

Bielefeld University stands for interdisciplinarity, high quality in research and teaching as well as for the further development of a gender-equitable university culture. A wide variety of subjects, perspectives and people work together to promote innovative and interdisciplinary research and teaching at the highest level. A broad range of study opportunities in the humanities, natural sciences, social sciences, technical sciences and medicine is open to the approximately 25,000 students. In addition to its international orientation, Bielefeld University is well connected to the medium-sized city and the region.

The **Faculty of Technology** at Bielefeld University has a vacancy for a

Professorship (W3) for Social Cognitive Interaction Technology for Embodied Systems

to be filled at the earliest opportunity.

Applicants have a completed university degree in computer science and a qualified and relevant Ph.D. in computer science. They have a strong research profile in the following areas:

- Multimodal communication (especially with speech and gestures) for embodied conversational agents (ECA, social robots)
- Development and application of cognitive models of social interaction and communication
- Interdisciplinary research in the field of human-human and human-machine interaction
- Application of interaction technology in assistance systems for different user groups

Applicants have an outstanding track record in the research field of technical cognition systems with a special focus on multimodal social interaction. You have extensive experience in the development of technical cognition systems that combine gesture with conversational language for multimodal social interaction, as well as extensive expertise in modelling embodied agents with complex cognitive interaction capabilities.

We also expect a strong track record in the acquisition and implementation of third-party funded projects (e.g. EU, DFG, BMBF). Experience (also in a leading position) in collaborative research (SFB, EXC) will create an advantage.

As a professor, you represent the topic of "Social Interaction Technology" in research and teaching. You also cooperate with the other research groups of the Faculty of Technology, in particular with research groups in the area of Intelligent Systems and at the Center for Cognitive Interaction Technology (CITEC).

Using the rich opportunities for interdisciplinary research cooperation available within

Bielefeld University, your projects will contribute to strengthening existing interdisciplinary cooperation within the University, such as between informatics and linguistics, or informatics and psychology.

The Faculty of Technology is currently participating in various interdisciplinary collaborative projects such as the Collaborative Research Centre / Transregio 318 *Constructing Explainability* with the University of Paderborn. Participation in these collaborative projects as well as in application initiatives within the German Excellence Strategy is expected from the position holder.

Participation in the Faculty's Bachelor's and Master's programmes, in particular the Bachelor's programme in Cognitive Informatics and the Master's programme in Intelligent Systems, is also expected. In particular, participation in foundational courses on cognitive technical systems, multimodal interaction and Bayesian methods and reasoning under uncertainty is expected. Active participation in the self-administration of the Faculty of Technology is expected.

An internal application is expected.

Applications from suitable severely disabled persons and persons with equivalent disabilities are expressly encouraged.

Bielefeld University has received several awards for its success in promoting equal opportunities and has been certified as a family-friendly university. The University pursues a committed equal opportunities policy with regard to the appointment of professorships and expressly invites suitably qualified female candidates to apply. It handles applications in accordance with the State Equal Opportunities Act. Family leave periods are appropriately considered in the selection decision.

The faculties consider the equality of women and men to be an important goal, which the future holder of the position will help to achieve.

Bielefeld University supports dual-career constellations in designing a common focus of work and life.

Applications should consist of: a cover letter, a curriculum vitae, a list of publications and identification of the 10 most important publications, a 2-page research and teaching concept, a list of courses taught and other teaching qualifications (e.g. current evaluations, if available, a list of research activities and third-party funds raised to date, copies of academic certificates.

Please submit your application in German or English by **April 30, 2023** online via the appointment portal of Bielefeld University:

<https://berufungen.uni-bielefeld.de>

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