



At Virtuhcon center, Faculty of Mechanical, Process and Energy Engineering, Institute of Energy Process and Chemical Engineering (Professorship of Energy Process Engineering and Thermal Waste Treatment (EVT)) we invite for a position of a

Postdoctoral Research Fellow / Research associate

Salary: Entgeltgruppe 13 TV-L
Working time: 40 hours per week (1,0 FTE)
Contract: Employment contract is initially limited until August 31, 2021

Tasks:

The working tasks include the operation of test facilities in the field of non-ferrous metallurgy as well as sampling, process balancing, thermochemical modeling of slag behavior and process analysis with the identification of optimization potentials for non-metallurgical processes.

- Development of new analytical and measurement concepts and their implementation as well as operation of test facilities
- Experimental determination of material and process data as a basis for numerical modeling
- Thermochemical modeling of the metallurgical behavior of solid and liquid phases
- Optimization of metallurgical processes
- publishing of the results in journals and international conferences

Requirements:

Requirement for application is a university diploma or master's degree in non-ferrous metallurgy or related fields. The knowledge of copper and zinc production processes as well as knowledge in the fields of thermochemical modeling is required. Candidates should be able to develop and apply new concepts, to organize their own work with minimal supervision and be willing to work as part of a team and to be open-minded and cooperative.

Informal enquiries about the positions can be made to Dr. Joerg Kleeberg, Tel. +49 3731 39-4468, Fax: +49 3731 39-4555, e-mail: Joerg.Kleeberg@iec.tu-freiberg.de.

We particularly welcome and encourage applications from women and disabled people, recognizing they are under-represented at TU Bergakademie Freiberg. The principles of fair and open competition apply and appointments will be made on merit.

Please include the **reference number (235-E/2017)** on your application. The deadline for applications is **October 12, 2017**. Applications should be sent to:

**TU Bergakademie Freiberg
Dezernat für Personalangelegenheiten
09596 Freiberg**

Your application documents will not be returned, please submit only copies. Interview costs are not accepted.