

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

Mechanisms Engineer in the Mechanisms Section, Structure and Mechanisms Division, Mechanical 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 postholder will report to the Head of the Mechanisms Section of the Structures and Mechanisms Division. The Mechanisms Section's main activities cover the following technical domains: space mechanisms (such as for deployment and pointing or hold-down and release, solar array drives, and reaction wheels), tribology, pyrotechnics, and space mechanical systems for satellites and launchers.

The incumbent's duties will include:

- establishing relevant technology development requirements under the Agency's basic and supporting technology programmes;
- defining, initiating and monitoring appropriate industrial research and development activities;
- providing support to projects, programmes and general studies;
- participating in project reviews and procurement package evaluations;
- identifying critical development problems and assisting in their resolution, as well as assessing mechanisms development and verification test programmes;
- monitoring applicable technological trends and maintaining state-of-the-art expertise in the relevant domains;
- pursuing product developments for science and commercial space market applications in the field of space mechanisms;
- fostering new application areas for multidisciplinary mechanical systems, placing emphasis on innovative concepts, cutting-edge technologies and system architectures that can lead to potential breakthroughs in mission capabilities;

- defining relevant infrastructure requirements in terms of testing, standards and numerical simulation;
- contributing to dissemination of the results of the activities performed and the transfer of knowledge across the Agency.

The postholder may also be called upon to support other activities within their domain of competence.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in mechanical or aeronautical engineering or a similar domain, with several years' experience in the development of mechanisms for space or aeronautical applications. Knowledge of tribology, ball bearings, electrical motors, sensors and electrical transfer systems is also required.

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, they 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 would be an asset.

CLOSING DATE

The closing date for applications is **3 July 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 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.

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.