

The Faculty of Energy and Economic Sciences of the Clausthal University of Technology is seeking to appoint within the framework of the Joint Federal Government-Länder Tenure-Track-Program for Young Academics the Position of

**Juniorprofessorship (Salary Scale W1 NBesO)  
with Tenure Track (leading to Salary Scale W2 NBesO)**

**“Circular Economy Systems”**

(m/f/d)

at the Institute of Mineral and Waste Processing, Waste Disposal, and Geomechanics as soon as possible.

The incumbent will conduct research in the field of waste management and the circular economy in interdisciplinary cooperation with partners from engineering, economic research and IT departments. Her or his major focus shall lie in the field of engineering. A dovetailed approach to integrating modern circular economic systems with already available technologies and structures in the field of recycling at TU Clausthal is mandatory.

Existing cooperation with professors from other research fields at TU Clausthal should be further developed. As an example, we would wish for an intensification of joint activities in aspects relating to behavioral economics and their application in sustainability and acceptance research. A strengthening of the collaboration, in particular relating to digitization (e.g. flexible information-controlled waste management systems), materials and production technology as well as economic management systems is expected.

The main emphasis of future research should lie in one or more of the following fields of a circular economy:

- avoidance, reduction, prevention of littering,
- design of framing conditions for new circular economy structures,
- repair, cascade use and second life approaches,
- management of material flow of post consumer wastes,
- material flow prediction and decision instruments,
- modern, digital based collection systems,
- circular economy systems for different waste streams and different regions,
- steering and control of complex process chains,
- cross-linked recycling strategies in industrial recycling networks

The applicant should have relevant research experience in at least one of these areas and should also have experience in cooperating in interdisciplinary projects in the field of application-oriented basic research.

As part of her of his teaching duties, the applicant will have to develop and hold lectures and tutorials in the field of waste management and circular economy and will also be involved in internationally

oriented degree programs. Willingness to participate in the academic self-management is taken for granted.

Close cooperation with the professorship for Raw Material Processing and Recycling at the IFAD as well as other professorships at the Clausthal University of Technology, especially in the TU Cluster Recycling is expected. The Clausthal University of Technology is a member of the recycling cluster REWIMET, the German Research Network on Resources GERRI, and the European knowledge and innovation network EIT Raw Materials. Participation and cooperation in these networks as well as with other research partners is required.

The requirements of the position are defined in Section 30 of the Niedersachsen Higher Education Act (Niedersächsisches Hochschulgesetz NHG). Junior professors are appointed to a fixed term of three years (in line with § 30 Abs. 4 of the Niedersachsen Higher Education Act, NHG). In case of a positive evaluation of this term, the appointment can be extended by up to three additional years. After at most five years overall, the tenure-track evaluation process as outlined in the "Tenure Track Ordnung der TU Clausthal" (Ordnung zur Gewährung einer Professur auf Lebenszeit im Tenure Track-Verfahren) can be initiated. In case of a positive outcome and in compliance with applicable laws and regulations, the junior professorship will be converted to a permanent professorship (Salary Scale W2).

Experience in the acquisition of third-party funded projects or corresponding industrial experience 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. 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.

Further information is available from Prof. Dr. Inge Wulf, Tel: +49 (0)5323 72-7646, Email: [inge.wulf@tu-clausthal.de](mailto:inge.wulf@tu-clausthal.de).

Applications with the usual documents must be submitted until 04.01.2021 to the Dean of the Faculty of Energy and Economic Sciences at Clausthal University of Technology, Prof. Dr. Bernd Lehmann, Erzstraße 20, 38678 Clausthal-Zellerfeld, Germany, in electronic form (one PDF-file) to [bewerbung-kw@tu-clausthal.de](mailto:bewerbung-kw@tu-clausthal.de).

Please note our information on data protection in the application process at <https://www.tu-clausthal.de/en/university/careers-vocational-training/tu-clausthal-as-an-employer/information-on-data-privacy-in-the-application-process>.