

Clausthal University of Technology is a research-focused university with outstanding national and international networking. The approximately 4,000 students and more than 1,200 employees enjoy short commutes, personal interaction, and the diverse landscape of the Upper Harz region in the middle of a UNESCO World Heritage Site in the Harz Mountains. Clausthal University of Technology is the most significant economic factor and the largest employer in the region, offering cultural diversity and internationalism. Here, science works closely with business and industry, bridging the gap between basic research and application in a strategic focus on the Circular Economy. With this university-wide concept for the future, our research aims to contribute to the development of a sustainable industrial society in the digital age. The close link between material and process knowledge as well as the expertise in digitization facilitate a significant contribution to the implementation of the Circular Economy.

The Faculty of Mathematics/Computer Science and Mechanical Engineering is seeking to fill the position of

University Professor (Salary-W3 or W2 BBesO)

“Mathematical Modelling”

(m/f/d)

at the Institute of Mathematics as soon as possible.

The research of the candidate should focus on the development and analysis of mathematical models, including (partial) differential equations. It should also address the well-posedness and stability of models. Experience in applications from natural sciences and engineering is desirable. The advertisement is intended to address experienced applicants who will be paid according to W3, but promising applicants at the beginning of their career will also be given a chance (at W2 salary level). The „Information on the Open Rank Selection Procedure“ (<https://www.fakultaeten.tu-clausthal.de/fak3/aus/iorsp>) and the criteria stipulated therein are part of the job advertisement and are the basis for the classification of the applicants.

We are looking for internationally renowned persons with a research area complementing the research conducted at the Institute of Mathematics. The successful candidate should actively participate in the further development of the research profile of the institute. He or she should have a pronounced affinity towards interdisciplinary work and application-oriented topics, and should fit in with the main research areas of Clausthal University of Technology in terms of his/her possible working areas.

The candidate is expected to contribute to the degree program “Applied Mathematics”, by taking responsibilities for basic mathematical education, teaching at masters level (e.g. in functional or complex analysis, or partial differential equations), as well as teaching courses as service for other disciplines.

Applicants are expected to be willing to participate in coordinated interdisciplinary programmes.

The requirements of the position are defined in section 25 of the Niedersachsen Higher Education Act (Niedersächsisches Hochschulgesetz NHG).

Experience in the acquisition of third-party funded projects is expected.

The willingness to hold courses in German and English is a prerequisite. Strong commitment to teaching is expected.

The Clausthal University of Technology wishes to increase the number of its female faculty members. Therefore, applications from female candidates are particularly welcome. Candidates with disabilities who are equally qualified will be given preference. Applications from international scientists are welcome; proficiency in the German language is desired for teaching and committee work.

A part-time professorship is possible upon request.

Applicants who are 50 years or older at the time of appointment commences and who do not hold already a permanent civil servant status (Beamtenverhältnis auf Lebenszeit) will be employed with employee status (Angestelltenverhältnis)

Further information is available from the Chairman of the Search Committee. Prof. Dr. Jörg P. Müller, Tel. +49 (0) 5323 72-7140, FAX +49 (0) 5323 72-7199, email: joerg.mueller@tu-clausthal.de.

Applications with the usual documents must be submitted in electronic form (PDF format) to fakultaet3@tu-clausthal.de until **28 February 2021**, addressed to the Dean of the Faculty Mathematics/Computer Science and Mechanical Engineering, Faculty III, at Clausthal University of Technology, Prof. Dr.-Ing. Volker Wesling, Leibnizstr. 6, 38678 Clausthal-Zellerfeld (Germany).

Please note our information on data protection in the application process at <http://www.tu-clausthal.de/info/stellenangebote/datenschutz> .