

## **EUROPEAN SPACE AGENCY**

### **Vacancy in the Directorate of Science and Robotic Exploration**

The European Space Agency is an equal opportunity employer and encourages applications from women

#### **POST**

Payload Study Engineer in the Payload Instruments Section, Advanced Payload & Mission Concept Office, Future Missions Office, [Directorate of Science and Robotic Exploration](#).

This post is classified in the A2-A4 grade band on the Coordinated Organisations' salary scale.

#### **LOCATION**

ESTEC, Noordwijk (The Netherlands).

#### **DUTIES**

The Future Missions Office (SRE-F) is in charge of missions preparation activities for the Science and Robotic Exploration Programmes, including in particular mission definition studies (Phases 0/A/B1) and technology development activities.

The incumbent will report to the Head of the Payload Instruments Section (SRE-FMI). This section is in charge of the overall technical management of payload definition activities for future missions in early phases, for science and robotic exploration missions, including the technical interface with instrument consortia. The section also provides general payload expertise support to the other Directorate entities.

The main (non-exhaustive) responsibilities of the postholder will include:

- overall technical management of payload definition activities in early phases (Phases 0/A/B1) for a given future mission under study, for payload elements provided both by ESA and Member States. Design and analysis of astronomy and planetary science instruments;
- technical interface with the study science teams for instrumentation aspects in early phases;
- contribution to the instrumentation Announcement of Opportunity process for the selection of instrument consortia during Phase A;
- technical interface with the selected instrument teams in Phase A or B1;
- coordination and production of payload-related documents for ESA internal reviews, in particular the Preliminary Requirements Review at the end of Phase A, or the System Requirements Review at the end of Phase B1;

- supporting the elaboration of new instrument technologies required for the Science Robotic Exploration Directorate's Programmes, by participating in the elaboration and implementation of the Cosmic Vision and the Mars Robotic Exploration Preparation Programme (MREP) technology development plans and following nationally-funded activities;
- providing payload expertise and support to projects under development as required, e.g. through participation in reviews.

## QUALIFICATIONS

Applicants for this post should have a PhD or Master's degree in engineering or applied physics in addition to several years of project or industrial experience in the design, engineering, performance analysis and testing of various types of space instrumentation. Knowledge of sensors, payload technologies and general space instrumentation is pre-requisite. A well-developed system view and good understanding of mission requirements imposed by science payload is very important.

Candidates are expected to have a proactive attitude to solving problems, to be innovative and creative in their work approach and have a good planning and organisational skills. They should be self-motivated, disciplined and able to work and communicate effectively in a team.

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 **2 April 2015**.

Applications from external candidates for this post should preferably be made [online](http://www.esa.int/careers) from the ESA website ([www.esa.int/careers](http://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 for this post should fill in the [Internal Application Form](#) and email it to [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 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.**