

At the Technische Universität Bergakademie Freiberg, Faculty of Geoscience, Geotechnics and Mining Engineering invites applications for a

**Professorship (Open Rank: W3 or W1 with Tenure Track towards W3)
„Special Underground Construction – Civil Engineering“- position number: 100-E/2024**



The position holder (m/f/d) is expected to have demonstrated scientific expertise and/or practical experience in at least one of the following focus areas related to the construction and operation of technical facilities:

- Infrastructure construction in the underground, such as transportation-, transit-, and utility-roads, residential-, production-, and service-areas, as well as tunneling and deep shaft construction
- Construction and operation of disposal and recycling facilities in the underground, such as landfills and repositories
- Structural engineering for the use and reuse of underground structures, such as energy storage
- Construction materials and techniques under extreme environmental conditions, such as great depths, underwater, and on extra-terrestrial planets

Teaching and research concepts on other relevant topics are welcome.

We are looking for an open-minded and dynamic individual (m/f/d) who will passionately represent the field in teaching and research. In line with the conceptual orientation of the TU Bergakademie Freiberg as a resource university, the future teaching and research area should particularly focus on structural and construction management solutions for innovative and sustainable underground utilization.

Teaching activities of the professorship are integrated into various diploma, bachelor, and master's degree programs. In addition to interdisciplinary fundamental research, practical and applied aspects should also be considered. Proficiency in English and a willingness to teach in English are advantageous.

For teaching and research activities, the Department for Mining and Special Civil Engineering has extensive laboratory and technical facilities, as well as the unique opportunities of the underground research and teaching mine "Reiche Zeche." It is expected that the position holder will integrate the existing infrastructure into the concept for the profile of the chair, further develop it, and utilize it for projects with other research groups at the TU Bergakademie Freiberg as well as with institutions nationally and internationally. In addition to outstanding research, we are seeking an individual who is motivated to lead an interdisciplinary and international working group and offer attractive teaching – including in neighboring disciplines.

The appointment depends on the qualifications of the applicant (m/f/d) and will be made either in salary grade W3 for permanent or in salary grade W1 (Junior Professorship with Tenure-Track to W3) for a fixed term of three years, with an extension of an additional three years following a positive interim evaluation. Upon successful tenure-track evaluation, and no later than in the sixth year, the appointment will be converted to a permanent position in salary grade W3, provided the civil service requirements are met, without the need for a new job advertisement.

In the case of an appointment as a Junior Professor (m/f/d) in salary grade W1 with Tenure-Track to W3, the requirements according to § 64 of the Saxon Higher Education Act (SächsHSG) in its current version must be fulfilled. Additionally, §§ 60 paragraph 2 and 71 paragraph 3 of the SächsHSG apply. The basis of the evaluation process will be evaluation criteria mutually agreed upon at the start of the service, covering the areas of research, teaching performance, academic self-governance/voluntary engagement, and knowledge transfer. The university supports tenure-track professors (m/f/d) through advising, networking, training, and mentoring.

The Graduate and Research Academy (GraFA) of the TU Bergakademie Freiberg, in collaboration with the Higher Education Didactics Center Saxony (HDS), offers tailored higher education didactics training courses.

For the appointment to a W3 Professorship for life, the sought-after individual must meet the general appointment requirements for professors (m/f/d) according to § 59 of the Saxon Higher Education Act dated May 31, 2023 in its current version. This requires a completed university degree, special aptitude for relevant scientific work (usually evidenced by a doctorate), habilitation or equivalent habilitation achievements, as well as pedagogical aptitude and knowledge of higher education didactics.

Severely disabled applicants or those with equivalent status (m/f/d) will be given preferential consideration if they have the same qualifications.

To ensure appropriate consideration, please include proof of disability/equivalent status with the application documents.

The TU Bergakademie Freiberg is a family-friendly and provides support in the provision of childcare facilities as well as in the placement of appropriate jobs in the region for life partners (m/f/d) or spouses (m/f/d) (dual career couples). It strives to increase the proportion of women in teaching and research. Qualified female scientists are therefore invited to apply.

Applications, stating the advertisement reference number (**100-E/2024**), should be sent with a curriculum vitae, a description of academic career, a list of publications with copies of the most important publications, a list of courses taught, the results of evaluations carried out in recent years, a certified copy of the highest academic degree, and a cover letter indicating your motivation for applying, as well as a research and teaching concept, by **August 31, 2024** to the:

**TU Bergakademie Freiberg - Human Resources Department - 09596 Freiberg
preferably via email: bewerbungen@tu-freiberg.de.**

**If you have any questions, please contact the Head of the Appointment Committee:
Herrn Prof. Dr. Christoph Butscher (Christoph.Butscher@ifgt.tu-freiberg.de).**

Please note that your application documents will not be returned. Please submit copies of your certificates only. Travel and other costs for interviews will not be reimbursed.