
The Engineering Geology group at the Institute of Applied Geosciences at TU Darmstadt is looking for a

Post-doctoral Researcher (all genders) in Reservoir Simulation

The employment is limited to three years and should preferably start on October 1st, 2022.

You will work within the framework of a project on the underground storage of hydrogen funded by the Federal Ministry of Economics and Climate Protection (BMWK). The interdisciplinary project is carried out in cooperation with partners from several universities and industry. The work at the TU Darmstadt is aimed at a potential study for two nearly depleted natural gas fields in northern Germany with regard to their suitability for storing hydrogen.

Your tasks

- thermal-hydraulic-mechanical (THM) coupled modeling on the reservoir scale
- dynamic modelling with H₂
- model interpretation
- presenting and publishing the research results

Your qualification

- doctorate/PhD in Reservoir Engineering, Geology, Geophysics or a related field
- comprehensive knowledge of software Petrel, Eclipse, and ideally Visage (Petrel Reservoir Geomechanics)
- social competence, organisational skills, high motivation
- very good English and ideally German language skills

The fulfillment of the duties likewise enables the scientific qualifications of the candidate. Opportunity for further qualification (habilitation) is given.

The Technische Universität Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technische Universität Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. You can find our privacy policy on our webpage.

Please send your application with curriculum vitae, copies of degree certificates and a letter of motivation in electronic form (summarised in a single pdf file) to Prof. Dr. Andreas Henk (henk@geo.tu-darmstadt.de), quoting the identification number.

If you are interested in further information please contact Prof. Dr. Andreas Henk (henk@geo.tu-darmstadt.de).

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