



Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

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.

Pending approval of external funding the Faculty of Mathematics, Informatics and Natural Sciences, Department of Informatics, Language Technology group invites applications for a

**RESEARCH ASSOCIATE FOR THE PROJECT “DIGITALE
WISSENSOZIOLOGISCHE DISKURSANALYSE:
MULTIMODALE BEDEUTUNGSANALYSEN IN GROUNDED
THEORY GELEITETEN FORSCHUNGSPROZESSEN (D-WISE)”
FUNDED BY BMBF, POSTDOC POSITION
- 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 February 1, 2021 or later pending external funding.

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, commensurate with the project duration. The position calls for 39 hours per week. This position is also suitable for part time employment.

RESPONSIBILITIES:

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

SPECIFIC DUTIES:

The D-WISE project will use and further develop information retrieval and natural language processing techniques to support interactive discourse analysis in collaboration with anthropologists at Universität Hamburg. The project will be conducted by three researchers: one in Anthropology and two in Informatics.

This PostDoc position encompasses the following duties: Foundational research and technical supervision in the area of natural language processing in the context of supporting Humanities researchers with advanced search and annotation technologies; deployment of the methods

within the project context; technical supervision of other project members; dissemination of results at academic conferences and industrial workshops; possibility to shape the project towards own research interests if compatible.

REQUIREMENTS:

A university degree in a relevant subject plus doctorate. A doctorate degree in Computer Science or related (e.g. Digital Humanities, Computational Social Science) with a specialization in Computational Linguistics and Natural Language Processing.

Candidates should show demonstrated experience with one or more of the following:

- Interdisciplinary projects between Computer Science and the Humanities or Social Sciences
- Natural Language Technology and Machine Learning frameworks, e.g. Pytorch or Tensorflow , BERT
- Experience with Information Retrieval Technology (Indexing of document collections)
- Programming skills: Python and one object-oriented language (e.g. Java, C++)
- Demonstrated ability to contribute to scientific publications
- Excellent communication skills in English and German
- A plus: hands-on experience with advanced search technologies; hands-on experience in web-based interface development; experience with image data

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.

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

For further information, please contact Prof. Chris Biemann or consult our website at <https://www.inf.uni-hamburg.de/en/inst/ab/lt/home>.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by November 30, 2020 to: biemann@informatik.uni-hamburg.de 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.