

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Operations

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

POST Mission Analyst in the Mission Analysis Section, Flight Dynamics Division, Ground Systems Engineering Department, Directorate of Operations.

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

LOCATION ESOC, Darmstadt (Germany).

DUTIES Reporting to the Head of Section, the postholder will participate in mission analysis activities for future mission studies, spacecraft and ground segment design and operations preparation. This encompasses terrestrial, interplanetary and libration-point missions. The emphasis of the work is on orbit analysis and related fields, such as trading off orbit selection, optimising low/high-thrust propulsion trajectories (including rocket ascent), computing atmospheric entry trajectories, launch windows, fuel budget analysis, predicting orbit-derived data, orbit determination and navigation analysis, analysing satellite constellations and formation flight.

Duties will include:

- performing and coordinating mission analysis activities;
- developing and maintaining generic mission analysis methods and software;
- participating in developing generic flight dynamics software;
- developing project-specific mission analysis tools;
- technical managing of mission analysis work packages carried out by contract firms;
- specifying and managing study and development contracts;
- supporting projects by participating in tender evaluations and reviews of industrial contracts.

QUALIFICATIONS Applicants for this post should have a Master's degree or equivalent qualification in engineering, physics or mathematics. Experience in trajectory design, with a sound knowledge of orbital dynamics and of applying mathematical methods to solve practical dynamics problems, are required. Experience in modern software design methods is a strong advantage.

The successful candidate will work in a diverse international environment liaising with engineers in and outside the Department. Excellent team-work, communication and relationship-management skills are therefore required, with a proactive attitude to problem-solving and the ability to deliver solutions in line with agreed objectives.

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.

CLOSING DATE The closing date for applications is **25 April 2017**.

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.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovenia, 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.