Mitteilungsblatt
der Montanuniversität Leoben

Montanuniversität Leoben

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230. Job Advertisement – The Chair of Energy Network Technology in the Department of Environmental and Energy Process Engineering has a position for a full-time University Assistant (m/f/d) – Reference number: 2605WPB

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 Energy Network Technology in the Department of Environmental and Energy Process 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 start**
Term of employment: **4 years**
Hours of employment per week: **40 hours per week**

Responsibilities:
The transition of the energy system towards climate neutrality requires, particularly in industrial applications, the use of renewable energy sources, hydrogen, and Carbon Capture, Utilization and Storage (CCUS). For many energy- and emission-intensive industrial processes, the conditions under which different technological pathways are systemically, economically, and infrastructurally feasible are not yet fully understood.
To address these challenges, the Technical University of Leoben is establishing the interdisciplinary Doctoral School “CCUS & Hydrogen Systems Engineering School (CHESS)”. The Doctoral School comprises five closely coordinated PhD theses that together investigate CCUS- and hydrogen-based transformation pathways across material, process, and energy system levels. The projects are embedded at several chairs of Technical University of Leoben and are jointly coordinated within the Excellence Cluster Energy.
CHESS provides doctoral researchers with a structured research framework, close scientific supervision, and interdisciplinary exchange across the participating disciplines. The aim is to develop robust transformation pathways for industry and energy systems and to further strengthen Technical University of Leoben as a leading institution in hydrogen and CCUS research.

Your Responsibilities:
- Development and application of a sector-coupled energy system model to analyze the impact of hydrogen- and CCUS-based decarbonization strategies on the structure and evolution of future energy systems
- Modelling and analysis of energy infrastructures, especially for H2 and CO2, under consideration of regional structures, industrial demands, and different storage technologies, including geological storage of CO2 and hydrogen
- Identification of robust system configurations and infrastructure strategies
- Recommendations for the long-term development of climate-neutral energy systems and corresponding infrastructure pathways
- Close scientific collaboration with the partner PhD projects within the Doctoral School and integration of technological and process-related insights into the system-level analysis

- Publication of research results in peer-reviewed international journals and presentation at scientific conferences
- Contribution to teaching activities and support in the supervision of students

Employment requirements:
- Completed Master's or Diploma degree in Energy Engineering, Process Engineering, Mechanical Engineering, or an equivalent field
- Confident use of MS Office
- Willingness to program and to familiarize yourself with new tools and methods
- Good command of English; German language skills are an advantage

Desirable additional qualifications:
- Structured, independent, and solution-oriented working style
- Strong ability to work both independently and as part of an interdisciplinary team
- Strong interest in scientific research and problem-solving

We offer numerous benefits, including:
- 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: 2605WPB
End of Application: 11.06.2026

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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