

## **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** Optical Instrument Engineer in the Optics 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 report to the Head of the Optics Section of the Mechatronics and Optics Division. This Section deals with:
- optical system requirement specification, design, engineering, manufacturing and verification;
  - optical component technology, including micro-optics, fibre and passive integrated optics, x-ray optics;
  - technologies for large and lightweight mirrors and optical benches;
  - spectro-radiometric imaging instruments in the visible and infrared;
  - optical communications;
  - imaging LIDARs, laser metrology and ranging;
  - interferometry and optical aperture synthesis.
- Within the technical areas described, the incumbent will:
- provide support to projects, programmes and general studies in optical instrument design;
  - establish relevant technology development requirements within the Agency's basic and supporting technology programmes;
  - define, initiate and monitor appropriate industrial research and development activities;
  - participate in and provide optical instrument design support to instrument and system studies in the Concurrent Design Facility (CDF);
  - participate in project reviews and the evaluation of procurement packages;

- identify critical development problems and assist in their resolution;
- monitor applicable scientific and technological trends and maintain a state-of-the-art expertise; foster new application areas;
- contribute to the definition of relevant infrastructure requirements in terms of testing, standards and numerical simulation.

## QUALIFICATIONS

Applicants for this post should have a PhD degree or equivalent in optical engineering or applied physics (with major emphasis on optics). Several years of project and/or industrial experience in the design, engineering, performance analysis and testing of various types of optical instrumentation (e.g. spectro-radiometric imaging instruments in the visible and infrared, optical communications, astronomical telescopes, imaging LIDARs, laser metrology, interferometry or optical aperture synthesis) are required, as well as hands-on experience with optical design tools.

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](http://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](mailto:Apply2ESTEC).

The Agency may require applicants to undergo selection tests.

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**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.**