KIT

Karlsruhe Institute of Technology

Satellite Climatology
Prof. Dr. Jan Cermak, Dr. Hendrik Andersen

Within a new research project we are looking for a

PhD Student in
Satellite-Based Analysis of Fog Life Cycles in the Namib Desert

The position can be filled immediately, and is available for up to three years (75% E13, corresponding to ~€2000 after taxes).

To enjoy this position you should be open to learn about and become an expert in

- fog and aerosol processes, climate change
- the application of statistical techniques and machine learning methods to satellite data for analyzing the climate system

and interested in

- pursuing your own ideas in close exchange with others
- profiting from the immense collaboration potential in the group, the project, and at KIT
- possibly traveling to the measurement sites in Namibia (not mandatory)

More on the project: https://www.imk-asf.kit.edu/english/skl_projects_3938.php
If this sounds good to you and you have a relevant background in Earth/climate science and/or remote sensing, or you have questions on the position, we are looking forward to hearing from you as soon as possible via email to hendrik.andersen@kit.edu. To formally apply, please attach the following documents in a single pdf file to your email:

- Motivation letter
- A short comment (1/2 page) on how you think the findings of the paper (https://doi.org/10.5194/acp-20-3415-2020) could be useful to the planned research of the project (outlined under the project link above)
- CV
- Contact details of two potential referees

Karlsruhe Institute of Technology (KIT) is one of the biggest research institutions worldwide and has access to state-of-the art research facilities resulting from the merger of the National Research Centre of the Helmholtz Association and the former Technical University. For the atmospheric sciences in particular, KIT is one of the highest-ranked institutions in Europe and offers a vibrant and exciting environment full of opportunities.

The Satellite Climatology group is interested in the role of aerosols and clouds in the climate system, with ongoing projects focusing on the development and application of **satellite techniques and machine learning** in climate system research. More information here: https://www.imk-asf.kit.edu/english/satelliteclimatology.php

If you haven't been to Karlsruhe: **Karlsruhe** is a city of about 300,000 in the sunny south-west of Germany, with lots of urban green, a lively cultural environment, excellent public transport, very cycle-friendly, and with easy access to the Black Forest mountains.