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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

Opto-electronics Engineer in the Opto-electronics Section, Mechatronics and Optics 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 (The Netherlands).

DUTIES

The postholder will be assigned to the Opto-electronics Section of the Mechatronics and Optics Division. The Opto-electronics Section deals with opto-electronic and photonic components and systems, sensors, micro/nano scale devices, lasers and focal plane detectors, and contributes to the application of these technologies in space missions.

Within the technical domains described above, the duties assigned to this position will include:

- providing support to projects, programmes and general studies in optical instrument design;
- translating observational requirements into specifications;
- defining system architecture, configuration and interfaces;
- identifying critical areas, and executing related analysis and design work;
- establishing relevant technology development requirements within the Agency's basic and supporting technology programmes;
- defining, initiating and monitoring appropriate industrial research and development activities;
- participating in project reviews and evaluations of procurement packages;
- monitoring applicable scientific and technological trends and maintaining a state-of-the-art expertise;
- contributing to the definition of relevant infrastructure requirements in terms of testing, standards and numerical simulation.

QUALIFICATIONS

Applicants for this post should have a higher university degree (preferably at PhD level) or equivalent qualification in opto-electronics engineering or a related field. Ideally, they should possess a minimum of five years of experience in opto-electronic systems or technologies, with a solid background and experience in the design, development and test of opto-electronic devices and sensors. Experience in optical instrument design and hands-on laboratory activities is an asset.

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 and individual objectives and project deadlines. In addition, they 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 is an asset.

CLOSING DATE

The closing date for applications is **02 January 2014**.

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.