

The Faculty of Geoscience, Geotechnics and Mining Engineering, Institute of Mineralogie at TU Bergakademie Freiberg invites applications for a position as professor within the framework of a joint appointment according to the Jülich model at the earliest possible date a



(W3) professorship of Ore Deposit Research and Geometallurgy
(code number: 130-E/2022)

The selected candidate (m/f/d) will be simultaneously appointed Director of the Helmholtz Institute Freiberg for Resource Technology (HIF) of the Helmholtz-Zentrum Dresden-Rossendorf (HZDR).

The Technical University Bergakademie Freiberg sees itself as the resource university in Germany with its networked profile lines Geo, Material, Energy and Environment. With top achievements in research and teaching, it assumes responsibility for a sustainable resource economy. Through excellent research and teaching, pioneering results are achieved together with national and international partners, and highly qualified young professionals are trained. The university is actively involved in the transfer of knowledge into practice.

The HZDR is a research institution with approximately 1,400 employees and a member of the Helmholtz Association of German Research Centers. Its interdisciplinary scientific focus is on the research areas of energy, health and matter. Within this context, the HIF carries out research dedicated to improve energy and resource efficiency and to develop innovative technologies, including digitalization and the use of artificial intelligence, up to pilot scale for the raw materials industry. The aim is to extract mineral primary raw materials sustainably and efficiently and to recycle secondary raw materials as comprehensively as possible, thus making an important contribution to the circular economy.

The director of the Helmholtz Institute Freiberg for Resource Technology is to be combined with the professorship of the university in order to develop new impulses in topics of well-established Freiberg research foci. In close cooperation with colleagues from the TU Bergakademie Freiberg, a broad portfolio of research topics is to be worked on, such as exploration with the help of drones or the geometallurgical modeling of ore bodies. Other important research topics include economic evaluation across material flows and the sustainable use of resources.

The professorship will interconnect geological, mineralogical and geochemical research methods. The candidate (m/f/d) will be responsible for teaching courses at the TU Bergakademie Freiberg in Bachelor or Master programs in the field of resource technology. The ability and willingness to teach, German and English, is required. These responsibilities include teaching 2 SWS (2 contact hours per week per semester).

The incumbent (m/f/d) must have proven expertise in the Helmholtz Association's program in the research field energy and must have a well established European and international network. Publications in peer-reviewed international journals documenting outstanding scientific achievements, proven teaching experience, and experience in attracting external funding are required. A strong willingness to cooperate with professors at TU Bergakademie Freiberg and Helmholtz-Zentrum Dresden-Rossendorf is expected in order to expand existing synergies or create new ones.

You fulfill the general requirements for appointment according to § 58 of the "Sächsisches Hochschulfreiheitsgesetz" (Higher Education Act of Saxony), dated January 15, 2013, in its currently valid and applicable version.

Severely disabled or equivalent applicants (m/f/d) will be given preferential consideration in the event of equal suitability. For appropriate consideration, we ask that proof of the severe disability/equality be attached to the application documents. TU Bergakademie Freiberg and the Helmholtz-Zentrum Dresden-Rossendorf (HZDR) are 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 encouraged to apply.

Applications, stating the advertisement reference number (130-E/2022), 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 15.07.2022 to direct to the:

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

Due to the joint appointment procedure, the application documents are also made available to representatives of the HZDR.

**If you have any questions, please contact the Head of the Appointment Committee,
Prof. Dr. Moh'd M. Amro (mohd.amro@tbt.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.