Materials Division, Product Assurance and Safety Department, [Directorate of Technical and Quality Management](#).

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

LOCATION

ESTEC, Noordwijk (Netherlands).

DUTIES

The postholder will report to the Head of the Components Technology Section. The Section is responsible for Electrical, Electronic & Electromechanical (EEE) components activities and provides support in all phases of component development, from process definition to qualification and flight. The Component Engineer primarily provides support in the area of silicon-based components and technologies covering a variety of EEE parts ranging from Si-discrete components to Very-Large-Scale-Integrated (VLSI) circuits.

Specific duties will include:

- providing expert technical support to ESA projects and R&D activities, national space agencies and the European space industry for the selection, characterisation, evaluation, qualification, possible non-conformance and application of Si-based components for space applications;
- determining future ESA technology needs and associated roadmaps, defining technology activities for Si-based components in collaboration with industrial and institutional stakeholders;
- preparing and evaluating research proposals;
- managing industrial technology development and qualification contracts;
- supporting appropriate working groups for European coordination of Si-based components. reviewing and maintaining the related component engineering standards and specifications;
- defining and monitoring work to be performed by the ESA Materials and Electrical Components Laboratory;
- contributing to the dissemination of the results of activities performed and knowledge transfer across the Agency.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in physics, electronics or a related discipline. Good knowledge of device physics and failure modes related to Si-based components and technologies is required.

Candidates should have professional experience in R&D, laboratory investigations, manufacturing processes, components design, development or testing. Proven experience of managing industrial contracts is required.

A good knowledge of space engineering requirements, related standards and specifications (e.g. ECSS, ESCC) is required.

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

Candidates should have good analytical, organisational and reporting skills, a proactive attitude to problem-solving and an interest in innovative technologies.

For behavioural competencies expected from ESA staff, 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.

CLOSING DATE

The closing date for applications is **5 November 2015**.

Applications from external candidates 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 should fill in the [Internal Application Form](#) and email it to [Apply2ESTEC](#).

The Agency may require applicants to undergo selection tests.

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, 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.