

## Post-Doc or PhD Position

A 36 months Post-Doc or PhD research position with a start date of December 2012 is offered at the Institute for Geotechnical Engineering and Construction Management, Hamburg University of Technology (TUHH). The work will be part of the research project "Stability and Behaviour of Temporary Submarine Foundation Pits" for Offshore Wind Energy Converters (OWEC), founded by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety. Project partners include Franzius-Institute for Hydraulic, Waterways and Coastal Engineering, Leibniz University Hannover; Danish Hydraulic Institute (DHI); and STRABAG Offshore Wind GmbH.

Key aspects of research activities will contain planning, coordination, execution and analysis of in-situ offshore and laboratory measurements as well as use, evaluation and improvement of numerical analysis concerning water-soil interaction. A sophisticated constitutive model is to be implemented in an existing Smoothed Particle Hydrodynamics (SPH) approach and validated against the measurement results.

The candidate should have a high classification degree respectively a completed PhD in civil engineering, geology or other relevant subject. Programming skills are expected, particularly in relation with constitutive models or SPH. Good English skills with the ability to write articles in English and at least basic knowledge in German are essential. The first year monthly net wage ranges between approx. 1,900 € (PhD Position; labour agreement: TV-L 13) and approx. 2,200 € (Post-Doc with professional experience; TV-L 14, 2nd step).



### Application

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Institut für Geotechnik und Baubetrieb  
Prof. Dr.-Ing. Jürgen Grabe  
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### Contact and Information

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