

VACANCY NOTICE

Instrument Functional Chain Engineer

EUMETSAT is Europe's meteorological satellite agency. Its role is to establish and operate meteorological satellites to monitor the weather and climate from space - 24 hours a day, 365 days a year. This information is supplied to the National Meteorological Services of the organisation's Member and Cooperating States in Europe, as well as other users worldwide.

EUMETSAT also operates several Copernicus missions on behalf of the European Union and provide data services to the Copernicus marine and atmospheric services and their users.

As an intergovernmental European Organisation, EUMETSAT has 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom).

EUMETSAT is now inviting well qualified candidates from its Member States to apply for the following post:

POST: Instrument Functional Chain Engineer

LOCATION: EUMETSAT Headquarter in Darmstadt, Germany

**DURATION
OF INITIAL
CONTRACT:**

The initial contract will be of 4 years' duration, with subsequent 5 year contracts being awarded thereafter, subject to individual performance and organisation requirements. There is no limit to the amount of follow-up contracts a staff member can receive up to the EUMETSAT retirement age of 63 and there are certainly opportunities to establish a long career perspective at EUMETSAT.

BACKGROUND: EUMETSAT is currently developing the Meteosat Third Generation (MTG) satellite system in cooperation with ESA. EUMETSAT is responsible for the development of the overall system, including the MTG ground segment (GS), while ESA develops the space segment.

Within the MTG system development team, the Instrument Functional Chain Team (IFCT) is responsible for the development and end-to-end performances of the four MTG instrument functional chains (IFCs), i.e. the

Flexible Combined Imager (FCI), Lightning Imager (LI), Infrared Sounder (IRS) and UV/Visible/Near-infrared spectrometer (UVN) chains.

Reporting to the MTG IFCT Team Leader, the MTG Instrument Functional Chain Engineer will be responsible for the system engineering activities associated with the above Instrument Functional Chains.

DUTIES:

The main duties will be as follows:

- Support the production and maintenance of system and performance requirements applicable to each instrument functional chain, including their allocation to the different MTG system components, the implementation and their verification;
- Produce and assess end-to-end instrument chain performance budgets based on space, ground segment and system inputs, to ensure that the applicable MTG system and performance requirements are correctly verified and met;
- For each instrument functional chain:
 - Support the definition of instrument data and product processing algorithms and processing specifications and the evaluation of their ability to contribute to the fulfilment of end-to-end performance requirements;
 - Follow up and contribute to the validation of processing algorithms, the verification of processing chains deployed in the MTG ground segment and the validation of generated products;
 - Maintain the instrument data, auxiliary data and products format definition;
 - Coordinate the production of sample datasets and products, and write the associated documentation (e.g. user guides);
- Coordinate the planning and execution of the in-orbit commissioning activities aimed at demonstrating that end-to-end instrument functional chain requirements are met;
- Support the Instrument Functional Chain Team Leader in the overall coordination of all MTG IFC activities, including for the assessment of the consistency required across the IFCs to fulfil the MTG mission requirements.

QUALIFICATIONS:

- University degree in an engineering or scientifically relevant subject.

SKILLS AND EXPERIENCE:

- Proven track record in the field of system engineering of satellite-based Earth observation systems;
- Direct involvement in the development and test of satellite payloads and/or the related on-ground processing chains;
- Demonstrated ability to perform top-down allocations of performance requirements and to produce bottom-up end-to-end performance budgets;
- Experience in the development, verification and validation of scientific algorithms and software for remote sensing instruments data processing;
- Knowledge of prototyping and programming languages;
- Ability to plan, coordinate and monitor the development of instrument and data processing systems;
- Excellent interpersonal and communication skills and a proven ability to apply these when working within and across teams.

The official languages of EUMETSAT are English and French. Candidates must be able to work effectively in English and have some knowledge of French.

CLOSING DATE: 22 July 2018

Interviews are tentatively scheduled for week 35/2018.

Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(17) 57 (*re-issue*) at

www.eumetsat.int

This post is graded A2/A4 on the EUMETSAT salary scales. The minimum basic salary for the posts is EURO 5,363 per month (net of internal tax), which may be negotiable on the basis of skills and experience. The salary scale provides for increments on the anniversary of taking up employment, and scales are reviewed by the EUMETSAT Council with effect from 1 January each year. In addition to basic salary, EUMETSAT offers attractive benefits. Further information, including salary details, is available on the EUMETSAT web site.

EUMETSAT is committed to providing an equal opportunities work environment for men and women.

Please note that only nationals of EUMETSAT Member States may apply. The EUMETSAT Convention requires that Staff shall be recruited on the basis of their qualifications, account being taken of the international character of EUMETSAT. EUMETSAT does not operate a nationality quota system but, in recruiting Staff members, the geographical distribution will be taken into account.