VN 21/18 Remote Sensing Scientist - Hyperspectral Infrared Level-1 Processing

This position is located within the Remote Sensing and Products (RSP) Division, which is tasked with providing the scientific expertise required to develop, implement, validate, maintain and evolve the operational observational products from all EUMETSAT satellites and agreed third party missions (for example Copernicus Sentinel-3 and Sentinel-6), as well as establishing the user requirements for future EUMETSAT satellite programmes.

Within the Hyperspectral Infrared Competence Area (HS CA) of the Remote Sensing and Products Division (RSP), the Remote Sensing Scientist for Hyperspectral Level-1 Processing provides scientific and technical expertise on hyperspectral infrared measurements and their applications, and supports the calibration and validation of EUMETSAT hyperspectral infrared instruments.

Duties

- Support the development and operations of Level-1 data processing chains for the IASI, IASI-NG and IRS instruments on-board EUMETSAT satellites, including all aspects relating to product generation and quality monitoring (calibration, verification and validation);
- Develop and maintain prototype software in order to improve the operational implementations of Hyperspectral IR Level 1 processing across EUMETSAT missions;
- Initiate and lead relevant scientific studies, including the management of external contracts;
- Support the definition of requirements for the realisation of future satellite products and services;
- Support reprocessing and calibration activities for climate purposes;
- Actively interact and cooperate with the operational user community of EUMETSAT satellite products and services and with international partners.

Skills and Experience

LOCATION
Darmstadt, Germany

QUALIFICATIONS
University degree in remote sensing, meteorology or equivalent.

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

DEADLINE
21 April 2021

- Demonstrated experience in remote sensing and processing of data from space-borne interferometric instruments;
- Proven understanding and experience in processing of hyperspectral infrared instruments measurements, and in particular the calibration principles;
- Experience in developing complex scientific application software and analysis tools (both technically and in terms of project management). Scientific and operational knowledge of atmospheric sounding in the infrared domain is an advantage;
- Experience in an operational environment would be an asset;
- Excellent problem solving, analysis, synthesis and presentation skills;
- Strong interpersonal skills and team-orientation;
- Experience in working with atmospheric and meteorological user communities and researchers.

Employment Conditions

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.
This post is graded A2/A4 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5,363 per month (net of internal tax but excluding pension contribution and insurances) 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.

About EUMETSAT

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 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.)

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