

## 155. Job Advertisement: University professor for Digitization and Data Modeling in Science and Technology

At Montanuniversität Leoben, Austria, the position of a

**University Professor**  
for the subject area of

### **Digitization and Data Modeling in Science and Technology**

pursuant to § 98 of the Austrian University Act (UG) 2002 is to be filled at the Department of Mathematics and Information Technology as soon as possible, in the form of an unlimited employment contract under public law in accordance with the Salaried Employees Act, on a full-time employment basis.

We are seeking a candidate of international scientific reputation, whose research and teaching is located at the interface between computer science on one hand, and physical and engineering sciences on the other hand. A particular focus shall be on semantic modeling and digitization of processes and data, and resulting digital applications in the research areas of the Montanuniversität. These include for instance digital representations of processes in metallurgy, polymer engineering, materials science and power engineering; models of machines with their instrumentations and the resulting measurement data; digitization of geological structures and underground constructions; physical modeling of sub-surface processes; processes in quality control, maintenance and logistics.

The successful candidate is expected to contribute to the success of the University with a modern **teaching** concept. Introductory courses on Data Modeling including Databases are to be held both in German and English. A particular focus lies on the first year of study which is common to all bachelor programs at the Montanuniversität. The teaching duties also include the supervision of scientific projects.

**The requirements for employment** comprise a university degree and a doctorate in a relevant field, as well as a habilitation or an equivalent qualification. Further prerequisites are a very good command of the German and English language, proven pedagogical and didactical skills including experience in the use of modern teaching methods, and leadership qualities.

Experience in acquiring and conducting **research projects** on a national as well as international scale is of high importance.

Aside from a high personal motivation to achieve excellence in research and teaching we expect the ability and willingness to cooperate in research teams and to inspire peers and students. We assume enthusiasm to work in an interdisciplinary and internationally oriented environment, as well as scientific integrity and problem-solving competence. Taking residency in the greater Leoben area is desired.

Remuneration is based on the collective agreement of the universities in the application group A1. In this classification the gross monthly salary for full-time employment is € 5,437.70 (14 x per year). Provided appropriate qualification, a higher salary is subject to the appointment negotiations.

Montanuniversität Leoben is committed to increasing the proportion of women and expressly encourages qualified women to apply. In the case of equal qualification among applicants, women shall be given preference.

Applications must include the following documents in English:

- motivation letter
- comprehensive curriculum vitae (including the ORCID number) with previous research and teaching activities
- complete list of publications including citation statistics
- copies of five selected publications with significant contributions by the applicant, together with a motivation for this selection
- list of acquired third-party funding along with a description of selected projects
- research concept regarding future activities at the Montanuniversität Leoben
- teaching concept regarding future activities at the Montanuniversität Leoben

Applicants are requested to submit their documents electronically by May 23, 2022 to the Rector of the Montanuniversität Leoben, Univ.-Prof. Dipl.-Ing. Dr.techn. Dr.h.c. Wilfried Eichlseder, Franz-Josef-Straße 18, 8700 Leoben, Austria. To this end, the files should be compressed into a **single** zip-archive with the filename „MUL-BKDDNT\_Lastname\_Firstname.zip“ and uploaded using the following link:

<https://oc.unileoben.ac.at/index.php/s/9dNEig1FucYFpFD>

Additional information can be obtained from the Head of the Appointment Committee, Univ.-Prof. Dr. Peter Auer, Franz-Josef-Straße 18, A-8700 Leoben, Österreich, Tel.: +43-3842-402-1500, E-Mail: peter.auer@unileoben.ac.at

The Rector  
Univ.-Prof. Dipl.-Ing. Dr.techn. Dr.h.c. Wilfried Eichlseder

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