As part of the German government's artificial intelligence (AI) strategy, the successful Saxon competence center ScaDS.AI Dresden/Leipzig (Center for Scalable Data Analytics and Artificial Intelligence) is being expanded into a leading German AI competence center for Big Data and artificial intelligence (AI).

At the Center for Interdisciplinary Digital Sciences, the Department ScaDS.AI is offering for this purpose the position ScaDS-22.4 starting as soon as possible as a

Research Associate (m/f/x)  
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

limited for 3 years with the option for extension. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification. Balancing family and career is an important issue. The position is generally suitable for candidates seeking part-time employment. Please indicate your request in your application.

Professional assignment: Chair of Big Data Analytics in Transportation (Prof. Dr. rer. pol. Pascal Kerschke)

Research area: AI and ML Algorithms / Methods (Federated and Efficient Learning)

Tasks: Examination of problems from the domains of machine learning and black-box optimization. Development of feature-based algorithms, integration into established benchmarking tools, and empirical analysis of their suitability and effectiveness; presentation and publication of research results in English.

Requirements: very good university degree in computer science, data science, machine learning, computational statistics or a related field; prior knowledge in the fundamentals and application of machine learning and/or a domain of optimization (e.g., continuous optimization, evolutionary computation); curiosity and strong interest in fundamental research; very good programming skills in R or python; very good command of written and spoken English.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application including the usual documents, quoting the job number ScaDS-22.4 by August 29, 2022 (stamped arrival date of the university central mail service applies), preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to scads.ai@tu-dresden.de or to: TU Dresden, CIDS, Herrn Prof. Dr. Wolfgang E. Nagel, Helmholtzstr. 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.