

**Faculty of Engineering Science and Technology  
Department of Civil and Transport Engineering**

**Post-doc position: Geotechnics for Offshore Wind Turbines**

The Department of Civil and Transport Engineering, Norwegian University of Science and Technology (NTNU) announces 1 vacant post-doc position for 2 years in Geotechnical Engineering within the research program “Geotechnics for Offshore Wind Turbines”. The position is funded by DNV.

The Department has responsibility for the following disciplines: Building and Material technology, Geomatics, Geotechnical Engineering, Marine Civil Engineering, Project Management and Construction Engineering and Road and Transport Engineering. The department has 18 full time professors, 12 adjunct professors, 13 associate and assistant professors and about 70 PhD candidates.

The Geotechnical Engineering Group at NTNU works within advanced soil testing in a well equipped laboratory and in the field. The group is strong in constitutive modeling and numerical simulations aiming for practical design. A research activity with industrial support from DNV and Statoil on Geotechnics for Offshore Wind Turbines is about to be established involving professors, PhD candidates and this post-doc position. The aim is cost-effective, reliable wind turbine solutions with focus on bottom fixed offshore wind turbines for water depths from 15 to 100 meters. The research will be on soil structure interaction under cyclic loading from wind and waves. The activity shall contribute to bridging the gap between research and practice, including work on rules and recommendations for design. Interdisciplinary work will be important, involving cooperation with marine technology, hydrodynamics and marine operations.

The post-doc position is part of this initiative. A recent PhD in soil mechanics or a related field is required. Qualifications include a strong background in civil engineering and continuum mechanics. The detailed tasks of the post-doc will be decided upon depending on the applicant’s interests, qualifications and the needs of the research team. The research will be carried out in close cooperation with industry and the Centre for Environment-friendly Energy Research, Nowitech.

For further information about this post-doc position, please contact Professor Steinar Nordal, e-mail: [steinar.nordal@ntnu.no](mailto:steinar.nordal@ntnu.no), ph. +47 73 59 45 94.

Post doctors follow code 1352, grade 57-76, gross NOK 438 500 to NOK 630 200 per annum (before tax). Post doctors are normally remunerated at wage level 57. There will be a 2 % deduction to the Norwegian Public Service Pension Fund from gross salary.

The position adheres to the Norwegian Government’s policy of balanced ethnicity, age and gender. Persons with immigrant background are encouraged to apply. NTNU’s objective is to increase the number of females in scientific positions. Female applicants are therefore encouraged to apply.

Within the application deadline, applicants should submit (in English): The application, a CV, certified copies of certificates of education and other relevant documents, three referees with e-mail addresses and phone numbers.

Applications, marked **IVT-15/11**, with attachments should be submitted electronically through [www.jobbnorge.no](http://www.jobbnorge.no). Preferably, we want the attachments in one single file. Application deadline: 30 April 2011.