

## EUROPEAN SPACE AGENCY

### Vacancy in the Directorate of Technology, Engineering and Quality

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

#### **POST**

Microwave Engineer in the Radio Frequency Equipment and Technology Section, Radio Frequency Payloads and Technology Division, Radio Frequency Systems and Payloads Office, Electrical Department, [Directorate of Technology, Engineering and Quality](#).

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

#### **LOCATION**

ESTEC, Noordwijk (Netherlands).

#### **DUTIES**

The Radio Frequency Equipment & Technology Section provides functional support to ESA projects and carries out technological research (R&D) in the fields of Radio Frequency (RF) equipment and building blocks, active and passive components, and related design and characterisation tools.

Reporting to the Head of Section and within the above technical fields, the postholder's main tasks and 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 and consultancy to ESA projects, programmes and general studies throughout all project phases;
- contributing to the definition of technology development for the Agency's Technology programmes;
- defining technical requirements and statements of work for tasks to be performed by industry, from early conceptual studies to full hardware development;
- initiating and monitoring R&D activities covering long- and short-term needs;
- fostering new application areas for multidisciplinary activities, with emphasis on innovative concepts, cutting-edge technologies and system architectures;
- contributing to the development/use of Section-related laboratory facilities and analysis/simulation tools;
- monitoring applicable scientific and technological trends, 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 Section's technical domains;
- contributing to the dissemination of the results of the activities performed and the transfer of knowledge across the Agency.

## QUALIFICATIONS

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

A good understanding and experience of passive RF equipment (filters, IMUX/OMUX, ferrite devices, etc.) and related electromagnetic analysis and design tools are required.

Candidates should have good interpersonal and communication skills. They should be able to work effectively, autonomously and cooperatively in a diverse and international team environment, defining and implementing solutions in line with team and individual objectives, as well as project deadlines.

Applicants should also 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 in general, 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 **18 May 2017**.

Applications from external candidates should preferably be made [online](#) from the ESA website ([www.esa.int/careers](http://www.esa.int/careers)). Those unable to apply on-line should submit their CVs 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.

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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**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, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovenia, 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.**