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EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Human Spaceflight and Operations

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

POST

Avionics Engineer in the ISS System Development Unit, Development and Future Projects Division, ISS Programme and Exploration Department, [Directorate of Human Spaceflight and Operations](#).

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

LOCATION

ESTEC, Noordwijk (The Netherlands).

DUTIES

The postholder reports directly to the Head of the ISS System Development Unit and is responsible for avionics aspects related to the enhancement, evolution and sustaining engineering of the ESA systems at the International Space Station.

Specific duties will include:

- defining and implementing the enhancement and evolution activities related to the Columbus system and equipment in the avionics area;
- leading the procurement of Columbus avionics spares (existing or of new design). Performing necessary equipment software upgrades;
- supporting the real-time resolution of on-orbit issues associated to the Columbus system and avionics equipment. When possible, performing off-line troubleshooting for on-orbit Columbus system and avionics equipment which has been declared non-operational;
- performing repairs of the Columbus system and avionics equipment;
- leading the execution of the technical activities related to the ISS lifetime extension for the avionics aspects;
- providing support to the Class 2 Payload integration for items interfacing directly with the system in the avionics area;
- overseeing the development of the avionics aspects of the communications terminal of the Columbus Communications enhancement system service (internal and external portions);

- supporting the ESA ISS Engineering Board, the Mission Management Team (MMT), the Joint-MMT, and the IOT Joint-Engineering Control Board, as required;
- supporting the HSO-ID Division in other tasks, as required.

QUALIFICATIONS Applicants for this post should have a Master's degree or equivalent qualification in physics or engineering. A thorough knowledge of human space flight systems and of the Space Station programme is also essential. Previous experience with international cooperation will be an asset.

A high degree of knowledge and experience in the following areas is desirable:

- avionics, including communications aspects;
- the Columbus systems and equipment;
- Space Station operations and integration processes
- the interaction of the Columbus Systems with the rest of the Space Station.

The post requires candidates to be system-minded and to have a result-oriented approach. They should have the ability to work in a highly complex project environment, as well as have a strong capacity for planning and organising tasks. They should possess good communications skills and the capability of coordinating activities with groups spread across different sites.

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 **26 December 2014**.

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). Those unable to apply online should submit their CV to 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 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.