



The Faculty of Mathematics, Informatics and Natural Sciences, Language Technology Group, Department of Informatics invites applications for a

## RESEARCH ASSOCIATE FOR THE PROJECT “CLICCS - CLIMATE, CLIMATIC CHANGE, AND SOCIETY” RESEARCH SOFTWARE ENGINEER: TOOLING - 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 August 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 3 years. The position calls for 50 % 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.

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

## SPECIFIC DUTIES:

The project has a focus on constructing possible and plausible climate futures on the basis of written material (news articles, social media posts, blogs) using methods from the Social Sciences. This particular position is concerned with supporting social scientists by developing tools facilitating the analysis of textual material and the automated processing of large amounts of text for quantitative analysis.

The research assistant will develop software for coding and annotating text documents to support qualitative and quantitative content analysis in the social sciences. He/she will implement machine-learning methods for scaling manually collected codes and annotations automatically to texts collected from various sources. Research questions reside both in the tailoring of tools to specific needs in the social sciences as well as in applied language technology and machine learning for natural language processing. He/she will present the results in international conferences and publications.

## REQUIREMENTS:

A university degree in a relevant field. We expect an academic degree in computer science or related fields and the following skills:

- Experience in software engineering of client-server web-based architectures
- Proficiency in the Java Programming Language; knowledge of Apache UIMA and Apache Wicket a plus
- Experience in applied machine learning, especially for text
- Basic knowledge in language technology / natural language processing
- Ability to conduct independent work
- Strong oral and written communication skills, including profound knowledge in English

Knowledge of German is not a requirement.

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. Chris Biemann ([biemann@informatik.uni-hamburg.de](mailto:biemann@informatik.uni-hamburg.de)) or consult our website at [clicca.uni-hamburg.de](http://clicca.uni-hamburg.de) and [it.informatik.uni-hamburg.de](http://it.informatik.uni-hamburg.de). Interviews will be scheduled in the first 2 weeks of July.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by June 30, 2019 to: [biemann@informatik.uni-hamburg.de](mailto:biemann@informatik.uni-hamburg.de), bundled in a single PDF file.

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.