The TU Dresden understands diversity as a cultural standard and as a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to contribute to the success of all of us with their performance and personality.

Within the framework of the externally funded project "KEEN - Artificial Intelligence Incubator Laboratories in the Process Industry", which focuses on research and development for big data and data management, the Centre for Information Services and High Performance Computing is offering a project position as

**Research Associate**

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

subject to resources being available, starting at the earliest possible date, limited until 31.03.2023. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). Balancing family and career is an important issue. The position is basically suitable for part-time employment.

**Tasks:** A large part of the effort for the implementation of methods of artificial intelligence (AI) is always in the appropriate recording, processing and provision of data. The coordination and standardisation of architectures and metadata can therefore bring great synergy effects for the entire process industry and significantly facilitate the transferability of AI solutions to other plants. Our goal is therefore to provide these necessary foundations for application-specific subprojects. This includes the development and operation of an open database as well as the coordination and standardization with regard to the quality characteristics of the data and their contextual relationships. Based on this, suitable system architectures for the integration of this database in individual projects will be developed in cooperation with external partners from research and industry. The close cooperation with employees of the national competence center for artificial intelligence ScaDS.AI Dresden/Leipzig forms an important basis for this.

**Requirements:** university degree (M. Sc. or equivalent) in computer science, mathematics or a comparable engineering or natural science; a high degree of independence, commitment, flexibility and team spirit as well as a very good command of English. Knowledge in the field of data analytics or scientific computing, experience with HPC systems and/or distributed computing (grid computing, cloud computing) as well as experience with visualisation tools and methods of data mining are desired.

Applications from women are particularly welcome. The same applies to people with disabilities. Please send your application with the usual documents by 26.05.2020 (stamped arrival date of the university central mail services applies) to TU Dresden, Zentrum für Informationsdienste und Hochleistungsrechnen, Herrn Prof. Dr. Wolfgang E. Nagel, Helmholtzstraße 10, 01069 Dresden or via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single PDF file to: zih@tu-dresden.de. 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