

The TU Bergakademie Freiberg, Faculty of Geosciences, Geotechnics and Mining, Institute of Geophysics and Geoinformatics, Working Group Geomathematics and Geoinformatics is seeking to fill a position at the earliest possible date as a

Research Assistant (m/f/d)
Tender reference number 202-E/2024

as part of the third-party funded project *“Reconstruction Methods in Micromagnetic Tomography”*.

Remuneration: Pay group 13 TV-L
Job scope: 0.75 FTE (30 hours/week)
Fixed term: 36 months



We are a strongly mathematically oriented research group in a proven geoscientific environment. Our research deals with the mathematical analysis of various (often potential-theoretically oriented) geoscientific problems and the development of related numerical methods.

These are your tasks:

- Research in the analysis and development of mathematical and numerical methods for micromagnetic tomography (the combination of scanning magnetic microscopy and microCT in paleomagnetism)
- Implementation and application of the developed methods, as well as scientific exchange in an interdisciplinary environment
- Publication and presentation of the results at relevant conferences and in corresponding journals

What you can expect from us:

- Working at a family-friendly university with flexible working hours
- Remuneration in accordance with the provisions of the collective agreement for the public service of the federal states in line with personal requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), health management; discounted ticket for local public transport (job ticket)
- Further training opportunities
- Opportunity for a research stay at the Utrecht University Paleomagnetic Laboratory

What we expect from you:

- university master's or diploma degree in the field of applied mathematics or comparable subject area
- Experience in at least one of the following areas: Inverse problems, numerics and approximation methods, Fourier analysis
- Interest in concrete geoscientific applications and interdisciplinary research
- Good written and spoken English, good knowledge of German is an advantage

**For further information please contact Prof. Christian Gerhards (Phone: +49 3731 39 2880;
e-mail: christian.gerhards@geophysik.tu-freiberg.de).**

Applicants (m/f/d) must fulfill the recruitment requirements for the conclusion of employment contracts for a fixed term in accordance with the WissZeitVG. Severely disabled persons or persons of equal status will be given preferential consideration if they have the same aptitude, performance and qualifications. For appropriate consideration, please enclose proof of severe disability/equal status with your application documents. The TU Bergakademie Freiberg aims to increase the proportion of women in teaching and research and is therefore particularly interested in applications from qualified women.

Please send your application with a cover letter/motivation letter, CV, copies of all relevant certificates and the job advertisement reference number (202/2024) by 08.12.2024 (the postmark of the ZPS of the TU Bergakademie Freiberg applies) to:

**TU Bergakademie Freiberg - Dezernat für Personalangelegenheiten - 09596 Freiberg or
preferably by E-Mail: bewerbungen@tu-freiberg.de**

Your application documents will not be returned, please submit copies only. Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for staff from various disciplines. Further information can be found at: <https://tu-freiberg.de/stellenangebote>