

## Announcement: Research Associate (5 years) within the Cloud Physics Group at IMKTRO

The cloud physics group at the Institute for Meteorology and Climate Research – Troposphere Research (IMKTRO), led by Prof. Dr. Corinna Hoose, works towards a better understanding of mixed-phase and ice clouds and the improvement of their representation in weather and climate models. Our research is based on numerical modelling – mainly with the Icosahedral Nonhydrostatic model ICON – in combination with satellite observations, data from field campaigns, or laboratory measurements. We focus on cloud microphysical processes and their effects onto larger-scale cloud properties. Currently, the group consists of 15 PhD students, MSc students, postdocs, one senior scientist and the group leader. For recent publications and ongoing projects see <https://www.imk-tro.kit.edu/english/5599.php>.

With this opening, we are filling a position with a long-term perspective, with the aim to strengthen and broaden the research portfolio of the cloud physics group. For this, we are looking for a creative, team-oriented personality to

- Support the group members in scientific and technical aspects of their work.
- Conduct own research, including the submission of proposals for third-party funded projects, and (co-)supervise BSc, MSc and PhD students on projects enriching the thematic and methodological portfolio of the cloud physics group.
- Teach (initially 4-6 hours per week during the lecture period) within the BSc and MSc programs of Meteorology and Climate Physics.
- Assist the group leader in administrative tasks.
- If desired, work towards a habilitation.

We are looking for a highly motivated candidate with a PhD in meteorology, physics, or a similar field, in-depth knowledge of cloud physics and numerical modelling, good programming skills and experience with high-performance computing. Very good English language and communication skills, knowledge of the German language or the willingness to learn German, the ability to work independently and in a team, and a proactive attitude are expected.

We offer a dynamic work environment at one of Germany's largest research institutes for atmospheric sciences, ranked #1 in Germany in the Shanghai Ranking of Academic Subjects in Atmospheric Sciences. KIT, the research university within the Helmholtz Association, is one of the largest institutions of research and higher education (9,400 employees and 25,000 students) in natural sciences and engineering in Europe. KIT actively supports equality, diversity and inclusion, and as an equal opportunity employer, KIT explicitly encourages applications from women as well as from others with diverse backgrounds and perspectives. Applicants with disabilities will be preferentially considered if suitably qualified. The position will be initially filled for five years, but has the option to become permanent subject to satisfactory performance. Payment of the position is according to TV-L E13, depending on the fulfillment of professional and personal requirements. Part-time work is possible.

Please send your application, including a letter of motivation, CV, certificates, contact addresses of potential references, and a short description (max. one page) of your research and perspectives within the cloud physics group, as a single pdf file to [corinna.hoose@kit.edu](mailto:corinna.hoose@kit.edu). Review of applications will start on **11 March, 2024**, and will continue until the position is filled.