

## 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** Carrier Module Systems Engineer in the ExoMars Project Division, Projects Department, [Directorate of Science and Robotic Exploration](#).

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

**LOCATION** ESTEC, Noordwijk (Netherlands).

**DUTIES** The ExoMars Project Division manages two missions planned for launch in the 2016 and 2018 Mars planetary transfer windows. This post will be primarily concerned with the second mission, currently planned for launch in 2018.

The Carrier Module Systems Engineer is responsible for all system aspects related to the Carrier Module System, which will transport the Russian-provided Descent Module, carrying the ESA Rover Module, to Mars, where it will separate prior to entry. The Carrier Module Systems Engineer is responsible for ensuring the coherence of a complex system with many technical, operational and organisational interfaces. The Carrier Module Systems Engineer will report to the ExoMars System and Orbiter Module Manager and will assist in the implementation of the 2018 Mission System, in accordance with the approved interface budgets and schedule requirements.

The postholder's areas of responsibility, which lie within the project guidelines and constraints, include:

- establishing the Carrier Module System functional architecture and maintaining the requirements associated with the functional elements and interfaces;
- monitoring Carrier Module System budgets and ensuring that Carrier Module design and performance are compatible with the agreed interfaces with the Launcher and Descent Modules within the Spacecraft Composite;
- monitoring the technical interfaces between the European industrial team and the project team located at Roscosmos/Lavochkin;
- developing and maintaining, in close cooperation with the ExoMars Payload and Assembly Integration & Verification (AIV) Manager, the verification of the Carrier Module design and flight hardware/software;
- monitoring the technical progress and milestones of the Carrier Module industrial contracts, ensuring that technical and programmatic issues are identified and reported to the System and Orbiter Module Manager in a timely manner;
- ensuring, in cooperation with the ExoMars Product Assurance and Safety Office, that proper Product Assurance practices are applied during the manufacturing, test and integration phases;
- participating in Tender Evaluation Boards and Project Reviews;

- participating in and providing support to other areas of the Project where experience can be applied.

The Carrier Module Systems Engineer will be assisted by specialist engineers from the Directorate of Technical and Quality Management (D/TEC) as well as available expertise within the project.

## QUALIFICATIONS

Applicants for this post should have a university degree or equivalent qualification in aerospace engineering, with specialisation in a technical discipline such as mechanical or propulsion or electrical engineering. Experience in spacecraft flight is required and specific experience in the development of scientific spacecraft missions would be an asset. A demonstrated ability to apply a multi-disciplinary approach in the context of a complex international multi-team environment is an important attribute for this post.

Previous involvement in the development and verification of ESA spacecraft would also be considered an asset.

Candidates are expected to demonstrate a results-oriented approach to working in a complex project environment, as well as the clear capability to plan and organise tasks.

Candidates must have good communications skills and a clear aptitude for working in a project 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 **06 June 2014**.

Applications from external candidates for this post should preferably be made [online](#) 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.**