



The Faculty of Mathematics and Computer Science of the TU Bergakademie Freiberg invites applications for a



**(W3) professorship of Discrete Structures**  
**(position number: 165-E/2022)**

with the anticipated starting date of October 1, 2023.

We are looking for a mathematician with an outstanding international reputation in a current research area of discrete mathematics (e.g. algorithmic graph theory, structural combinatorics, discrete geometry, computability theory, or complexity theory), whose research profile furthermore has a strong focus on applications, preferably in theoretical computer science, artificial intelligence, or mathematical data analysis.

Experience in the acquisition of third-party research funding is expected, as well as readiness for collaboration with existing research groups at TU Bergakademie Freiberg.

With a distinguished focus on all aspects relating to the management of natural resources, the TU Bergakademie Freiberg features a unique profile in the areas of earth, material, energy and environmental sciences. Therefore, the future colleague's ability and willingness for interdisciplinary cooperation is of considerable importance.

Teaching duties include introductory and advanced courses for students in mathematics and other curricula, in particular in the areas of discrete mathematics and theoretical computer science. In addition to an outstanding research track record, applicants are expected demonstrate excellent proficiency in and strong commitment to teaching.

The ability and willingness to teach in both German and English are prerequisites for the application.

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.

The Technische Universität Bergakademie Freiberg is a family-friendly university and provides support in the provision of childcare facilities as well as in finding appropriate jobs in the region for the life partner or spouse (m/f/d) (dual career).

TU Bergakademie Freiberg seeks to employ more female professors. Hence, we particularly encourage qualified female scientists to apply. Applications from disabled candidates or those with additional support needs are very welcome.

Please address your application with reference to the **position number (165-E/2022)**, consisting of a curriculum vitae, a description of your academic career, a list of publications, copies of the most important publications, a list of teaching activities, results of evaluations from the last years, with a certified copy of the highest academic degree, certificates of academic degrees, cover letter explaining your motivation for the application as well as research and teaching concepts until 30.09.2022 to:

**TU Bergakademie Freiberg - Human Resources Department - 09596 Freiberg**  
**preferably via email: [bewerbungen@tu-freiberg.de](mailto:bewerbungen@tu-freiberg.de)**

**If you have any questions, please contact Prof. Oliver Rheinbach**  
**(phone: +49 3731 39 3279; email: [oliver.rheinbach@math.tu-freiberg.de](mailto:oliver.rheinbach@math.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.