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(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

Solar Generator Engineer in the Solar Generators Section, Power Systems 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 (Netherlands).

DUTIES

The incumbent will report to the Head of the Solar Generators Section and will be responsible for providing functional support to satellite projects, preparing, monitoring and guiding work on applied research contracts and overseeing and planning test activities for advanced solar generators.

The main tasks of the post will include in particular:

- providing specialist support to satellite projects for solar generator specifications, design, construction, testing and integration;
- providing independent, technical assessment to both project-level and Agency-level system and subsystem reviews;
- planning, initiating and supervising contracts with industry for the development of advanced space solar generator units, sub-assemblies and solar generator subsystems;
- planning and supervising test programmes for space solar generators;
- contributing to the dissemination of technical knowledge and lessons learned across the Agency;
- participating regularly and actively in weekly section meetings and other periodic events at division, department and directorate level.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in aerospace or electrical engineering or physics and have industrial experience in the design, manufacturing and testing of solar generators for space applications.

The knowledge of the following subjects is required:

- electrical design of solar generators;
- manufacturing and integration technologies for space solar generators;

- thermo-mechanical properties of space solar generators and their components;
- space solar generator test plans;
- current and next generation solar cells for space application;
- electrical performance prediction and verification;
- space environment effects on solar generators.

Experience in the management of technical contracts would be an asset.

Candidates should have good interpersonal and communication skills. They should be able 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, candidates 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 **19 December 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 CVs 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 be given first 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.