

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

Professorship/Qualification Fellowship in Civil and Transport Engineering (Offshore Foundations for Wind Energy)

The Department of Civil and Transport Engineering in the Faculty of Engineering Science and Technology, at the Norwegian University of Science and Technology (NTNU) announces the following vacant professorship/qualification fellowship in Civil and Transport Engineering (Offshore Foundations for Wind Energy). The Department has at present 18 professors, 14 adjunct professors, 13 in other academic positions and about 70 doctoral candidates.

The Department has responsibility for the following disciplines: Building and Material Technology, Geomatics, Geotechnical Engineering, Marine Civil Engineering, Project Management and Construction Engineering, Road and Transport Engineering. For more information about the department see <http://www.ntnu.edu/bat>

The professor is joining the Geotechnical Engineering Group with a particular responsibility for research and teaching within the area of Offshore Foundations for Wind Energy. The position is part of a joint academia-industrial initiative, and the position is financed by Statoil for a period of 5 years, thereafter by NTNU. DNV will finance an accompanying post doc position in Offshore Foundations for Wind Energy, separately announced.

The professor will be responsible for building a research group that contributes to safe, economical and creative solutions for bottom fixed offshore wind turbines. The research group to be established will closely interact with the existing Geotechnical Engineering Group at NTNU which works within advanced soil testing in a well equipped laboratory and in the field and advanced numerical simulations for practical design. The research will be part of a multidisciplinary effort within marine technology, hydrodynamics, structural engineering and material science and will be carried out in close cooperation with industry and the Centre for Environment-friendly Energy Research, Nowitech.

The position may alternatively be defined as a qualification fellowship for a period of no longer than 3 years. Within this 3-year limit, the duration of the appointment is dependent on the length of time it will take for a fellowship holder to obtain professorial qualifications. There are normally no compulsory tasks linked to such appointments, but if there should be an acute need at the University, specific duties can be stipulated when the appointment is made or during the period of the fellowship. If this eventuality makes it difficult for the fellow to obtain professorial qualifications within the period of the fellowship, the Senate can extend the fellowship period, but this cannot exceed a 3.5-year total period for the position. At the end of this period of appointment, the candidate has the right to be evaluated for permanent employment as a professor prior to a new announcement being made for a vacant professorship.

The successful applicant for a professorship must be able to document his/her extensive disciplinary qualifications in important fields within the discipline. His/her individual work must document scientific expertise in one or more parts of the discipline, particularly the

specialist fields the Professorship has specific responsibility for. Weight will be placed on the ability to supervise and initiate research and development work.

Weight will be placed on pedagogical skills. The evaluation of the candidate will be based on documented pedagogical material, including pedagogical education/training, the presentation of academic work, experience from supervising masters-level students and doctoral candidates, and teaching as well as other pedagogical matters. The evaluation will consider both the quality and the scope.

Academic staff who are employed without having a formal pedagogical qualification in university-level teaching and are unable to document equivalent qualifications, are required to successfully complete a recognized course that gives a pedagogical qualification in university-level teaching within two years of taking the appointment. The University offers such courses.

The applicants that have been short-listed will be invited for interviews and a demonstration of their pedagogical ability, usually in the form of a trial lecture.

The Professor is to be jointly responsible for disciplinary matters together with other academic staff in the Department. The Professor is required to participate in teaching activities in accordance with the relevant curriculum and assist in further developing the teaching programme, including continuing education. The Professor is to supervise masters students, research fellows and doctoral candidates in his/her discipline. The Professor must agree to participate in administrative work.

The Professor is obliged to follow the regulations that concern changes and developments within the discipline and/or the organizational changes concerning activities at the University.

It is assumed that newly-employed staff in academic positions who do not already master a Scandinavian language are to obtain within three years knowledge of Norwegian or another Scandinavian language at an equivalent standard to level three in the Norwegian for Foreigners courses provided at the Department of Applied Linguistics. The University provides such courses.

The appointment is to be made in accordance with the regulations in force concerning State Employees and Civil Servants.

NTNU would like to increase the percentage of female scientists in academic positions, and its policy is outlined in its equal opportunities plan. The following initiatives are relevant here: Start package for women in male-dominated fields. Qualification scholarships and mentor program for women in academic positions.

The position adheres to the Norwegian Government's policy of balanced ethnicity, age and gender. Persons with immigrant background are encouraged to apply.

The position as professor is remunerated according to wage levels 67 to 98 on the Norwegian State salary scale, with gross salary from NOK 538 700 to NOK 1 106 200 per annum. There will be a 2 % deduction to The Norwegian Public Service Pension Fund from gross salary.

Further details about the Professorship can be obtained from Professor Steinar Nordal, tel. +47 73 59 45 94, email steinar.nordal@ntnu.no.

Applicants are asked to give an account of their pedagogical qualifications according to prepared guidelines ("Documentation of an applicant's pedagogical qualifications") which can be obtained from the following address on internet:

http://www.ntnu.no/administrasjon/avdelinger/personal/momentliste_ped_kval_e.html

Each applicant for the position must send 5 copies of the application with certified copies of certificates, testimonials and a list of academic work, and 5 sets of their:

Academic work - published or unpublished - that has relevance to the evaluation of the applicant's qualifications by the evaluation committee (not more than 10 such submissions).

A description of all the academic work that the applicant feels is most significant and that he/she feels the evaluation committee should pay particular attention to.

A list of all publications with bibliographical references.

Joint work will be evaluated. If it is difficult to identify the contributions from individuals in a joint piece of work, applicants are to enclose a short descriptive summary of what he/she did in this connection.

Applications are to be sent to the Norwegian University of Science and Technology, Faculty of Engineering Science and Technology, 7491 Trondheim. The file number for the position **(IVT-14/11)** is to be clearly stated on the application. The application deadline is 30 April 2011.