



Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

The Faculty of Mathematics, Informatics and Natural Sciences, Department of Earth Sciences, Meteorological Institute invites applications for a

RESEARCH ASSOCIATE (PHD STUDENT)

- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 1 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on 1 August 2020 or as soon as possible after this date.

This is a fixed term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The initial fixed term is three years. The position calls for 50% of standard work hours per week.*

RESPONSIBILITIES:

Research associate will be expected primarily to conduct research. The conducted research aims at further academic qualifications, concretely a doctoral dissertation. With 2-hours per week at most of teaching, the candidate also acquires academic teaching qualifications. At least one-third of set working hours will be made available for the research associate's own academic work.

SPECIFIC DUTIES:

The PhD candidate will be a member of the SICSS doctoral school, <https://www.sicss.uni-hamburg.de/phd-program.html> which aims to help young academics thrive through all stages of their training.

The candidate will be given an opportunity to choose between the two research topics: i) growth of errors in weather forecasts associated with the limits of practical predictability and ii) optimization of the satellite wind observations for the use in numerical weather prediction associated with potential Aeolus follow-on missions. Moreover, perspective candidate are invited to expose own interests and propose further topics in the fields of fluid dynamics with application to atmospheric processes at large scales and numerical modelling for weather prediction and climate simulations. The candidate will work with Prof. Nedjeljka Žagar and members of her group using theory and numerical models.

* Full-time positions currently comprise 39 hours per week.

REQUIREMENTS:

A university degree in physics or mathematics, preferably with specialization in atmospheric sciences; good programming skills; fluency in English language; interest in doing basic research in atmospheric dynamics and geophysical modelling. Working knowledge of Fortran constitutes a definite advantage, but is not required.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information regarding the research topic, please contact Prof. Dr. Nedjeljka Žagar at nedjeljka.zagar@uni-hamburg.de or consult our website at <https://www.mi.uni-hamburg.de/arbeitsgruppen/theoretische-meteorologie.html>.

Applications should include a cover letter with a statement on research interests, a tabular curriculum vitae, names and contact information of two referees and copies of degree certificate(s) submitted as one single PDF file. Please send applications by **15 June 2020** to: mi@uni-hamburg.de with the subject line “Theoretical Meteorology PhD position”.

Please do not submit original documents as we are **not** able to return them. Any documents sub-mitted will be destroyed after the application process has concluded.