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EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technical and Quality Management

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POST

Thermal Analysis Engineer in the Thermal Analysis and Verification 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 Thermal Analysis and Verification Section is responsible for providing technical support in the fields of thermal analysis and verification, interdisciplinary analysis in the thermal/mechanical domain and product data exchange. The Section coordinates at European level the development of key thermal analysis software and of STEP-TAS-based libraries for the exchange of thermal models. The Section is also responsible for the Mechanical Systems Laboratory as well as the day-to-day operation of the Mechanical Engineering Department's overall computing infrastructure.

The postholder will report to the Head of the Thermal Analysis and Verification Section and the main tasks will include the following:

- providing thermal support for the development and verification of spacecraft and associated payloads by executing various analyses in coordination with the Thermal Control Section;
- participating in the definition and implementation of the ESA Technology Research and Development Programmes, with emphasis on thermal analysis and verification methods;
- participating in the evaluation of industrial proposals and project reviews;
- supporting the ESA/ESTEC Concurrent Design Facility in the development of its required thermal and interdisciplinary analysis tools (within the thermal/mechanical domain);
- participating in the ECSS standardisation activities in the thermal analysis and verification domain.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in thermal/mechanical engineering or a related field, together with a good knowledge of software engineering.

A good knowledge of space thermal control engineering, as well as of overall spacecraft thermal/mechanical development and verification is essential.

In-depth knowledge, experience and interest in the area of thermal analysis methodologies is required as well as proven experience with thermal tools such as ESATAN-TMS.

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 **9 January 2015**.

Applications from external candidates for this post should preferably be made [online](http://www.esa.int/careers) on the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to the Head of the Human Resources Division, 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 be first 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.