

Jobbnorge-ID: 221358
Søknadsfrist: 24.04.2022
Nettside: <http://www.ntnu.no>
Omfang: Heltid
Varighet: Fast

NTNU has an opening for an associate professor in applied computer science with concentration on databases, data management, and software development at the department of computer science.

Associate professor in applied computer science

This is NTNU

NTNU is a broad-based university with a technical-scientific profile and a focus on professional education. The university is located in three cities with headquarters in Trondheim.

At NTNU, 9,000 employees and 42,000 students work to create knowledge for a better world.

Video: <https://www.youtube.com/watch?v=WWHgR5i1FHE>

About the job

NTNU has a vacancy for an associate professor in applied computer science with concentration on databases at the department of computer science in Gjøvik.

We are recruiting academic staff in databases, data management, and software development. The main workplace will be in Gjøvik.

You will report to the head of department.

Responsibilities

- The successful applicant is expected to play a leading role in research and research-based education related to the research field in close collaboration with existing staff at the department of computer science.
- The successful applicant is expected to engage in applications for external funding, e.g., from the Research Council of Norway, European research and educational agencies, the industry sector, and other available sources.
- The applicant is expected to contribute to the department's educational profile and an excellent learning environment in collaboration with colleagues, students, and external stakeholders. He/she should supervise BSc students, MSc students, PhD candidates and postdoctoral fellows.
- In addition to research and education, the applicant is expected to disseminate relevant parts of his/her research to a wider audience (public outreach).
- The successful applicant will also participate in the management of research, education, and other relevant academic activities in agreement with the Head of Department.

Required qualifications

You must have the qualifications required for the position of associate professor in the field of computer science, as outlined in [the regulations concerning appointment and promotion to teaching and research posts](#)

In addition:

- Your PhD, or comparable academic work, must be within the field of computer science, software engineering, or a comparable, relevant field.
- If you can document that you are in the final stages of your PhD studies, your application may also be considered.
- You have a strong background and expertise in applied computer science, including databases, data management, and software development.
- You have experience and potential in teaching, research, and scientific output
- You can teach courses in our bachelor and master programs, especially database, software development and programming courses.
- You are committed to excellence in teaching and student mentoring.
- You can lead, conduct, consult and collaborate in research projects within applied computer science.
- You have good communication skills, both oral and written in English.

You must document relevant basic competence in teaching and supervision at a university/higher education-level, as referenced in the Norwegian national [Regulations](#). If this cannot be documented, you will be required to complete an approved course in university pedagogy within two years of commencement. NTNU offers qualifying courses.

New employees who do not speak a Scandinavian language by appointment is required, within three years, to demonstrate skills in Norwegian or another Scandinavian language equivalent to level three of the [course for Norwegian for speakers of other languages at the Department of Language and Literature at NTNU](#).

Preferred qualifications

- Teaching experience from higher education
- Good oral and written communication skills in a Scandinavian language
- Demonstrated interest in innovative teaching
- Database application development experience, including working with relational and noSQL databases (such as graph databases, document databases, RDF databases, and time series databases), distributed databases, XML and XML tools, GraphQL, cloud, REST APIs, database application testing and database application security, and state-of-the-art programming languages and environments.
- Interest in collaboration with data scientists

Personal qualities

- Team player
- Initiator
- Problem solver and result oriented
- Good communicator and relationship builder
 - Communicates information with clarity and ease, both orally and in writing
- Planning
 - Develops comprehensive and realistic plans with both short- and long-term time horizons
 - Decides how progress towards goals will be compared, and coordinates resources
- Flexible mindset to work on both fundamental and applied research related to data management and database application development

We offer

- exciting and challenging 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

A position as Associate Professor (code 1011) will typically receive a gross salary of between 560 000 NOK - 760 000 NOK per year, depending on qualifications and seniority. As required by law, 2% of this salary will be deducted and paid into the Norwegian Public Service Pension Fund.

Employment will be granted in accordance with the principles outlined in 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 criteria in the latter law will be prohibited from recruitment to NTNU. Applicants should be aware that there may be changes in the working environment after employment has commenced.

It is a prerequisite that you be able to be present and accessible at the institution daily.

Application Process

You can find more information about working at NTNU and the application process [here](#).

Video: <https://youtu.be/bwfNPj8HxHw>

About the application

Your application and description of the academic works that will form the basis for assessment must be in English

Please note that your application will be considered based solely on information submitted by the application deadline. You must therefore ensure that your application clearly demonstrates how your skills and experience fulfil the criteria specified above.

If, for any reason, you have taken a career break or have had an atypical career and wish to disclose this in your application, the selection committee will take this into account, recognizing that the quantity of your research may be reduced as a result.

Your application must include:

- CV, diplomas, and certificates
- A teaching portfolio, in which your teaching competence is compiled and presented systematically, (See guidelines for applicants: [Documentation of teaching qualifications in applications and appointments to academic positions at NTNU](#))
- Academic works - published or unpublished - that you would like to be considered in the assessment (up to 5 examples)
- A description of the academic/artistic works that you regard as most relevant and that you particularly want to be considered in the assessment
- A list of your previous works, with details on where they have been published
- A description of contributions made in development projects of relevance to the position, if any
- A research plan (maximum 2 pages)
- A teaching statement (maximum 2 pages)
- Details of projects for which you have served as project manager, including information on financing, duration, and scope
- Name and address of three referees

Joint work will also be considered. If it is difficult to identify your specific input to a joint project, you must include evidence of your contributions.

While considering the best-qualified applicants, we will pay particular attention to personal qualities, your motivation for applying for the position, and your pedagogical skills and qualifications. Our assessment will be based on documented pedagogical material, forms of presentation in your academic works, teaching experience, PhD, and Masters supervision, and any other relevant pedagogical background. Both quality and scope will be taken into consideration.

NTNU is obliged by the evaluation criteria for research quality in accordance with [The San Fransisco Declaration on Research Assessment - DORA](#). This means that we will pay particular attention to the quality and academic range demonstrated by your scientific work to date. We will also pay attention to research leadership and participation in research projects. Your scientific work from the last five years will be given the most weight.

Your application will be considered by a committee of experts. Candidates of interest will be invited to a trial lesson and an interview.

General information

NTNUs personell policy emphasizes the importance of equality and diversity. We encourage applications from all qualified candidates, regardless of gender, disability, or cultural background. NTNU is working actively to increase the number of women employed in scientific positions, and has a number of resources to promote equality.

The city of Gjøvik has a population of 30 000 and is a town known for its rich music and cultural life. The beautiful nature surrounding the city is ideal for an active outdoor life! The Norwegian welfare state, including healthcare, schools, kindergartens and overall equality, is probably the best of its kind in the world.

As an employee at NTNU, you must continually maintain and improve your professional development and be flexible regarding any organizational changes.

In accordance with public law your name, age, job title, and county of residence may be made available to the public even if you have requested not to appear on the public list of applicants. For the sake of transparency, candidates will be given the expert evaluation of their own and other candidates. As an applicant you are considered part of the process and is stipulated to rules of confidentiality.

If you have any questions regarding the position, please contact Professor Rune Hjelsvold, tel. +47 918 60 974, e-mail rune.hjelsvold@ntnu.no. If you have questions regarding the recruitment process, please contact HR at the faculty, e-mail: rekrutteringsteam@ie.ntnu.no. The application and all attachments should be submitted electronically via jobbno.no. If you are invited for an interview, you must bring with you certified copies of all certificates and diplomas.

The application and all attachments should be submitted electronically via jobbno.no. If you are invited to interview, you must bring with you notarized copies of all references and diplomas. Mark your application with reference number: 2022/8977

Application deadline: 24.04.2022

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.

Faculty of Information Technology and Electrical Engineering

The Faculty of Information Technology and Electrical Engineering is Norway's largest university environment in ICT, electrical engineering and mathematical sciences. Our aim is to contribute to a smart, secure and sustainable future. We emphasize high international quality in research, education, innovation, dissemination and outreach. The Faculty consists of seven departments and the Faculty Administration.

Tilleggsinformasjon

Arbeidssted:

Campus Gjøvik 2815 Gjøvik (Gjøvik Kommune)