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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**

Microwave Engineer in the Radio Frequency Equipment and Technology Section, Radio Frequency Systems, Payload and Technology Division, Electrical Engineering 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 reports to the Head of the Radio Frequency Equipment and Technology Section in the Radio Frequency Systems, Payload and Technology Division. The Section covers Radio Frequency (RF) equipment, subsystems and building blocks, active and passive components, and related design and characterisation tools.

Within these technical domains, the incumbent's responsibilities will include:

- contributing to the design, development and performance evaluation of RF equipment, subsystems, components and technologies applicable to space and ground segments;
- providing expert technical support to projects, programmes and general studies;
- contributing to the generation of innovative ideas in the field of RF equipment and technologies and to the definition of ESA R&D programmes;
- contributing to the diffusion of the results of the activities performed and the transfer of knowledge across the Agency;
- defining technical requirements and statements of work for the tasks to be performed by industry from early conceptual studies to full hardware development;
- initiating and monitoring study and development activities;
- contributing to the development/usage of Section-related laboratory facilities and analysis/simulation tools;
- monitoring applicable scientific and technological trends and collaborating with universities and research institutes to maintain state-of-the-art competence within ESA;
- supervising students and trainees for analysis, simulation and development of advanced concepts in the technical domains of the Section.

**QUALIFICATIONS**

Applicants for this post should have a Master's degree or equivalent qualification in microwave or RF electronics engineering, with a good background in RF equipment and technologies for space applications as well as several years of working experience in these fields. A general knowledge of RF/microwave equipment, subsystems, building blocks, techniques and technologies is also necessary.

A good understanding and experience of at least one of the domains of high-power amplifiers (TWTAs and/or SSPAs), passive RF equipment (filters, IMUX/OMUX, ferrite devices, etc.) and RF electronics (generation, acquisition and manipulation of RF signals) is required.

Experience with various standard industrial simulation and modelling tools is highly desirable.

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 problem-solving 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 would be an asset.

**CLOSING DATE**

The closing date for applications is **6 January 2015**.

Applications from external candidates for this post should preferably be made online from the ESA website (www.esa.int/careers). Those unable to apply on-line should submit their CV to theHuman 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.

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**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.**