

13. Job Advertisement – One Post doc- position for a full-time employee (m/f/d) at the Chair of Mining Engineering and Mineral Economics, in the Department Mineral Resources Engineering - Reference number: 2310WPC

One Post doc- position for a full-time employee (m/f/d) at the Chair of Mining Engineering and Mineral Economics, in the Department Mineral Resources Engineering - Start at the earliest possible date in a permanent employment relationship.

Salary Group B1 according to the Uni-KV, monthly minimum salary excl. Szlg.: € 4.351,90 for 40 hours per week (14 x).

Background

Responsible, sustainable and low CO2 footprint mineral extraction is vital for the preservation of our planet. Ensuring responsible supply of minerals, involves addressing the environmental, social, and economic impacts of mineral extraction and developing technologies and know-how to minimize them. Mining within these low-impact boundaries in a world that is putting an increasing pressure on the mineral supply requires developing environmentally friendly, safe, intelligent and resource efficient extraction technologies and methods. The Horizon Europe project **REESOURCE will set a sustainable and decarbonized value chain basis for the extraction of Rare Earth Elements (REEs) in Europe**, supporting the ambition of the continent to become self-sufficient on REEs. This target will be achieved through a set of actions (scientific, technical, social and financial) that will serve to pave the road for the development of the European mining of the future. A key component of the project is Montanuniversität Leoben's contribution by **enhancing key technologies of raise mining to foster "invisible mining"**, with minimal socioenvironmental impact and lower CO2 emissions compared to existing approaches.

Job description

First and foremost, we are looking for a senior researcher at the post doc level for successfully managing our contribution to the REESOURCE project This includes aspects such as developing design guidelines for key rock engineering aspects of raise mining and developing a self-learning geotechnical model.

Beyond this, the successful candidate is expected to develop additional research proposals related to underground mining and rock mechanics and to take on teaching responsibilities in these two fields especially at the master level.

What we are looking for / your background

- Your background is in mining engineering and you have 3-5 years of experience (ideally also in the industry) and a track record at the post-doc level in underground mining and/or rock mechanics, especially in mine planning, (active) stress management, support requirements and related numerical simulations.
- You have experience with project management, ideally with European research projects, which you also initiated and proposed.
- You have a proven track record of teaching underground mining and / or rock mechanics at a university level.
- Additionally, you have a willingness to travel, show a self-reliant and independent working attitude, you have good interpersonal and communication skills, and you are fluent in English (written and oral). German skills are an additional benefit.

What we offer

You will be working within a young and motivated international team of researchers at the Chair of Mining Engineering and Mineral Economics, well recognized for its underground mining capabilities, of Montanuniversität Leoben, one of Europe's top technical universities related to raw materials. With this team, you will play a significant role in further advancing your – and our - capabilities in underground mining and rock mechanics. You will be working on a highly relevant mining method with the potential to become a significant mass mining method in the 21st century enabling you to further develop your skills on underground mining and rock mechanics, project acquisition, project management, and teaching. Lastly, this position should allow you to further advance your academic career by doing a habilitation.

The Montanuniversitaet Leoben offers its employees an attractive and appreciative working environment:

- You live in Leoben, in the heart of Austria and Europe – in a safe and clean environment and have a job in an attractive location with a wide range of cultural and leisure opportunities.
- We offer you a company-owned car park, as well as e-charging stations and good connections to local and long-distance public transport.
- We attach great importance to appreciative and supportive teamwork as well as an extended induction phase. Furthermore, annual appraisal interviews are held between employees and supervisors.
- As a part of your employment, you are covered by full health and supplementary pension insurance and can take advantage of our health services (occupational physician, free preventive medical check-ups, health day, vaccination campaigns...). The University Sports Institute offers numerous sports and fitness courses at its own employee rate.
- We also have a company canteen with freshly prepared meals every day and numerous discounts with various trade partners and voucher campaigns.

For further inquiries please contact:

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Reference number: 2310WPC

Application deadline: 31 October 2023

The Montanuniversitaet 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>

Der Rektor:

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

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