TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

The Center for Information Services and High Performance Computing (ZIH) is a central scientific institution of the TUD. One of its main research areas is digital data. ZIH conducts research as a partner in several consortia of the National Research Data Infrastructure (NFDI) initiative on the topic data management, and in the national competence center ScaDS.AI Dresden/Leipzig (Center for Scalable Data Analytics and Artificial Intelligence) on the topic of Big Data and Artificial Intelligence (AI).

The ZIH offers a project position as

**Research Associate for software tools in data trust centers (m/f/x)**

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting as soon as possible. The position is limited until December 31, 2025. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

Data has become a fundamental basis for modern scientific and industrial research. Data trust centers, such as the emerging DDtrust at TUD, are intended to regulate the exchange of sensitive data, such as personally identifiable medical data or protected data from industry and commerce, among researchers or with the industry. In the project 'MAST - Modular Automated System for Data Trusts', methods and software tools will be developed to support the processes of data exchange at data trust centers, ensuring, for example, the non-identifiability of the data.

**Tasks:**

- scientific research in the field of 'IT Solutions for Data Trust Centers'
- requirement analysis, design, and development of a modular architecture and integrated modules for processes in data trust centers
- evaluation of the developments based on the use cases of project partners
- publication of results and presentation at scientific conferences.

**Requirements:**

- university degree in computer science, business informatics, or a comparable engineering or natural science field
- experience in programming (with Python) and software development
- knowledge of requirement analysis, process management, as well as IT security and data protection
very good English language skills and good German language skills, as well as a high degree of independence, commitment, and teamwork.

Working at ZIH offers you opportunities for creative collaboration with international experts on cutting-edge topics like data management and data science. You'll have access to a state-of-the-art data science-optimized data center infrastructure, opportunities for further qualification, flexible working hours, a family-friendly working environment, and the chance to live in a city rich in science and culture, surrounded by a unique landscape.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents, indicating the reference code “MAST”, by November 27, 2023 (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to zih@tu-dresden.de or to: TU Dresden, ZIH, Prof. Dr. Wolfgang E. Nagel, Helmholtzstraße 10, 01069 Dresden, Germany. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis.