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, Meteorological Institute invites applications for a

**RESEARCH ASSOCIATE FOR THE PROJECT**

**“CLICCS - CLIMATE, CLIMATIC CHANGE, AND SOCIETY”**

**C1: SUSTAINABLE ADAPTATION SCENARIOS FOR URBAN AREAS — WATER FROM FOUR SIDES**

- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on April 1, 2020.

This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of 36 months. The position calls for 65% of standard work hours per week**.

**RESPONSIBILITIES:**

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications.

**SPECIFIC DUTIES:**

CLICCS is an ambitious research program at Universität Hamburg and its partner institutions. Funded by the German Research Foundation (DFG), it is part of Germany’s Excellence Strategy.

The program aims to understand climate changes, taking into account internal variability, extreme events, and unexpected side effects, addressing the natural and social spheres as well as their interactions. Thus CLICCS’ overarching research question is: which climate futures are possible and which are plausible? CLICCS will investigate how climate changes and how society changes with it, thereby feeding back on climate. It will identify those climate futures that are consistent with both climate and social dynamics (possible), and those we expect to unfold with appreciable probability (plausible).

* Full-time positions currently comprise 39 hours per week.
PhD candidates are members of our graduate school, which aims to help young academics thrive through all stages of their training, for more information please check the link: Graduate School

As a high-resolution refinement of routine precipitation measurements on space scales of 100 m and time scales below one minute, the University of Hamburg operates an X-band radar and a network of micorain radar in the Hamburg metropolitan region. Our aim is the development, combination and application of modern derivation methods for the generation of high-resolution precipitation products including quantitative uncertainty estimations. A special focus is on the corrections of inherent damping effects in the X-band range as well as the typical uncertainties in the radar-based, quantitative precipitation determination by variations in the drop spectra and the precipitation phase. Both physical and radarmeteorological methods as well as statistical approaches from classical geostatistics to machine learning are applied.

REQUIREMENTS:

A university degree in a relevant field. Knowledge of radar meteorology, cloud microphysics. Ability to efficiently program complex algorithms for the processing of very large observation data sets in the terabyte range. Experience with geostatistical methods. Very good knowledge of written and spoken English.

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

For further information, please contact Marco Clemens (marco.clemens@uni-hamburg.de) or consult our website at https://www.cliccs.uni-hamburg.de/de/research/theme-c/c1.html or http://wetterradar.uni-hamburg.de.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by January 19, 2020 (1 PDF) to: Universität Hamburg, Meteorologisches Institut, Bundesstraße 55, 20146 Hamburg, or: mi@uni-hamburg.de.

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