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Paris, 14 June 2013
(English only)

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Technical and Quality Management

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and encourages applications from women

POST

Power Conditioning Engineer in the Power Management & Distribution Section, Power & Energy Conversion Division, Electrical 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 (The Netherlands).

DUTIES

The postholder will report to the Head of the Power Management and Distribution Section and will be responsible for providing specialist support in all aspects of power electronics and high-voltage engineering and associated technology aspects to one or more spacecraft projects. In addition, the incumbent shall prepare, monitor and guide applied research contracts in the field of power conditioning, including high voltage engineering.

The main tasks of the post are:

- maintaining state-of-the-art expertise and competence in the field of power conditioning and technology (including high-voltage engineering aspects);
- establishing design standards, including specifications and guidelines;
- providing power conditioning support to studies and approved ESA projects, including payload equipment (including high-voltage engineering aspects);
- driving development contracts related to future low- and high-voltage power conditioning concepts and technologies required for future ESA projects.

QUALIFICATIONS

Applicants for this post should have a university degree or equivalent in electrical or electronic engineering or physics and they should have experience in the development of power electronics.

Preference will be given to candidates with:

- experience in high voltage power electronics equipment design and testing, including a practical knowledge of the impacts of the space environment and interfaces with other spacecraft subsystems;

- a good background in power electronics with in-depth expertise in the state of the art, together with a good experience in digital and analogue electronics and control theory;

- a good knowledge of the specialist technological areas involved in spacecraft power conditioning equipment (including high voltage equipment, power conditioners for Travelling wave Tube (TWT) and power processing units for electrical propulsion);

- experience in the definition and specification of research and development activities;

Experience in computer simulation is desirable.

Candidates should have good interpersonal and communication skills with the ability to work effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team objectives.

In addition, applicants should have good organisational and analytical skills, as well as a proactive attitude towards 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 two languages is required. Knowledge of another member state language is an asset.

CLOSING DATE

The closing date for applications is **12 July 2013**.

Applications from external candidates for this post should preferably be made on-line at the ESA Web Site (www.esa.int/careers). Those unable to apply on-line 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 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.