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## 227. Job Advertisement – extension of the application deadline – The Chair of Mining Engineering and Mineral Economics in the Department of Mineral Resources Engineering has a position for a full-time University Assistant (m/f/d) – Reference number: 2604WPA

As a modern university with a strong focus on research and teaching, the Montanuniversität Leoben (Technical University of Leoben) offers outstanding opportunities for career advancement in both scientific and non-scientific domains.

The Chair of Mining Engineering and Mineral Economics in the Department of Mineral Resources Engineering has a position for a full-time University Assistant (m/f/d).

**Salary Group B1** according to the UNI-KV, monthly minimum salary excl. Szlg.: € 3.776,10 for 40 hours per week (14x per year), actual classification is according to previous relevant experience.

Date of expected start of employment: **earliest possible date**

Term of employment: **2 years**

Hours of employment per week: **40 hours**

### Background:

Printed electronics are an evolving technology and enable new types of sensors and applications cases. They are comparably easy and cheap to deploy and can be adopted to a variety of use cases. Still, each use case needs to be tailor-made, depending on the specific requirement, materials used and deployment conditions.

Rock bolts, as used in mining and geotechnical engineering, are one very important example, where these new sensors can successfully be utilized. Ongoing research is dedicated to developing functional and reliable sensors in an industrial setup.

### Responsibilities:

We are looking for a researcher interested in further developing these ink-based intelligent rock bolts, i.e. transferring previous basic research and prototypes into an industrial scale product. The workplan comprises manufacturing of intelligent rock bolts, i.e. assembling the innovative sensor system, extensive testing of the individual components and checking whether they are fit for being installed in the harsh underground environment, as well as laboratory testing and calibration of the systems, and finally deployment in real mining scenarios. You will further be involved in elaborating this work plan, and evaluating the results, respectively defining the next steps within the project. Finally, you will design and coordinate the deployment with all industrial stakeholders.

### Employment requirements:

You hold a technical Master's Degree (e.g. in Electrical Engineering, Technical Chemistry, Technical Physics, Materials Science and similar fields) with a background in manufacturing and product development, and with an interest in sensor development and (printed) electronics. Additionally, you have a willingness to travel, show a self-reliant and independent working attitude, you have good interpersonal and communication skills in an inter-disciplinary team, and you are fluent in English (written and oral). German skills are an additional benefit.

**We offer numerous benefits, including:**

You will be working within a young and motivated international team of researchers at Montanuniversität Leoben (Technical University of Leoben), one of Europe's top universities related to raw materials. In this project, you will be working on an interdisciplinary state of the art development close to the heartbeat of the industry. Additionally, personal skills in intercultural teamwork, project management, as well as confidence and capacity in producing and presenting scientific results to various audiences will be fostered.

- Convenient public transport connections (train and bus access)
- Family-friendly work environment and good work-life balance
- Access to occupational health services
- Health promotion initiatives and annual health day
- Comprehensive university sports and fitness programs
- Employee discounts at selected shops and services
- Language courses and support for international staff

**Reference ID: 2604WPA****End of Application: 21.05.2026**

The Montanuniversität Leoben (Technical University of Leoben) intends to increase the number of women on its faculty and therefore specifically invites applications by women. Among equally qualified applicants, women will receive preferential consideration.

For the application please use the online form on the homepage: <http://www.unileoben.ac.at/jobs>

The Rector:

Univ.-Prof. Dipl.-Ing. Dr.mont. Dr.-Ing. E.h. Dr.h.c. Peter Moser

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