

4. Job Advertisement – One vacant position for a full-time University Assistant (m/f/d) at the Chair of Petroleum and Geothermal Energy Recovery, in the Department Petroleum Engineering
Reference ID: 2309WPD

One vacant position for a full-time University Assistant (m/f/d) at the Chair of Petroleum and Geothermal Energy Recovery, in the Department Petroleum Engineering at the earliest possible date in a 4-year term of employment. Salary Group B1 according to the Uni-KV, monthly minimum salary excl. Szlg.: € 3.277,30 for 40 hours per week (14 x per year), actual classification is according to previous relevant experience.

Description:

Energy and environmental aspects of geoscience remain the greatest challenges that our society will face in the coming decades. To provide a numerical tool for energy transition (e.g. underground energy storage) and environmental protection (e.g. sub-surface integrity), we develop an open-source finite element code that enables us to simulate multi-physical processes in sub-surface such as fluid and heat transport, rock deformation and failure, and reactive transport. We are looking for a person who will further advance the method with either of the following topics:

- crack propagation in porous materials
- multi-phase/multi-component flow
- multi-scale modeling

Requirements:

- Engineering degree in one of the listed fields: Mechanical Engineering, Civil Engineering, Petroleum Engineering, Applied Mathematics, Physics, Computational Science
- Familiarity with numerical methods for solving PDE systems

Desired qualifications:

- Good communication skills in English and team working capabilities
- Experience in object oriented programming
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End of Application: 25.10.2023

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:
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