



The Department of Computer Science at TU Dortmund University is offering the following position (starting at the earliest possible date):

## Professorship (Open Rank: W3 or W2) AI in Higher Education

The professorship is part of the Lamarr Institute for Machine Learning and Artificial Intelligence.

### Our profile

With its 17 departments in the natural and engineering sciences as well as the humanities and social sciences, TU Dortmund University is a dynamic institution with a strong profile in research, teaching, the promotion of early-career researchers, and knowledge transfer.

The Department of Computer Science at TU Dortmund University is among the largest and most research-intensive in Germany. Its unique feature is the combination of basic research and formal methods with the development of practical applications. Key research areas include algorithms, data science, cyber-physical systems, and software and service engineering.

As a leading international center of excellence for Machine Learning, the Lamarr Institute drives value-based research and development of powerful, trustworthy, and resource-efficient artificial intelligence technologies. In doing so, it establishes internationally competitive research that sustainably strengthens Germany and Europe as excellent locations for science, teaching, and technology transfer in AI. Guided by the central research paradigm of "Triangular AI" (AI<sup>3</sup>), Lamarr researchers are laying the foundation for the next generation of artificial intelligence, which utilizes data, knowledge, and the context of intelligent systems on an equal footing.

### Profile of the professorship

In its research, the professorship represents the field of artificial intelligence within higher education, with a focus on AI-supported teaching and learning approaches for use in STEM subjects, incorporating large language models, and advances this field at the international cutting edge. A particular focus is on the development and empirical investigation of adaptive AI-supported learning environments for students. Possible research directions include (selection, not exhaustive):

- Models and methods for the individual real-time analysis of learning processes and progress
- AI-supported and data-driven tools for the adaptive adjustment and support of students
- Individualized analysis of student interaction with AI tools
- Real-time feedback mechanisms that promote learning and motivation
- Issues of fairness, transparency, and effectiveness of AI in educational contexts
- Investigation of AI-supported learning processes in digital and immersive learning environments

In the research, ethical issues in the use of AI are taken into account, also in regard to bias. The professorship ensures the transferability of its methods to other disciplines beyond the STEM field. Furthermore, it participates in research networks and collaborations at TU Dortmund University (e.g., didactics in STEM disciplines, educational sciences, rehabilitation sciences, or university didactics) and beyond (e.g., the Center for Advanced Internet Studies or the University Alliance Ruhr). The professorship is committed to supporting early-career researchers and contributes appropriately to teaching at the Department of Computer Science.

### Your qualifications

You have earned a doctoral degree with above-average distinction, have completed your post-doctoral lecture qualification (Habilitation), or have achieved equivalent qualifications. You demonstrate research excellence in the professorship's research area through a consistent record of high-quality, relevant international publications in recognized peer-reviewed journals, particularly in recent years. You are also integrated into international research networks and have experience in securing third-party funding. For the W3 university professorship, a high level of international visibility of research, particularly in the last five years, is also expected. Likewise, applicants for the W3 university professorship must already demonstrate success in independently securing competitive third-party funding, including collaborative joint projects. All applicants possess the potential for outstanding teaching performance and, ideally, relevant experience in university teaching. Experience in the development and testing of innovative teaching and learning methods is also desirable. Social and leadership skills, along with a willingness to participate in academic self-governance, complete your profile. Moreover, the recruitment requirements in Sections 36 and 37 of the North Rhine-Westphalia Higher Education Act (*Gesetz über die Hochschulen des Landes Nordrhein-Westfalen*, HG NRW) apply.

### Attractive research environment

We offer you an outstanding academic environment and an attractive AI ecosystem with opportunities for international, national, and regional collaboration. A global network of research partnerships, as well as the network of German AI centers, enables you to engage in academic exchange with leading AI experts. As part of the Lamarr Institute, you can thus not only access the immediate resources of TU Dortmund University but also collaborate closely with the scientific, economic, and societal partners of this leading AI research institute. You will benefit from the Lamarr Institute's unique research and organizational profile, which is characterized by the combination of basic and applied AI research. The Ruhr metropolitan region, with the University Alliance Ruhr, the Lamarr Fellowship Program, and the competence platform KI.NRW, also ensures easy access to a wide range of partners from academia and industry in the region. With our Dual Career Service, we support your partner in finding professional opportunities in the region, if desired. We are happy to provide information about living in Dortmund and help you find childcare options. If you are coming to us from abroad, our Welcome Service will support you upon your arrival in Germany.

### Diversity welcome

A central goal of TU Dortmund University is to promote diversity and equal opportunities. These values also form the foundation for collegial cooperation and the implementation of research projects at the Lamarr Institute, whose naming after the inventor Hedy Lamarr highlights this commitment. We have set ourselves the strategic goal of significantly increasing the proportion of women in research and teaching and therefore welcome applications from female researchers. We give preference to severely disabled applicants if their qualifications meet the requirements. We support the compatibility of family and career and promote gender equality in academia and research.

### Your application

If you are interested in the position, please submit your application by **18 June 2026** via our application portal.

Details on the application process and the preparation of application documents can be found at:  
[berufung.tu-dortmund.de/en/application/](http://berufung.tu-dortmund.de/en/application/)

Questions can be directed to the Dean of the Department of Computer Science, Professor Dr. Jens Teubner, Tel +49 231/755 - 6481 or [dekan.cs@tu-dortmund.de](mailto:dekan.cs@tu-dortmund.de).

Further information about the Lamarr Institute and the Department of Computer Science can be found at [lamarr-institute.org](http://lamarr-institute.org) and [cs.tu-dortmund.de/en](http://cs.tu-dortmund.de/en)

[Apply now >>](#)