

Bielefeld University stands for interdisciplinarity, high quality research and teaching, and the further development of a gender-equitable university culture. People from a wide variety of subjects and perspectives 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** is calling for applications for the position of

Professorship (W1 TT to W2 or W2) for Knowledge Representation and Machine Learning

to commence at the earliest opportunity.

You internationally recognized with excellent qualifications at the interface between machine learning and knowledge representation.

The W1 with tenure track to W2 option is aimed at young scientists with a PhD. The W2 variant is aimed at established scientists.

As professor you will represent the topic of "Knowledge Representation and Machine Learning" in research and teaching and complement the research focus of the Faculty of Technology with regard to existing research groups in the area of Intelligent Systems and Bioinformatics.

You will actively use the many opportunities for interdisciplinary research cooperation available within Bielefeld University. The faculty is currently participating in various interdisciplinary collaborative projects such as the Collaborative Research Centre TRR 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 bachelor and master programs of the faculty, especially in the bachelor programs Cognitive Informatics and Bioinformatics as well as in the Master of Data Science and Master of Intelligent Systems, is also expected.

Possible thematic research areas of the professorship include the following:

- Combination of symbolic and non-symbolic learning methods.
- Machine learning with background knowledge
- Embeddings of knowledge graphs
- Statistical relational learning
- Machine learning with graph data
- Methods for the explanation of learned models by incorporation of background knowledge

The requirements for employment follow § 36 HG.

Applications from suitable severely disabled persons and persons with disabilities of equal status are expressly encouraged.

Bielefeld University has received several awards for its success in equal opportunities and is certified as a family-friendly university. Among other things, the University pursues a committed equal opportunities policy concerning the appointment of professorships and would expressly like to invite qualified female applicants to apply. Applications are treated in accordance with the State Equality Act. Family times are considered in the context of the selection decision.

The Faculty considers equality between women and men to be an important task, and the future jobholder will be involved in its implementation.

Bielefeld University promotes dual-career couples and supports them with a range of services to help them create a common place of work and life.

The following documents must be submitted for the application:

- Cover letter
- Curriculum Vitae
- List of publications and identification of the two most important publications
- Two-page research and teaching concept
- 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 (if any)
- Copies of academic certificates

Please submit your application in German or English by **April 6, 2022** via the online appointment portal of the Bielefeld University: <https://berufungen.uni-bielefeld.de>

Contact:

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