

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in Germany. It 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. At TUD ScaDS.AI (Center for Scalable Data Analytics and Artificial Intelligence) is part of the newly established CIDS (Center for Interdisciplinary Digital Sciences). It is one of the permanently established national centers for artificial intelligence, financed by the federal government and the Free State of Saxony and located at TUD and the University of Leipzig. 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. At the TUD part of the center, we will establish up to two new

Junior Research Group Leaders (m/f/x)

(subject to personal qualification employees are remunerated salary group up to E 15 TV-L)

working on AI methods. Applications are invited for a junior research group that shall start in 2024 with a duration of 12 to 36 months. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). An extension after a positive evaluation for up to 36 months is possible. A junior research group consists of a junior research group leader and research assistants. Depending on the duration of the group and the quality of the research proposal, up to two additional positions for research assistants will be funded by ScaDS.AI. Research assistants (PhD or postdoc level) are paid at the TV-L level 13.

In the medium term, ScaDS.AI Dresden will bring together more than 200 staff members at TUD closely collaborating with other departments advancing research in the field of digitization. Its members are active in various research areas working on the fundamentals and applications of data science and artificial intelligence. In addition, service-oriented solutions are developed and there is close cooperation with a large number of partner organizations from science and industry. The center offers an excellent working environment with access to state-of-the-art technologies and an outstanding high-performance computing infrastructure. To promote research excellence in the field of AI and data science, ScaDS.AI supports early career research group leaders in this field that complement and extend our current research areas.

Tasks:

The junior research group leader (principal investigator) is responsible for the establishment and management of the junior research group with the following tasks:

- Methodological basic research which strengthens and complements the research focus of ScaDS.AI in the field of artificial intelligence (e.g. in machine learning, computer vision, language models, robotics and explainability).
- Independent and internationally visible research on Data Science and AI methods with publication of research results at TOP conferences and in journals of the AI and Data Science communities, respectively
- Scientific support for the development of international excellence
- Exchange of competencies and research results with national AI centers and interdisciplinary cooperation with non-university research partners.

Requirements: university degree and an additional PhD degree. Outstanding post-doctoral researchers with a proven research track record in data science and AI including current junior professors or group leaders. ScaDS.AI Dresden/Leipzig is characterized by the interdisciplinary collaboration of international scientists. We therefore particularly invite applicants with an international background to apply and become a part of our team.

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.

Your application should contain:

- Cover Letter
- Scientific proposal of about 5 pages for the time period planned at ScaDS.AI
- Detailed CV, including list of publications, work in progress, research service, mentoring experience and teaching experience
- CVs of research assistants (if applicable)
- 2 to 3 letters of reference.

ScaDS.AI implements a selection committee that consists of a number of PIs from the two locations of ScaDS.AI (Dresden/Leipzig). This involves the research area leads and additionally one PI from each research area. Additionally, an equal opportunities officer will be part of the committee. Based on the application suitable applicants will then be invited for an interview.

Please submit your detailed application with the documents, indicating the **reference code "JRG ScaDS.AI", by May 31, 2024** (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>.