



Leibniz-Institut
für Festkörper- und
Werkstoffforschung
Dresden



TECHNISCHE UNIVERSITÄT
BERGAKADEMIE FREIBERG

Die Ressourcenuniversität. Seit 1765.

The Faculty of Materials Science and Materials Technology
of the Technical University Bergakademie Freiberg
invites applications for the

Professorship (W2) for Development and Functionalization of Metallic Materials combined with the position of a

Senior Scientist / Group Leader

at the Leibniz Institute for Solid State and Materials Research Dresden (IFW)

The research of the professorship will focus on new experimental materials concepts and processing methods for applications in medicine, vehicle manufacturing/transport technology as well as mechanical and plant engineering in the context of digital transformation. The focus will be on high-strength metallic and biocompatible materials, which will be treated holistically from alloy development and materials processing to semi-finished products and components.

We are looking for applicants with outstanding expertise in materials science. A completed university degree, an outstanding doctoral degree, excellent scientific qualification and pedagogic skills, including the ability to teach in German and English, are prerequisites. We are looking for a person with outstanding research and development experience in the fields of high-strength metallic and biocompatible materials. The research focus of the applicants should be focussed on microstructure-property interaction of novel metallic materials produced by casting and additive manufacturing processes, accompanied by consistent multiscale characterization. We expect a strong engineering expertise including the technical applications of the materials that is proven by industrial projects and patents. In addition, the ability to lead a larger research group, the experience in initiating, acquiring and coordinating national and international third-party funded projects in basic and applied research as well as academic teaching experience are requisite. Social skills as well as the ability and willingness to cooperate within and outside the TU Bergakademie Freiberg and IFW Dresden complete the required profile.

In each semester, the owner of the professorship for materials development and functionalization of metallic materials is expected to offer lectures at the Technische Universität Bergakademie Freiberg having the extent of two hours per week (SWS). The university supports professors by means of advisory services, networking, advanced training and mentoring programmes. In cooperation with the Center for Didactics in Higher Education Saxony (HDS), the Graduate and Research Academy (GraFA) of the TU Bergakademie Freiberg offers tailored courses dedicated to further didactic education of our professors.

Successful applicants must fulfil the general criteria for an appointment as a professor according to § 58 of the SächsHSFG, Higher education act of Saxony dated 15-01-2013 (Sächs. Law and Ordinance Gazette Volume 2013, Sheet No.1, p.3) in its currently valid and applicable version. Applications from disabled/handicapped candidates or applicants of equal status will be given preferential consideration in the case of equal qualification, performance and ability. For appropriate consideration of your application, we ask you to enclose proof of disability/equality with your application documents.

The TU Bergakademie Freiberg and IFW Dresden seek to increase the number of female professors. Thus, we particularly encourage qualified women to submit their application. The university provides support in finding opportunities for childcare as well as appropriate regional jobs for spouses and/or life partners.

Please address your application consisting of a curriculum vitae, a description of your academic career, a list of publications with copies of the most important publications, a list of teaching activities, results of evaluations from the last years, a certified copy of the highest academic degree and a cover letter explaining your motivation for the application and outlining your research and teaching concept until October 31st, 2021 to

**TU Bergakademie Freiberg
- Human Resources Department -
09596 FREIBERG
GERMANY**

Because of the joint appointment at the TU Freiberg and IFW Dresden, the application documents will also be forwarded to IFW Dresden.

Please address queries to Prof. Dr. rer. nat. habil. David Rafaja, phone: +49 3731 39-2299, E-Mail: Dekan.Fak5@ww.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.