

The TU Bergakademie Freiberg, Faculty of Materials Science and Technology, Institute of Nonferrous Metallurgy and Pure Materials is seeking to fill the position of

Research Assistant (m/f/d)
Advertisement reference number 204-E/2024



to be filled on a temporary basis as part of a third-party funded project.

Vergütung: Entgeltgruppe 13 TV-L
Stellenumfang: 0,75 VZÄ (30 Std./Woche)
Befristung: 31.12.2027

The Institute of Non-Ferrous Metallurgy and High-Purity Materials is working on the development of new processes for the production and recycling of non-ferrous metals. As part of the CircEcon project, the technological design of plants for refining aluminum scrap is to be developed together with the supplier(s) and the procurement of the plants is to be coordinated together with the administration. Preliminary tests and modeling work will be carried out at the institute and validated on a pilot scale at the newly constructed plant in Lusatia.

These are your tasks:

- Development and construction of a new technology line for the refining of light metals
- Derivation of the necessary equipment and plant engineering test setups
- Coordination and active support in the construction of the process and plant technology
- Preparation and development of scientific projects for the operation of the plants, especially in the field of secondary metallurgy of aluminum
- Close cooperation with the project partner

What you can expect from us:

- Working at a family-friendly university with flexible working hours
- Remuneration in accordance with the provisions of the collective agreement for the public service of the federal states in line with personal requirements. requirements
- Attractive fringe benefits, e.g. capital-forming benefits (VL), company pension scheme (VBL), health management; discounted ticket for local public transport "Job-Ticket"
- Further training opportunities

We expect you to have:

- University degree or Master's degree in the field of metallurgy, mechanical engineering, process engineering, materials science or a comparable degree
- good knowledge of metallurgy and/or mechanical and plant engineering
- personal commitment, a high degree of independence and the ability to work in a team

For further information please contact Prof. Dr.-Ing. Alexandros Charitos (Tel. 03731/39-2303, e-mail: Alexandros.Charitos@inemet.tu-freiberg.de) and Dr.-Ing. Beate Fankhänel (Tel. 03731/39-2020, e-mail: beate.fankhaenel@inemet.tu-freiberg.de) are at your disposal.

Applicants (m/f/d) must fulfill the recruitment requirements for the conclusion of employment contracts for a fixed term in accordance with the WissZeitVG. Severely disabled persons or persons of equal status will be given preferential consideration if they have the same aptitude, performance and qualifications. For appropriate consideration, please enclose proof of severe disability/equal status with your application documents. The TU Bergakademie Freiberg aims to increase the proportion of women in teaching and research and is therefore particularly interested in applications from qualified women.

Please send your application with a cover letter/motivation letter, CV, copies of all relevant certificates, stating the advertisement **reference number (204-E/2024)** by **10.11.2024** (the postmark of the ZPS of the TU Bergakademie Freiberg applies) to:

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

Your application documents will not be returned, please submit copies only. Interview costs will not be covered. The TU Bergakademie Freiberg is also looking for staff from various disciplines. Further information can be found at: <https://tu-freiberg.de/stellenangebote>