



In the research group *Theory of Atmospheric Dynamics and Climate* at the Institute of Atmospheric and Environmental Sciences of the Goethe University Frankfurt there is a vacancy, to be filled as soon as possible, either for a

PhD Student (E13 TV-GU/2)

where the appointment would be for three years, and depending on success stepwise salary increases up to 75% TV-GU are intended, or for a

Postdoctoral Scientist (E13 TV-GU)

where the appointment would be for two years.

Requirements PhD student: Applicants should have a very good diploma/Master's degree in meteorology, physics, applied mathematics, fluid dynamics, or a related field.

Requirements Postdoctoral Scientist: Applicants should hold an excellent PhD in meteorology, physics, applied mathematics, fluid dynamics, astronomy, or a related field.

Expected in both cases is a strong background in theory and/or modeling and a capability for scientific work in atmospheric dynamics.

The specific research shall be on the theory and modeling of atmospheric gravity waves and their parameterization in weather and climate models. It is to be embedded into the DFG research unit MS-GWaves on the multiscale dynamics of gravity waves, a major national activity in the field (<https://ms-gwaves.iau.uni-frankfurt.de/>)

Information on the research group can be found at <http://www.goethe-university-frankfurt.de/45681958/Theory-of-Atmospheric-Dynamics-and-Climate>. Its focus is on scale interactions in atmospheric dynamics, applied e.g. to large-scale low-frequency variability or gravity-wave dynamics. Middle-atmosphere dynamics is another field of work. Methods employed are e.g. multi-scale asymptotics, stochastics, and numerical simulations. Inquiries should be addressed to Prof. Dr. Ulrich Achatz (achatz@iau.uni-frankfurt.de).

Applications with the usual documents (CV, diplomas, transcripts, references) should be sent by 4.7.18 to Dr. Elena Gagarina (gagarina@iau.uni-frankfurt.de). Applications will be considered beyond this date until the post has been filled.