

The geomaterials and crystalline materials group at the faculty for environment and natural resources of the University of Freiburg invites applications for a

Ph.D. position

(Wissenschaftliche Mitarbeiterin / Wissenschaftlicher Mitarbeiter)

in Mineral Physics

The fixed-term position is available for **3 years** and is compensated in with salary level **TV-L E 13 (75%)**. The anticipated starting date is **September 1st, 2022 (flexible)**.

The group of Junior-Prof. Prescher is mainly interested in the physical and chemical properties of geologically relevant materials under high pressure and temperature conditions. The here advertised position is envisioned to be working primarily on the time-resolved investigation of material response to ultra-short (<1 ns) laser and X-ray pulses in diamond cells at high pressures. Experiments will be mainly conducted at the European X-ray Free Electron Laser (Eu-XFEL) in Hamburg.

Prerequisites

We seek a highly motivated individual with keen interest in experimental work. Applicants should hold a master's degree or equivalent in Earth sciences, mineralogy, chemistry, physics, material sciences or a related field at the time of the appointment.

Experience in high pressure experimentation, X-ray diffraction, spectroscopic methods for material characterization is desirable but not required. Experience in using scripting languages such as Python or Matlab for the purpose of data analysis is desired but also not required. Good proficiency in English (written and spoken) and availability to travel are required.

Applications

We are particularly pleased to receive applications from women for the position advertised here.

Please send your application including supporting documents citing the reference number 2248, by **June 24th, 2022**, at the latest. Please send your application to the following address in written or electronic form:

Albert-Ludwigs-Universität Freiburg
Professur für Geomaterialien und kristalline Werkstoffe
Sekretariat
Hermann-Herder-Straße 5
79104 Freiburg im Breisgau

E-Mail: clemens.prescher@geomat.uni-freiburg.de

For further information, please contact Junior-Prof. Clemens Prescher on the phone number +49 761 203-6436 or via E-Mail clemens.prescher@geomat.uni-freiburg.de.