

In the research group *Theory of Atmospheric Dynamics and Climate* at the Institute of Atmospheric and Environmental Sciences of the Johann-Wolfgang-Goethe-University Frankfurt there is a vacancy for a

Research Scientist (Akademische/r Rat/Rätin auf Zeit)

The initial appointment will be for three years.

Applicants should hold a PhD in meteorology, physics, applied mathematics, fluid dynamics, astronomy or a related field. Expected is a very strong background in theory and/or modeling and a capability for research in atmosphere dynamics. The specific research field shall be the theory of mesoscale and sub-mesoscale wave dynamics and its interaction with larger-scale systems. The ultimate objective is the improvement of the description of gravity waves in weather and climate models.

The post offers the opportunity for further scientific qualification within the German system (Habilitation). Within this framework a modest participation in teaching in the meteorology program and in attracting external funding is expected. The research activity is to be embedded both in a national research initiative on the multi-scale dynamics of gravity waves, and in the corresponding international scientific community.

Some information on the research group can be found under <http://www2.uni-frankfurt.de/45681958/Theory-of-Atmospheric-Dynamics-and-Climate>. Its focus is on scale interactions in atmosphere dynamics, with applications to large-scale low-frequency variability and to gravity-wave dynamics. Middle-atmosphere dynamics is another field of work. Techniques used include multi-scale asymptotics, stochastic methods, and numerical simulation. Inquiries should be addressed to Prof. Dr. Ulrich Achatz (achatz@iau.uni-frankfurt.de).

Applications with the usual documents (CV, diplomas, and a list of publications) should be sent by January 15, 2014 to Prof. Dr. Ulrich Achatz, Johann Wolfgang Goethe-Universität Frankfurt, Institut für Atmosphäre und Umwelt, Altenhöferallee 1, 60438 Frankfurt am Main, Germany. Applications will be considered beyond this date until the post has been filled.