Technische Universität Dresden - Faculty of Environmental Sciences, Department of Geosciences, Chair of Geoinformatics

TECHNISCHE UNIVERSITÄT DRESDEN 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.

Research Associate (m/f/x)

At the Faculty of Environmental Sciences, Department of Geosciences, the Chair of Geoinformatics offers a position as Research Associate (m/f/x) (subject to personal qualification employees are remunerated according to salary group E 13 TV-L) starting at the earliest possible date. The position is initially limited to 12 months with the option of extension subject to the availability of resources and entails 100% of the full-time weekly hours. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

City: Dresden; Starting date (earliest): At the earliest possible; Duration: initially limited to 12 months with the option of extension subject to the availability of resources; Remuneration: subject to personal qualification employees are remunerated according to salary group E 13 TV-L; Closing date: 04/04/25

Working field

• conduct research in the EU-funded project "EOSC Data Commons"
• build (geo-)knowledge graphs for datasets relevant to Earth System Sciences research
• design and run user experiments to evaluate approaches for (conversational) question answering on geographic knowledge graphs

Requirements

• interest in research challenges in the area of (conversational) question answering on geographic knowledge graphs
• university degree (master of Science or Diploma) in Informatics, Geoinformatics or a related field is required
• programming experience with Web Technologies (HTML5, CSS, JavaScript) and/or Python are expected

- familiarity with Semantic Web Standards (RDF, SPARQL) is an advantage
- first experience with Retrieval Augmented Generation using open-source and/or proprietary large language models is advantageous
- good command of written and spoken English are expected. Good command of German language is advantageous
- a reliable, proactive and structured way of working is desirable

Application

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. 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 application with a motivation letter, a short research proposal (up to two pages) and a CV by April 4, 2025 (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 auriol.degbelo@tu-dresden.de or to: TU Dresden, Fakultät Umweltwissenschaften, Fachrichtung Geowissenschaften, Professur für Geoinformatik, Herrn Dr. Auriol Degbelo, 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.

More information at https://stellenticket.de/192883/LUH/
Offer visible until 04/04/25