

The Karlsruhe Institute of Technology (KIT) and its Institute of Meteorology and Climate Research (Atmospheric Environmental Research, KIT/IMK-IFU), Campus Alpin in Garmisch-Partenkirchen, Germany, invites applications to the open position of a

PhD studentship, in the area of Boundary Layer Meteorology.

The position is within the IMK/IFU's Helmholtz Young Investigators Group dealing with scales of biosphere-atmosphere exchange and the enigmatic energy balance closure problem (group: Transport Processes in the Atmospheric Boundary Layer).

Expected tasks include the application of Large Eddy Simulation to evaluate the fractional contribution of large-scale convective transport near the surface in heterogeneous landscapes by conducting virtual measurements under controlled flow conditions, and to identify driving parameters for the development of large-scale atmospheric motions.

We offer a multi-disciplinary, collaborative research environment with excellent research infrastructure and support, well connected to national and international programmes. Stipend and benefits will be according to the Collective Agreement for KIT Doctoral Students. Appointment is for a period of **three years**.

Professional requirements:

- Master degree (or equivalent) in atmospheric science, physics, environmental science or engineering, or a related field

Assets:

- Familiarity with Atmospheric-Boundary-Layer processes
- Experience in analysing large datasets
- Proficiency in an advanced programming language (Fortran C/C++, Matlab or R)
- Experience with micrometeorological field experiments
- Inclination for cross-disciplinary collaboration

Enquiries and applications including a short statement of motivation, CV, certificates, Master's thesis abstract, list of publications (if any) and contact information for two professional referees can be directed to

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Applications arriving before **November 24th, 2013** will be given full consideration. For further information about KIT/IMK-IFU see <http://www.imk-ifu.kit.edu/>.

KIT strives to achieve gender balance at all levels of employment. We therefore particularly encourage female candidates to apply for this position. With appropriate qualifications, applications from persons with handicaps will be treated with preference.