

NTNU - knowledge for a better world

The Norwegian University of Science and Technology (NTNU) creates knowledge for a better world and solutions that can change everyday life.

PROFESSORSHIP IN GEOMATICS (3D DATA ACQUISITION AND DIGITAL MODELLING) (IV-108/17)

The Department of Civil and Environmental Engineering in the Faculty of Engineering Science, at the Norwegian University of Science and Technology (NTNU) announces the following vacant Professorship in Geomatics (3D data acquisition and digital modelling). The Department has at present 26 professors, 18 adjunct professors and approximately 90 research fellows.

The Department of Civil and Environmental Engineering provides competence and technological solutions within the areas of civil and transportation engineering, geomatics, structural engineering, water and wastewater engineering, and hydraulic engineering. Students and researchers graduating from our programs provide our partners with sustainable and competitive expertise, for application in both the public and private sectors.

The professorship has a special responsibility for education and research in methods and technology related to acquisition of 3D data for digital modelling. The masters in geomatics at NTNU is a part of the Engineering and ICT program, and at NTNU there is a strong connection between geomatics and computing science. The position will also have responsibilities related to basic education in geomatics within the program for Civil and Environmental Engineering.

The position requires expertise in geomatics, considerable knowledge about relevant computer technology, and special competence in 3D data acquisition and digital modelling. This includes one or several of these fields: LIDAR, image based 3D data collection (for example by the use of drones), remote sensing, data flow through the complete process from data acquisition to various use of the data.

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 also 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 with a minimum gross salary from NOK 605 400 per annum. Normally the position is remunerated with a minimum gross salary from NOK 666 9000 to NOK 784 600 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 Terje Midtbø, tel. +47 73 59 45 81 , email: terjem@ntnu.no.

Applicants are asked to give an account of their pedagogical qualifications according to prepared guidelines ("Documentation of applicant's pedagogical qualifications") which can be obtained from the following address on internet: <http://www.ntnu.no/ledigestillinger/pedagogiske-kvalifikasjoner>

The following documents must be enclosed with the application:

- Certified copies of certificates, testimonials and a list of academic work.
- 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.

Applicants are asked to submit the application in English with regards to the evaluation process.

Applications are to be submitted via the link on this page. The file number for the position (IV-108/17) is to be clearly stated on the application.

The application deadline is 20 May 2017.

Jobbnorge ID: 137281, Deadline: Closed