

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

Flight Dynamics Engineer in the Earth Observation Mission Support Section, Flight Dynamics Division, Ground Systems Engineering Department, [Directorate of Human Spaceflight and Operations](#).

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

LOCATION

ESOC, Darmstadt (Germany).

DUTIES

The postholder will participate in providing Flight Dynamics support to satellite projects, including study, development, test, operations, evaluation and maintenance activities, addressing infrastructure and project-specific issues.

The incumbent will be a member of the Section, which is responsible for:

- critical and routine operations support for ESA Earth Observation missions such as CryoSat-2 and SWARM, and other missions in preparation such as AEOLUS and EarthCARE;
- flight dynamics support to Sentinel missions supported from ESOC under the joint ESA/Commission Copernicus Programme;
- routine operations support for legacy science and observatory observation missions Cluster-II, XMM-Newton and Integral;
- early orbit and drift phase operations of Galileo satellites in cooperation with CNES;
- early orbit operations for third-party missions, e.g. Metop and MSG;
- development, validation, utilisation of operational software for EO missions in the areas of orbit and attitude determination & control.

The postholder will perform the following tasks:

- gathering and managing requirements for Flight Dynamics support to projects;
- gathering and managing software requirements;
- performing and supervising studies;
- developing, adapting, maintaining generic and project-specific software elements in the areas of orbit and attitude determination & control;
- coordinating Division-internal support and Division-external representation;
- coordinating at Division level and participating in launch preparation activities and operations;
- coordinating routine and contingency recovery support activities.

It is intended that the incumbent will primarily be concerned with support to the above missions. Involvement in other Division tasks is not excluded.

Apart from the above, the post's requirements include technical management of work packages carried out by contract firms.

QUALIFICATIONS Applicants for this post should have a Master's degree or equivalent qualification in mathematics, physics or engineering.

Candidates should be familiar with working in Flight Dynamics operations support. Experience of Flight Dynamics systems engineering and software systems development is essential.

Applicants should be capable of approaching their technical tasks with rigour and discipline, developing and following a systematic, pragmatic and goal-oriented approach. Problem-solving skills are essential.

Flexibility is required to cope with a multi-disciplinary/multi-project operational environment. Previous involvement in comparable Flight Dynamics activities and project management and team leadership experience would be advantages.

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 **29 July 2015**.

Applications from external candidates should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to Human Resources, ESOC, Robert-Bosch-Str. 5, D-64293 Darmstadt, Germany.

ESA staff members wishing to apply should fill in the [Internal Application Form](#) and email it to [Apply2ESOC](#).

The Agency may require applicants to undergo selection tests.

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.