At the Faculty of Materials Science and Technology, Institute of Materials Engineering, Chair of Materials Engineering, there is a vacancy for the earliest possible date for the position of a

**Research Assistant (m/f/d) – Position number 55-E/2021**

within the framework of a third-party funded project (DFG).

**Pay grade:** E13 TV-L  
**Hours:** 1,0 VZÄ  
**Contract type:** 3 years

The Institute of Materials Engineering studies mechanical properties, especially under fatigue loading. The project aims at the development and investigation of new austenitic steels with fine- and ultrafine-grained microstructure.

**Job description:**
Carrying out independent research work on the structure-property correlation of the new steels:
- Scientific processing of the project
- Planning, coordination and execution of quasi-static and cyclic tests with a servo-hydraulic universal testing machine
- Characterization of the microstructural changes, in particular by means of scanning electron microscopy
- Correlation of process parameters and mechanical properties
- Cooperation within the team and with scientists of the project partners
- Preparation of scientific publications, presentations at conferences

**What you can expect from us:**
- Working at a family-friendly university with flexible working hours
- Remuneration according to the provisions of the collective bargaining agreement for the public service of the German federal states (Länder) in accordance with personal requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), health management; Training by long-term employees as well as participation in further training opportunities

**What we expect from you:**
- University degree or master's degree as an engineer in the fields of materials engineering, materials science, mechanical engineering or similar
- Knowledge in the field of materials testing
- Knowledge in the field of micro characterization
- Enthusiasm for applied research, initiative, personal commitment and the ability to work in a team
- Very good knowledge of German and English, both written and spoken

**For further information please contact** Prof. Biermann; Tel. 03731/39-3564; E-Mail: biermann@ww.tu-freiberg.de

The applicant must meet the hiring requirements for fixed-term employment contracts according to the WissZeitVG. Applicants with disabilities will receive preferential consideration, provided they possess equal qualifications. For consideration, we ask you to submit proof of your disabled status together with your application documents. TU Bergakademie is committed to increasing the number of women in teaching and research positions, hence qualified female candidates are especially encouraged to apply.

Written applications, including a CV, motivation letter and copies of all relevant qualifications documents (certificates, diplomas), should be submitted before **07 April 2021** stating **reference number (55-E/2021)** to the following address:

**TU Bergakademie Freiberg, Dezernat für Personalangelegenheiten, 09596 Freiberg or bewerbungen@tu-freiberg.de**

Your application documents will not be returned, please only submit copies. Candidates will not be compensated for any costs incurred for attending interviews. TU Bergakademie Freiberg is always looking for scientific personnel from various disciplines. Further information can be found at [http://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen](http://tu-freiberg.de/wirtschaft/karriere/stellenausschreibungen)