

Computer scientist (f/m/d) - microwave radiometers

Institute for Geophysics and Meteorology | ACTRIS - D

Foto: Thomas Josef

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

The Institute for Geophysics and Meteorology at the University of Cologne is seeking for a computer scientist (f/m/d) for the development of the Microwave Radiometer Unit within the ACTRIS Centre for Cloud Remote Sensing (CCRES).

Within the European research infrastructure ACTRIS (Aerosol, Cloud and Trace Gas Research Infrastructure), remote sensing of clouds is one of the six focus areas. To ensure high quality observations throughout the network, topical centres for the development of new methods, operation support and calibration are being implemented. The University of Cologne will host the topical centre for microwave radiometry.

YOUR TASKS

- » Development of the data processing and product generation framework for a network of microwave radiometers
- » Implementation of automatic quality control and quality assurance methods of the measurements
- » Operation and calibration of microwave radiometers
- » Strong collaboration with ACTRIS data centre in Helsinki for implementation of data processing of the microwave radiometer network
- » Exchange with ACTRIS observatories for data processing

YOUR PROFILE

- » Bachelor Degree in computer sciences or related fields
- » Advanced programming skills (Python), UNIX or Linux operating systems, data base systems, script languages
- » Several years of experience with data processing of large datasets and/or operation of geophysical instrumentation
- » Fluency in English
- » Team player

WE OFFER YOU

- » Working in an international environment
- » A diverse and fair working environment
- » Support in reconciling work and family life
- » Flexible working time models
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Local transport ticket at a discount for UoC employees

The position is available from the 01.06.2021 on a full-time basis, subject to the approval of funds. It is limited until 31.05.2026 at the latest. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 12 TV-L of the pay scale for the German public sector.

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please apply online at: <https://jobportal.uni-koeln.de> with proof of the sought qualifications. The reference number is TUV2104-06. The application deadline is the 30.04.2021.