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-22.2 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 Computational Landscape Ecology (Prof. Dr. rer. nat. Anna Cord)

Research area: Biodiversity and ecosystem monitoring

Tasks: research on automated species identification and trait recognition from images, video and audio recordings; design, implementation and analysis of machine learning algorithms using available field data on biodiversity and ecosystem functioning (e.g. bird, bat and insect sounds, plant traits and vegetation phenology, microclimate); development of methods for analyzing biotic interactions and ecological networks; active participation and collaboration in the ScaDS.AI consortium; presentation of research results at workshops and international conferences; publication of research results in peer-reviewed English-language journals.

Requirements: very good university degree in data/computer science, machine learning, mathematics or a comparable engineering or natural science (combined with a strong interest in environmental/ecological applications) or in quantitative ecology (with a strong interest in computational and machine learning techniques); curiosity and strong interest in working in an interdisciplinary and international team; self-reliant, flexible and result-oriented work ethic; very good command of written and spoken English; prior knowledge in spatial data analysis and modeling is an advantage.

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-22.2 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.