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Paris, 28 July 2014
(English only)

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** Thermal Engineer in the Thermal Control Section, Thermal Division, Mechanical 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 will work within a group providing technical support to various programmes in the field of Thermal Control.
- The main contributions by the incumbent to the work of the group will entail:
- providing thermal support to Agency projects (e.g. ESA's Earth Observation, Science, Telecommunication and Navigation Programmes) and to early feasibility and definition studies (e.g. in the frame of ESA/ESTEC's Concurrent Design Facility) for spacecraft and payloads, including:
 - identifying critical development problems and assisting in their resolution;
 - executing analyses as required to support the thermal subsystem definition;
 - participating in thermal testing activities in support of these projects and correlating analysis and test results;
 - reviewing and evaluating thermal control subsystems of Agency projects;
 - participating in the definition and implementation of the ESA Technology Research and Development Programmes and in the European Harmonisation activities, with emphasis on advanced thermal hardware technologies;
 - participating in the evaluation of industrial proposals and project reviews;
 - participating in ECSS standardisation activities in the thermal engineering domain;
 - contributing to the diffusion 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 physics or thermal/mechanical engineering.

A good knowledge of thermal systems and their interfaces to the spacecraft system is essential. This should include knowledge of conceptual design and the related analysis activities, thermal control materials and components, integration of thermal hardware, testing at component, subassembly, subsystem and system level. Several years of relevant experience is requested.

Solid experience with thermal analysis tools such as ESATAN-TMS is required. Knowledge of and experience in developing space-related thermal hardware such as advanced thermal insulation, thermal energy storage, heat rejection technologies, etc. would be an asset.

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 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 **08 September 2014**.

Applications from external candidates for this post 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 for this post 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 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.