



The **Federal Waterways Engineering and Research Institute (BAW)** is the most important institute providing advice and support services in waterways engineering and is essential for planning, building and operation of Federal waterways.

Our work contributes considerably to meeting the needs of growing traffic, technical and ecological needs of Germany's waterways. We possess comprehensive expertise and experience in the field of waterways engineering, and are a major contributor to the further development of this discipline. Working with BAW means

- State-of-the-art equipment and infrastructure
- Exciting and challenging projects
- Excellent teams
- Self-dependent acting

When building in and at waterways, the interaction of soil and water – surface water as well as pore water – is a key issue in nearly all projects. The department of geotechnical engineering addresses especially its influence on the inner and outer stability of the ground and thus on the stability of earth structures and foundations. For the simulation and prognosis of the effects of such interactions we use numerical methods which are under continuous development.

The department "Geotechnical Engineering", invites applications for a

Research Associate / Post-Doc Scientist (m/f)

Main focus: Civil Engineering, Geoscience or Physics

Reference number: 201020679. The place of employment is Karlsruhe/Germany.

The position is offered for three years, starting as soon as possible.

Activities:

- Development and application of numerical tools for fluid-solid interaction in geotechnical problems
- Working on questions regarding the interaction of water and soil for the numerical modelling of transport and deformation processes
- Participation in planning, implementation and interpretation of lab-scale experiments
- Preparing expertises, publications and presentations

Requirements:

- Master degree or PhD
- Advanced knowledge in geotechnical and hydraulic numerical methods
- Readiness for business travels
- Interest in interdisciplinary work
- Knowledge of English (fluent, spoken and written), willingness to learn or knowledge of German
- Confident appearance, ability to work independently, social and communicative skills

The payment depends on qualification and experience according to a civil service position in TVöD.

The position is in principle suitable for a part-time employment.

In the case of equal suitability, ability and professional achievement, female candidates will be given preference according to the Federal Equal Opportunities Act.

Disabled persons will be considered preferentially in case of equal aptitude.
Only a minimum of physical capacity is required.

Please send your written meaningful and complete application documents in copy to the address mentioned below **until August 24, 2012**

Please note that there will be no return of the documents.

Please note that it is absolutely necessary to indicate the **reference number 20120679** (without the reference number a handling of the application will not be possible).

Dienstleistungszentrum für Personalgewinnung und
Organisationsangelegenheiten im Geschäftsbereich des Bundesministeriums für
Verkehr, Bau und Stadtentwicklung, Schlossplatz 9, 26603 Aurich, Germany

For further information please contact Dr. Heibaum in the Federal Waterways Engineering and Research Institute, phone: +49-721-9726-3820.

<http://www.baw.de>

<http://jobboerse.bmvbs.de>