Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research assistant - salary grade E13 TV-L Berliner Hochschulen
part-time employment may be possible

The interdisciplinary project aims to model the role of the self through interaction with a spatial/dynamic environment. The project combines research approaches from cognitive science, computer science and modelling and is carried out in cooperation with Prof. Stefan Kopp (University of Bielefeld), (SPP 2134 "The Active Self").
A cognitive architecture will be extended with sensorimotor abilities based on a simulated body. This approach aims to model how a representation of the "self" is created through the interaction of sensomotoric and cognitive control processes and how it affects action decisions. We offer a young, interdisciplinary research group bridging basics and application as well as cognitive sciences and computer science.

Faculty V - Institute for Psychology and Ergonomics / Cognitive Modeling in dynamic Human-Machine Systems
Reference number: V-728/18 (starting at 01/01/19 / limited until 31/12/2021 / closing date for applications 28/12/18)

Working field:
- Extending the cognitive architecture ACT-R with sensorimotor skills
- Developing task models interacting with their environments
- Integration of prediction-based processing
- Coordination with project partner at CITEC University Bielefeld
- Preparation, execution and evaluation of experiments
- Consolidation of model approaches and comparison with performance data

Requirements: We are looking for an interdisciplinarily interested and open-minded person with a university degree (Diplom/ M.Sc. or equivalent) in Cognitive Science, Computer Science, Human Factors, Psychology or similar. The candidate ideally has the following skills and knowledge:
Previous experience with interdisciplinary projects is required. Experience in the field of cognitive modeling or simulation (e.g. ACT-R), basic knowledge of cognitive science and fundamental programming experience (e.g. Python, Lisp, etc.) is required. The ideal candidate should exhibit solution-oriented thinking, good communication skills, team skills and a good self-organization.

Ideally, the person sought should have experience in carrying out and evaluating experiments. In addition, an interest in autonomously acting agents would be of advantage and prior knowledge in the field of self-understanding or embodiment. Good english skills are desired.

Please send your **written** application with the **reference number** and the usual documents to Technische Universität Berlin - Der Präsident - **Fakultät V, Institut für Psychologie und Arbeitswissenschaft, FG Kognitive Modellierung in dynamischen Mensch-Maschine-Systemen, Frau Prof. Dr. Rußwinkel, Sekr. MAR 3-2, Marchstraße 23, 10587 Berlin** or by e-mail to **nele.russwinkel@tu-berlin.de**.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired.
Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities.

Please send copies only. Original documents will not be returned.

The vacancy is also available on the internet at
http://www.personalabteilung.tu-berlin.de/menue/jobs/

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