

Our research team offers a full-time position as

Postdoctoral scientist (f/m)

*Opportunities
for Talents*

to be filled as soon as possible.

About us

The Chair of Remote Sensing Technology at the Technical University of Munich, Germany, works in close cooperation with the DLR Remote Sensing Technology Institute in Oberpfaffenhofen. Our research focuses on the development of innovative methods to extract information from current and next-generation earth observation mission data.

In the context of the future EU/ESA Copernicus missions "*Sentinel-5 Precursor (S5P)*" and "*Sentinel-4 (S4)*" algorithms for an accurate determination of ozone, sulfur dioxide and other trace gases as well as for cloud parameters will be developed. These algorithms will be used operationally in real-real-time and offline data processing systems.

Your profile

- Full university degree in physics or a related field
- PhD degree in physics or a related natural sciences field, or other equivalent work experience
- Experience with satellite-based information retrieval of cloud parameters from UV nadir spectrometers, atmospheric radiative transfer as well as with ground-based atmospheric measurements
- Experience with Linux/Unix and Windows operating systems
- Good programming skills (for example in C, Fortran, Python, IDL)
- Good command of written and spoken English; experience in team and project work

Tasks

- Development and improvement of innovative scientific algorithms to extract information from observations based on the atmospheric sensors S5P and S4 as well as for the determination of cloud parameters
- Participation in the integration of the newly developed algorithms in operational software systems
- Conception, preparation and execution of test runs

Our offer

- Salary based on TV-L up to scale E14 based on qualification. The contract will be initially limited to three years and has the option of an extension
- Excellent working conditions in an international team
- Collaboration with renowned scientist in Germany and abroad as well as with well-known institutions in the field
- We give priority to severely disabled applicants with essentially equal qualifications
- The Technical University of Munich pursues the strategic goal of substantially increasing the proportion of women in research and education and thus expressly invites qualified female scientists to apply.

Your application

We look forward to receiving your complete application documents. Please send these electronically to:

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