

Technische Universität Braunschweig - Institute of Business Information Systems, Department of Data-Driven Enterprise,



With more than 15,000 students and 3,800 employees, the Technische Universität Braunschweig is one of Germany's leading institutes of technology. It stands for strategic and performance-oriented thinking and acting, relevant research, committed teaching, and the successful transfer of knowledge and technologies to the economy and society. We consistently advocate for family friendliness and equal opportunities. Our research focuses are mobility, engineering for health, metrology, and city of the future. Strong engineering and natural sciences are our core disciplines. These are closely interconnected with economics, social and educational sciences and humanities. Our campus is located in the midst of one of the most research-intensive regions in Europe. We work successfully together with over 20 research institutions in our neighborhood as we do with our international partner universities. Starting from the earliest possible date, the Institute of Business Information Systems, Department of Data-Driven Enterprise is looking for a

Doctoral Candidate (m/f/d) in the field of AI in Data Management

(EG 13 TV-L, full-time) The position is to be filled on a fixed-term basis for an initial period of 2 years. The successful applicant will be given the opportunity to pursue a doctorate.

The Institute of Business Information Systems, Department of Data-Driven Enterprise, conducts research at the intersection of artificial intelligence, industrial data management, and the design of inter-organizational data ecosystems. A diverse range of research questions emerges from this dynamic field—for example, concerning digital sustainability, the transformation of digital work through AI, or the development of sovereign digital infrastructures for secure data exchange. The professorship primarily focuses on applied research questions in industrial contexts. In this regard, industrial companies serve not only as subjects of research but also as essential collaborative partners in the development of data-driven innovations. The insights gained from these projects are continuously published in international academic literature, thereby making a direct contribution to the digital transformation of business and society.

City: Braunschweig; Starting date (earliest): At the earliest possible; Duration: 2 Jahre; Remuneration: EG 13 TV-L; Closing date: 31/07/26

Tasks

- You will conduct research on the application of Artificial Intelligence in industrial data management, with a special focus on Generative AI, Agentic AI, and Data & AI Governance
- You will actively participate in the Competence Center Corporate Data Quality (CC CDQ)—a leading European research consortium. In this role, you will analyze challenges faced by multinational companies and develop innovative concepts, methods, and tools
- You will present and evaluate your research findings at quarterly project workshops together with industry partners from the CC CDQ community, ensuring a direct practical impact in the industry
- You will publish your insights in top-tier academic journals, present them at

renowned national and international conferences, and support the acquisition of third-party funded projects

- You will actively support teaching activities (preparation and execution of courses) and supervise student projects as well as final theses.

Requirements

- You hold a university degree (Master's or equivalent) in Information Systems, Data Science, Industrial Engineering, Management, or a related field
- You bring enthusiasm and ideally initial practical experience (e.g., through relevant internships, professional experience, or a final thesis) in the areas of data management and Artificial Intelligence—particularly regarding Generative AI, Agentic AI, as well as Data & AI Governance
- You possess an excellent command of written and spoken English
- You are aiming for a doctorate.

What we offer

- Work on exciting future-oriented research topics in an inspiring work environment as part of the university community
- The unique opportunity to research cutting-edge topics such as Generative AI and Data Governance not just theoretically, but to evaluate them in direct collaboration with industry partners and achieve genuine real-world impact
- A vibrant campus life in an international atmosphere with lots of intercultural offers and international cooperations
- Pay in accordance with the collective agreement TV-L (a special payment at the end of the year as well as a supplementary benefit in the form of a company pension, comparable to a company pension in the private sector) including 30 days' vacation per year
- Flexible working and part-time options and a family-friendly university culture, awarded the "Family-friendly university" audit since 2007
- Special continuing education programs for young scientists, a postdoc program, as well as other offerings from the Central Personnel Development Department and sports activities.

Application

We welcome applicants of all nationalities. At the same time, we encourage people with severe disabilities to apply. Applications from severely disabled persons will be given preference if they are equally qualified. Please attach a proof of disability to your application. We are also working on the fulfilment of the Central Equality Plan based on the Lower Saxony Equal Rights Act (Niedersächsisches Gleichberechtigungsgesetz—NGG) and strive to reduce under-representation in all areas and positions as defined by the NGG. Therefore, applications from women are particularly welcome in this case.

The personal data will be stored for the purpose of processing the application. By submitting your application, you agree that your data may be stored and processed electronically for application purposes in compliance with the provisions of data protection law. Further information on data protection can be found in our data protection regulations at <https://www.tu-braunschweig.de/datenschutzerklaerung-bewerbungen>.

Application costs cannot be reimbursed.

Questions and Answers

For more information, please call Prof. Frederik Möller on +49 (0) 531 391-3211.

Deadline for applications is 31.07.2026

Are you interested? Please send your application preferably via email to Frederik.Moeller(at)tu-braunschweig.de

or via mail to

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Juniorprofessur für Wirtschaftsinformatik,
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More information at <https://stellenticket.de/205598/TUD/>
Offer visible until 31/07/26

