



# Professor/Associate professor in Software Quality including Software Security

## About the position

We have a vacancy for the position of associate professor/professor at the Department of Computer Science (IDI).

We are recruiting in the core areas of software security and software quality as part of software engineering.

Special consideration will be given to applicants specializing in the related fields of software security, software verification & validation, and formal aspects of software engineering.

The position reports to the head of department.

## Main duties and responsibilities

Software engineering research at the Department of Computer Science of NTNU covers many subfields, e.g., requirement engineering, agile methods, software design and development, programming language, software games, software and art, software security, software reliability and safety, software engineering education, and software and society. Many of our research projects are conducted using empirical methods, e.g., surveys, case studies, and experiments. Most of our research projects collaborate closely with both the public sector and industry. We expect the candidate can initialize and lead software engineering research. We also expect that the candidate will take a leading role in research-based education, which includes teaching and course development for Bachelors, Masters and Ph.D. students within software engineering, software security, and software quality at IDI.

## Qualification requirements

The position of Professor requires university education at doctoral level and demonstrable academic excellence within software engineering, with specific focus on software quality, including software security.

The applicant's research must be documented and of high, international quality, showing both breadth and depth. Research activity and output must demonstrate an independent research profile and the ability to take up new research issues. Continuous research activity is a prerequisite for professorial positions. Strong emphasis will be placed on the publication of research results in recognized international journals within the subject area. The greatest emphasis is placed on academic work undertaken during the past five years, exclusive statutory leave.

Emphasis will be placed on ability and experience in initiating and leading research and development of the field of area, and in obtaining external funding for research. Emphasis will also be placed on a documented commitment to teaching, development of teaching materials, and supervision of students at all levels.

The position of Associate Professor requires university education at doctoral level in software engineering, with specific focus on software quality including software security. Demonstrable scientific competence at least at doctoral level is required 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, exclusive statutory leave (depending on the disciplinary tradition).

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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.

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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

- Independent
- Result-oriented
- Collaborative
- Good relationship with students
- Creative
- Strong motivation to contribute to good working and social environment

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 Professor code 1013 is normally from NOK 619 300 - 1 226 400 before tax per year, depending on qualifications and seniority. The gross salary for the position 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:

- 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](#)"
- Details of the projects you have managed, with information about funding, duration and size

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 Associate Professor Jingyue Li, telephone +47, 9189 7446, email [jingyue.li@ntnu.no](mailto:jingyue.li@ntnu.no), or Head of the Department Professor John Krogstie, email: [john.krogstie@ntnu.no](mailto:john.krogstie@ntnu.no).

Submit your application with your CV, diplomas and certificates via [jobbno.no](http://jobbno.no). Applicants invited for interview must bring certified copies of certificates and diplomas. Mark the application with reference number: 2019/14326.

Deadline for applications: 31.08.2019.

## NTNU - knowledge for a better world

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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 Computer Science

We are the leading academic IT environment in Norway, and offer a wide range of theoretical and applied IT programmes of study at all levels. Our subject areas include hardware, algorithms, visual computing, AI, databases, software engineering, information systems, learning technology, HCI, CSCW, IT operations and applied data processing. The Department has groups in both Trondheim and Gjøvik. The [Department of Computer Science](#) is one of seven departments in the [Faculty of Information Technology and Electrical Engineering](#) .

Jobbnorge-ID: 170981, Søknadsfrist: Søknadsfristen er gått ut