

## Research Assistant (m/f/d)

Job offer reference number 11-E/2026

Faculty of Mechanical, Process and Energy Engineering

Scope of position: 0,75 or 1,0 FTE (30 or 40 hours/week)  
Time limit: 31.12.2027

Remuneration: pay group E13 TV-L  
Start: at the earliest opportunity

TU Bergakademie Freiberg is researching sustainable solutions to the global challenges of the 21st century. In the context of **space mining**, the Institute of Mechanical Process Engineering and Mineral Processing (MVTAT) is investigating **regolith simulants** to enable the multidimensional **characterisation of these unique particle systems** using X-ray computed tomography.

As part of a collaborative project with partners from universities and industry, we are seeking a research assistant (m/f/d). The research work will involve characterization of bulk properties and particle-discrete **3D image characterisation** of different regolith simulants. The project will involve comparing data sets from simulated particles with measurements on original samples.

### Your tasks

- Working on a research topic in the field of particle technology
- Experimental characterisation using X-ray computed tomography and further development of methods
- Determination of relevant process-related parameters of particle systems
- Image processing – data evaluation - process modelling

### What we expect from you

- Above-average university degree or master's degree in process engineering, environmental engineering, chemical engineering, physics, applied natural sciences or comparable
- Basic knowledge in mechanical process engineering recommended
- Interest in scientific work and further scientific training
- Very good English and German language skills (verbal and written)

### What you can expect from us

- Working at a family-friendly university with flexible working hours
- Remuneration in accordance with TV-L with attractive fringe benefits (e.g. capital-forming benefits, VBL company pension scheme)
- Opportunities for professional and personal development
- Discounted ticket for local public transportation (Jobticket), diverse cultural, sporting and health offerings

Applicants (m/f/d) must meet the employment requirements for the conclusion of fixed-term employment contracts in accordance with the WissZeitVG (German Academic Fixed-Term Contract Act).

### Your application

Please send your application with the usual documents, quoting the reference number (11-E/2026)

**by 16 February 2026, preferably by email to:**

[bewerbungen@tu-freiberg.de](mailto:bewerbungen@tu-freiberg.de)

or to:

**TU Bergakademie Freiberg**  
**Dezernat Personalangelegenheiten**  
**09596 Freiberg**



**For further information please contact:**

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Severely disabled persons or persons of equivalent status (m/f/d) will be given preferential consideration if they have the same qualifications, performance and abilities. Please enclose proof of this. The TU Bergakademie Freiberg specifically promotes the proportion of women and expressly invites qualified women to apply.

