

We offer a

PhD Position in Reservoir Exploration

at the Institute of Applied Geosciences, Division of Geothermal Research at KIT.

The position is on the focus at our Research Division (<http://www.agw.kit.edu/251.php>) and placed at the interface between reservoir-engineering and reservoir exploration of geothermal fields. Our projects are often conducted in an international context and expand from a local to worldwide systems. As such, our long-lasting expertise in South America is of high importance for enhancing geophysical and geochemical exploration methods as well as the simulation of coupled thermal-hydraulic-mechanical-chemical processes.

We invite applications for a **geoscientist (f/m) in geothermal exploration participating in the development of a geothermal desalination pilot project in Chile**. The employment contract is limited to 3 years with a possible extension of time. The salary is based upon the salary frame agreement for the Public Service sector (TV-L) and advertised for 75%. Project and employment is foreseen for 1st Jan. 2018. The place of employment is Karlsruhe.

Your tasks

We are looking for an enthusiastic PhD student, who will join our international research team for participation in the bi-national BrineMine research project. Within this project we will collaborate with our project partners in Germany (Fraunhofer, GTN,...) and Chile (CEGA, CSET,...) to install a desalination pilot plant running with geothermal energy supply. The work requires high organizational skills and encompasses tasks to be conducted in Chile like:

- Application of geochemical (i.e. hot spring fluids) and geophysical (i.e. magnetotellurics) methods
- Participation in economic geology for mineral extraction from geothermal brine
- Collaboration in the installation of a desalination pilot system

Required qualifications

- Excellent MSc's degree in Geosciences and profound English language skills
- Ability for independent organization of field campaigns in Chile

Experience in exploration techniques is beneficial as well as the willingness to acquire Spanish and German language skills in this international and interdisciplinary team.

KIT is an equal opportunity employer. Women are especially encouraged to apply. Applicants with disabilities will be preferentially considered if equally qualified.

Applications should contain a letter of application and a standard CV including a list of your publications. Please send your application to **Karlsruhe Institute of Technology (KIT) – Campus South, Prof. Dr. Thomas Kohl, Institute of Applied Geosciences, Division of Geothermal Research, Adenauerring 20B, 76131 Karlsruhe, Germany** or **via email to silke.schlichting@kit.edu**.

For general details, please contact Sebastian Held (Sebastian.held@kit.edu), Tel.: +49 721 6084-5047.