Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

1919 2019 100 JAHRE WISSENSWERFT Universität Hamburg

Faculty/Department:	Mathematics, Informatics, Natural Sciences
Seminar/Institute:	Institute for Oceanography/CEN

Universität Hamburg invites applications for a Research Associate in the field of Theme A: Sensitivity and Variability in the Climate System within the framework of the DFG Cluster of Excellence 'CliCCS – Climate, Climatic Change and Society' in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG).

The position commences on April 1, 2019. It is remunerated at the salary level TV-L 13 and calls for 39 hours per week.

The fixed-term nature of this contract is based upon Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed to 5 years.

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 CliCCS project 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).

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).

CliCCS offers accompanying measures to help scientists thrive through all stages of their careers.

Responsibilities:
Duties include academic services within the CliCCS project. Research associates can also pursue independent research and further academic qualifications outside regular working hours.

Specific Duties:
The project will focus on climate variability from eddy to basin scales and its changes in a warming world. It will quantify the full spectrum of variability for present day situations, will compare it with the state of our knowledge resulting from observations, and will then study how this variability is changing in climate change scenarios under week and strong climate forcing. The project will use output from the new ICON-based global coupled high-resolution Earth System Model MPI-ESM-2. Output will be analyzed from historical runs as well as from climate-change

scenarios. The associated changes in the representation of climate modes and eddy variability will be investigated. Consequences of the findings for climate predictability and climate predictions will be analyzed.

Requirements:
A university degree in oceanography, meteorology or equivalent, plus doctorate. Experiences in climate modeling and/or climate prediction is required to cover the full spectrum of the proposed complex analyses. In particular, she/he should have the necessary background in climate variability and modes and ways to analyze them in model output.

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Prof. Detlef Stammer (detlef.stammer@uni-hamburg.de), or consult our website at https://www.cliccs.uni-hamburg.de.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s) submitted as **one single PDF file**. The application deadline is Feb. 28, 2019. Please send applications to: cliccs-jobs.cen@uni-hamburg.de, reference code: Theme A-Postdoc-Stammer.