

## PhD positions

### Numerical Simulation of geothermal energy reservoirs

In the framework of the newly founded **Bochum Graduate School on Applied Research on Geothermal Energy Systems (AGES)** ([www.geothermiezentrum.de/bochum-graduate-school-ages.html](http://www.geothermiezentrum.de/bochum-graduate-school-ages.html)) the **Institute for Structural Mechanics at Ruhr University Bochum** is seeking to fill 2 PhD positions in the areas

- Scale traversing modeling and numerical simulation of geothermal (fluid-induced fracturing) stimulation processes in geological materials
- Numerical modeling of the long-term behavior of petrothermal reservoirs considering leaching processes.

The PhD candidates perform research in cross-linked, institution spanning and interdisciplinary working groups at an excellently equipped location for geothermal research, with another PI of AGES acting as the second supervisor. We are looking for applicants with a degree (MSc or comparable) in engineering or geoscience, with a strong background in solid and structural mechanics and interest in modern numerical analysis methods.

Funding is currently secured until December 31st 2015. The positions are compensated according to TV-L 13 (75%). A task specific upgrade to 100% is possible. The host institutions of AGES (Ruhr University Bochum (RUB) and Hochschule Bochum (HSBO)) are equal opportunity employers and encourage female scientists and scientists with disabilities to apply.

Please direct queries to Prof. Dr. Günther Meschke, Tel. +49 234 32 29051 and via e-mail to [guenther.meschke@rub.de](mailto:guenther.meschke@rub.de).

Applications with a resume, statement of individual research interests, and contact details of two referees should be send to: International Geothermal Center c/o Hochschule Bochum, Frau Christine Toutain ([christine.toutain@hs-bochum.de](mailto:christine.toutain@hs-bochum.de)), Lennershofstraße 140, D-44801 Bochum, with cc to [guenther.meschke@rub.de](mailto:guenther.meschke@rub.de) not later than **February 15th, 2013**. Please express your specific interest in one of the abovementioned topics in the application.

