



The Faculty of Mathematics, Informatics and Natural Sciences / Department of Geosciences / Institute of Meteorology invites applications for a

## RESEARCH ASSOCIATE FOR THE PROJECT “CLICCS - CLIMATE, CLIMATIC CHANGE, AND SOCIETY” CLIMATE VARIABILITY AND PREDICTABILITY (A6) - SALARY LEVEL E13 TV-L -

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The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on July 1, 2019.

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\*\*.

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).

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](#).

### RESPONSIBILITIES:

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

### SPECIFIC DUTIES:

A PhD student will study statistics and predictability of extreme events using large-ensemble climate simulations of a coupled atmosphere-ocean model. The ensembles cover historical and

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

future climates with high temporal and spatial resolution. The focus will be on the scale-dependent behaviour of extremes in changing climate. Analysis tools for the spectral decomposition and extreme-value statistics are available.

#### **REQUIREMENTS:**

A university degree in a relevant field. Candidates with strong interest in geophysical fluid dynamics and enthusiasm for numerical modelling holding a master degree in atmospheric sciences, physics, mathematics or related fields are encouraged to apply. Programming skills are crucial for this position and a good knowledge of Python, R or Matlab is needed, and FORTRAN is desirable. He/she should be fluent in English and engaged in teamwork. Expected start is 1 July 2019 or as soon as possible after this date.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

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

For further information, please contact Prof. Dr. Nedjeljka Žagar ([nedjeljka.zagar@uni-hamburg.de](mailto:nedjeljka.zagar@uni-hamburg.de)), Dr. Richard Blender ([richard.blender@uni-hamburg.de](mailto:richard.blender@uni-hamburg.de)) or Dr. Frank Lunkeit ([frank.lunkeit@uni-hamburg.de](mailto:frank.lunkeit@uni-hamburg.de)) or consult our website at [clicca.uni-hamburg.de](http://clicca.uni-hamburg.de).

Applications should include a cover letter, a curriculum vitae, names of two referees, and copies of degree certificate(s) submitted as one single PDF file. The application deadline is 19 April 2019. Please send applications to: [clicca-applications.cen@uni-hamburg.de](mailto:clicca-applications.cen@uni-hamburg.de). Keyword: A6PhD4

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.