

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

Power, EMC & Rad-Hard Electronics Engineer in the Power Systems Division, Electrical 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 initially be assigned as Integrated Support to the JUICE Project, and will report to the JUICE Spacecraft & System Manager. The incumbent will support all spacecraft electrical procurements and also provide support to the Payload Section of the JUICE Project in monitoring the development of the instruments' electrical subsystems. The postholder's duties include responsibility for EMC and magnetic cleanliness and application of EEE parts.

Specific responsibilities will include:

- monitoring and controlling the requirements for the JUICE electrical subsystem EMC and magnetic cleanliness disciplines, Rad-Hard design and related budgets;
- analysing, monitoring and controlling the procurement, development and verification of spacecraft subsystems, in particular in the area of EMC, magnetic cleanliness, power supplies, and EEE part compatibility;
- monitoring and controlling overall spacecraft EMC & magnetic cleanliness, Rad-Hard design methods, including establishing and chairing related working sessions with the Prime Contractor and Principal Investigators for the spacecraft;
- participating in the definition of the AIV programme for the verification of electrical unit EMC and magnetic cleanliness, and participating in the related anomaly investigations, such that problems are identified and solutions implemented;
- participating in PA-related activities in the critical area of EEE part application, including support to part selection & control boards, and anomaly investigations and reviews;
- participating in JUICE project reviews and tender evaluations;

- participating in other tasks of the Project and of the Project Department where the postholder's experience can be brought to bear;
- participating in periodic meetings with the parent division and contributing to the transfer of technical knowledge and lessons learned across the Agency.

In the execution of these duties, the incumbent will coordinate the necessary engineering support from the Directorate of Technical and Quality Management as required.

QUALIFICATIONS

Applicants for this post should have a Master's degree or equivalent qualification in applied physics or engineering, complemented by significant experience in space electrical systems, space instrumentation, and/or space science technology development.

Candidates should have good interpersonal and communication skills. They should be able to work in an autonomous, effective and cooperative manner in a diverse, international team environment and 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 **31 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 online should submit their CV 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.

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.