



RESEARCH ASSOCIATE/SCIENTIFIC PROGRAMMER FOR THE PROFESSORSHIP CLIMATE STATISTICS AND CLIMATE EXTREMES § 28 SUBSECTION 3 HMBHG

Institution: Faculty of Mathematics, Informatics and Natural Sciences, Department of Earth System Sciences, Center for Earth System Research and Sustainability (CEN), Research Unit Sustainability and Climate Risks

Salary level: EGR. 13 TV-L

Start date: 01.02.2022 or as soon as possible, permanent

Application deadline: 2021-11-30

Scope of work: full-time position suitable for part-time

Responsibilities:

Duties primarily include teaching and research. Research associates may also pursue independent research and further academic qualifications.

Specific Duties:

The research associate/scientific programmer will be leading activities related to model development and applications as well as data analysis in the Research Unit Sustainability and Climate Risks in the group of Prof. Jana Sillmann (Climate Statistics and Climate Extremes). This includes setting up and running model simulations with a high-resolution Earth system model (such as ICON) and/or impact model, post-processing of model output; maintain and develop software for the calculation and analysis of climate extremes and complex networks; data visualization; supporting students, and scientific staff in performing simulations; writing scientific publications and/or supporting publications of the research group by planning, conducting and analyzing model experiments.

The research associate/scientific programmer will become a member of an interdisciplinary team of researchers, postdocs, and PhD students and will have ample opportunity for designing own project ideas and for national and international networking. The team is strongly involved in the Cluster of Excellence for Climate, Climatic Change and Society (CLICCS) at the CEN, large EU projects as well as international networks, such as the Knowledge Action Network on Emergent Risks and Extreme Events (www.risk-kan.org). Opportunities for collaboration exist also locally, for instance, with research institutions within CEN and the German Supercomputing Centre (DKRZ). Specific duties include:

- model setup, model support, and model development
- data acquisition, processing/preparation, and management
- scientific data analysis and visualization (including setup and further development of analysis tools)
- system administration and IT service (technical and scientific) for the research group
- teaching (9 hours per week), including preparation of lectures and exercises for the statistical modeling of extreme events as well as methods and applications of "machine learning" and artificial intelligence

Requirements:

A university degree in a relevant field, such as Physics, Computer Sciences, Earth System Sciences, Statistics, etc. Solid experience with Shell-scripting, UNIX/Linux environment, supercomputing, GitHub, advanced statistical and data analysis frameworks (Python, R) as well as processing and visualization of diverse and large datasets is required. Experience with the analysis of extreme values and/or relevant software tools and proven ability to set up and further develop models and analysis tools as well as experience with system administration and IT service is desired. Experience in teaching of programming methods and statistical analyses as well as very good skills in written and oral communication in German/English and interest in working independently, interdisciplinary, and creatively are of advantage.

We offer



Reliable remuneration based on wage agreements



Continuing education opportunities



University pensions



Attractive location



Flexible working hours



Work-life balance opportunities



Reduced rates available for a HVV-Proficard (transit pass) and much more



Health management



Educational leave



30 days of vacation per annum

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 Free and Hanseatic City of Hamburg promotes equal opportunity. As women are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage women to apply for this position. Equally qualified and suitable female applicants will receive preference.

Severely disabled and disabled applicants with the same status will receive preference over equally qualified non-disabled applicants.

Tips on applying

Contact

Prof. Dr. Jana Sillmann
jana.sillmann@uni-hamburg.de
+49 176 50261216

Location

Grindelberg 5
20144 Hamburg
[Zu Google Maps](#)

Reference number

378

Application deadline

2021-11-30

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by email to: clics-applications.cen@uni-hamburg.de

More information on [data protection](#) in selection procedure.



Die Universität Hamburg ist zertifiziert. audit
familiengerechte hochschule

