



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.

The Department of Informatics, Institute of Knowledge Technology invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT “IDEOMOTOR TRANSFER LEARNING AND CONVERSATIONAL ACTION REPAIR FOR INTELLIGENT ROBOTS”

- 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 April 2020 or as soon as possible.

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 until 31st of December 2022. The position calls for 100 % of standard work 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:

Duties in the project include research, design, development and evaluation of neurocomputational deep reinforcement learning methods for intelligent robots. This includes research into Ideomotor Transfer for Active Self-emergence and Learning Conversational Action Repair for Intelligent Robots.

REQUIREMENTS:

A university degree in a relevant field. Academic degree of MSc in computer science, computer engineering or similar qualifying the post holder to carry out the above-mentioned duties. Programming skills in Python, ROS, Tensorflow or PyTorch are required. Experience with robotic simulators or dialog systems are an advantage. Your demonstrated research interests should be in some of the areas of Intelligent Systems (Neural Networks, Robotics, Machine Learning,

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

Natural Language Processing, Vision). Publication experience is desired. Very good communication skills in English are expected.

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 Dr. Manfred Eppe or Prof. Dr. Stefan Wermter or consult our website at <https://www.informatik.uni-hamburg.de/wtm/>.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 6th of April 2020 to: Manfred Eppe (eppe@informatik.uni-hamburg.de) in a single pdf document.

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.