

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

Antenna Measurement Engineer in the Antennas and Sub-Millimetre Wave Section, Electromagnetics and Space Environment Division, Electrical Engineering 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 post holder will report to the Head of the Antenna and Sub-Millimetre Waves Section of the Electromagnetics and Space Environment Division.

Within the Electromagnetics and Space Environment Division, the Antenna and Sub-Millimetre Waves Section carries out project support and technological research tasks in the area of space antenna systems and sub-millimetre wave instruments. This includes antenna, payload and instrument radiative performance testing. The frequency domain covers the 100 MHz to 1 THz range.

Within the technical domains described above and under the direct responsibility of the Head of the Section, the incumbent will be assigned the role of Antenna Laboratory Coordinator for the internal and external antenna and RF material measurement facilities that fall under the responsibility of the Section. This role includes the following tasks:

- handling all operational aspects and planning of the facilities;
- contributing to the definition of the laboratory strategy, elaborating relevant infrastructure plans for the facilities and supporting their implementation;
- coordinating the activities of the external ESA antenna laboratory in order to maximise synergies;
- contributing to the identification of future needs in terms of RF radiative testing and supporting the ensuing evolution of the relevant facilities and testing hardware and software.

Other tasks and responsibilities will include:

- providing support to projects, programmes and general studies;
- participating in project reviews, in-house design and trade-offs to support project-specific technology development;
- defining, initiating and monitoring antenna research and development activities covering long- and short-term needs;
- fostering new application areas for multidisciplinary activities, placing emphasis on antenna testing innovative concepts, cutting-edge techniques and technologies and system architectures;

- monitoring applicable antenna testing scientific and technological trends and maintaining state-of-the-art expertise with a focus on antenna testing;
- contributing to the dissemination of the results of activities performed and to the transfer of knowledge across the Agency.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in electrical engineering with a comprehensive background in antenna testing and material radiofrequency characterisation. Solid experience in near and far field test techniques as applied to aerospace programmes is required, as is experience in the coordination of RF testing facilities.

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 **22 December 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 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.

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, 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.