

Postdoctoral Researcher (f/m/d) - Atmospheric Remote Sensing

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.

Active ground-based remote sensing is a rapidly evolving field and has the potential to deliver valuable insights into the turbulent and microphysical processes leading to the formation of clouds. Within the European Research Infrastructure ACTRIS, we plan to upgrade the Jülich Observatory for Cloud Evolution (<http://joyce.cloud>) with a multi-wavelength lidar (focus water vapor profiling) as well as a new cloud radar (focus cloud and precipitation formation).

YOUR TASKS

- » Operational setup of a new multi-wavelength Raman lidar at the JOYCE facility
- » Operational setup of a scanning, polarimetric Ka-band cloud radar at the JOYCE facility
- » Develop and apply inversion methods to infer water vapor and temperature profiles, turbulent fluxes and cloud microphysical parameters
- » Represent the JOYCE National Facility within the international ACTRIS context

YOUR PROFILE

- » PhD in Meteorology or a related field
- » Strongly experienced in atmospheric remote sensing
- » Advanced state-of-art scientific programming skills, UNIX or Linux operating systems / HPC environments
- » Team player, enthusiasm about experimental measurements
- » willing to present research at international workshops and conferences
- » Fluency in English

WE OFFER YOU

- » Working within an internationally well-established research group
- » 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 most. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 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 Wiss2103-27. The application deadline is the 30.04. 2021.