



Associate Professor in Construction Engineering (IV-43/20)

About the position

We have a vacancy for an Associate Professor in Construction Engineering.

The position covers rock blasting technique, rock excavation in surface and underground operations, tunnelling, earth moving and similar.

The position reports to Head of Research Group.

Main duties and responsibilities

- Teaching and research within the field of Construction Engineering.
- Important topics of the research area are planning and construction of tunnels, underground spaces and surface rock excavations.
- Including excavation methods, equipment, capacity and cost models, quality, HES, digitalization, resource efficiency and environmental impact.
- General focus on design and optimization of construction works with regard to technical, economic and environmental performance.
- Use of ICT and experimental investigations in the laboratory and in the field has high priority.
- Cooperation with other research groups in construction engineering, as well as the Norwegian construction industry, in order to develop new methods and applications of construction engineering.

If all other matters are equal in the evaluation of candidates, weight will be placed on documented experience from and/or research cooperation with the construction industry.

Qualification requirements

Associate Professor:

The position of Associate Professor requires university education at doctoral level in Construction Engineering or equivalent and demonstrable academic excellence in the relevant subject area.

Emphasis will be placed on ability and experience in initiating and leading research and development of the field of area. Strong emphasis will be placed on publication of research results in recognized international journals within the subject area. Particular focus is placed on academic work during the past five years, excluding statutory leave (depending on the disciplinary tradition).

Other requirements:

The successful applicant will be expected to deliver high-quality teaching at undergraduate and postgraduate levels, and undertake supervision of Masters and Doctoral candidates. Evaluation of these skills will be based on documented experience and relevant teaching qualifications. Applicants with teaching experience at university level are preferred. Quality and breadth of the teaching qualifications will be evaluated.

Those who do not have formal qualifications in teaching at university level and who cannot provide documentation of equivalent qualifications must complete [an approved pedagogical development programme](#) within two years of appointment.

It is a prerequisite that within three years of appointment, new employees who do not speak a Scandinavian language can demonstrate skills in Norwegian or another Scandinavian language equivalent to level three in the course for Norwegian for speakers of other languages at the Department of Language and Literature at NTNU.

Please see [the Regulations concerning appointment and promotion to teaching and research posts](#) for general criteria for the position. NTNU is committed to following evaluation criteria for research quality according to [The San Francisco Declaration on Research Assessment - DORA](#).

Personal characteristics

- Honesty and high ethical standards
- Contributes actively to a good working environment
- Good communication skills

In the assessment of the best qualified applicant, education, experience and personal suitability will be emphasized, as well as motivation for the position.

We offer

- exciting and stimulating tasks in a strong international academic environment
- an open and inclusive work environment with dedicated colleagues
- favourable terms in the [Norwegian Public Service Pension Fund](#)
- [employee benefits](#)

Salary and conditions

The gross salary for the position of Associate Professor code 1011 is normally from NOK 524 200 - 893 900 before tax per year, depending on qualifications and seniority. From the salary, 2 % is deducted as a contribution to the Norwegian Public Service Pension Fund.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants, and the acts relating to Control of the Export of Strategic Goods, Services and Technology. Candidates who by assessment of the application and attachment are seen to conflict with the criterias in the latter law will be prohibited from recruitment to NTNU. After the appointment you must assume that there may be changes in the area of work.

The person appointed must live in a location enabling him/her to be present at and available to the institution.

About the application

The application and supporting documentation to be used as the basis for the assessment must be in English.

The application must include (Departments to choose from the following):

- CV, certificates and diplomas
- Academic works - published or unpublished - that you would like to be considered in the assessment (up to 10 works)
- A description of the academic/artistic works that you regard as most relevant and that you particularly want to be taken into account in the assessment
- Name and address of three referees
- Research plan
- Details of teaching qualifications based on "[Documentation of applicant's teaching qualifications in connection with appointment to an academic position at NTNU](#)"

Joint works will be considered. If it is difficult to identify your contribution to joint works, you must attach a brief description of your participation.

When the application deadline has passed, a shortlisting committee will evaluate all applications. The best qualified applicants will then be considered by an external appointments panel and the most suitable applicants will be invited to interview and to deliver a lecture to undergraduate students.

General information

A good work environment is characterized by diversity. We encourage qualified candidates to apply, regardless of their gender, functional capacity or cultural background. NTNU wishes to increase the proportion of women in its academic positions, and women are therefore encouraged to apply.

Under the Freedom of Information Act (offentleglova), information about the applicant may be made public even if the applicant has requested not to have their name entered on the list of applicants.

Questions about the position can be directed to Professor Amund Bruland, telephone +47 9709 3253 email amund.bruland@ntnu.no.

Submit your application with your CV, diplomas and certificates via jobbno.no. Applicants invited for interview must bring certified copies of certificates and diplomas. Mark the application with reference number:IV - 43/20

Deadline for applications: 01.03.2020

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

Department of Civil and Environmental Engineering

We conduct research and teaching in civil and transportation engineering, technical planning, structural engineering, water and wastewater engineering and hydraulic engineering. Graduates from our programmes become employees - in both the public and private sectors - with a sustainability mindset combined with competitive knowledge and skills. [The Department of Civil and Environmental Engineering](#) is one of eight departments in the [Faculty of Engineering](#).

Jobbnorge-ID: 180487, Søknadsfrist: 1. mars 2020