

Jobbnorge ID: 214614
Deadline: 1/23/2022
Website: <http://www.ntnu.no>
Scope: Fulltime
Duration: Permanent

The Department of Manufacturing and Civil Engineering has an opening for a

Professor/Associate Professor in Manufacturing Automation

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://youtu.be/Xt-yHCN5QS0>

About the job

[Department of Manufacturing and Civil Engineering](#) at [Faculty of Engineering](#), Norwegian University of Science and Technology (NTNU), has a vacancy for a professor/associate professor in Manufacturing Automation at campus Gjøvik.

The campus is located 120 km North of Oslo. This is an area known for housing many manufacturing companies. Auto parts manufacturing, and the wood processing industry are extremely important to the area.

The Department participates in several research centers, including SFI Manufacturing which is a cross-disciplinary center for research-based innovation for competitive high value manufacturing in Norway. With respect to the wood process industry, NTNU participates in several research programs focusing on new advanced production processes and sustainable manufacturing.

The selected candidate is expected to conduct research in cooperation with national and international academic institutes, research centers and companies.

You will report to the Head of Department.

Responsibilities

The professor/associate professor is expected to play a leading role in the research and research-based education in cooperation with existing staff at the department.

- The successful candidate is expected to initialize and lead research within the field of Manufacturing Engineering with focus (but not limited) on Automation, Digitalization, and advanced use of Robots.
- The candidate is expected to take a leading role in the research-based education including supervision, teaching, and course development for Bachelor, Master and PhD students.
- The candidate is expected to obtain and lead research projects from National and European Union (EU) funding programs.

Required qualifications

- You must have an international research profile with strong publication record.
- Good experience and network within Manufacturing Automation.
- You should demonstrate a potential for direct interactions with industrial partners.
- Ability to initiate an individual and creative research program.
- Long experience in attracting and leading research projects.
- Excellent oral and written English skills.

The experience and qualifications of the applicant will determine whether the candidate may be hired as associate professor, or a full professor. Specific requirements for each category are outlined below followed by requirements common for both categories.

Professor:

The position of professor in the field of Manufacturing Automation requires that you meet the criteria outlined in § 1-2 of [the regulations concerning appointment and promotion to teaching and research posts](#).

- Your 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 (excluding statutory leave) is a prerequisite for professorial positions.
- Ability and experience in initiating and leading research in the field of Manufacturing Automation, and in obtaining external funding for research.

The main emphasis of the overall assessment of your application is on your submitted scientific works. Your scientific experience must be primarily in the field of Manufacturing Automation (or a comparable relevant field).

In addition to formal qualifications in teaching at university level, you must also document:

- The development of the quality of your own teaching and supervision of students over time
- Broad experience as a supervisor, preferably at a master's/PhD level
- Participation in improving the quality of education in a professional environment

Associate professor:

The position of associate professor in the field of Manufacturing Automation requires that you meet the criteria outlined in § 1-4 of the [regulations concerning appointment and promotion to teaching and research posts](#).

- Your PhD, or comparable academic work, must be within the field of Manufacturing Automation (or a comparable relevant field)

Other requirements (applicable to all):

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

- Extensive scientific and technical qualifications in Manufacturing Engineering
- Experience with Automation
- Experience with Applied Robotics
- Experience with Digitalization of Manufacturing Systems
- Extensive and solid experience in EU project development and management
- Experience from automotive and/or wood processing industry
- Oral and written skills in a Scandinavian language

Personal qualities

- Will be able to relay information with clarity and ease, both orally and written
- Will seek out new opportunities at work, initiate activities, and project by working independently
- Will work excellent together with colleagues, students and external stakeholders
- Has the urge to take the extra step to include all students and maintain a good dialogue with them
- Will learn from experience and competence over the duration of employment and from experience and feedback from others

We offer

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

Salary and conditions

The gross salary for the position as professor (code 1013) is normally from NOK 700 000 to NOK 1 000 000 per year, depending on qualifications and seniority, and the gross salary for the position of associate professor (code 1011) is normally from NOK 600 000 to NOK 900 000 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 area of work after employment has commenced.

It is a prerequisite that you are 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 supporting documentation 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
- 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 research plan
- 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 a brief description of your participation.

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 Head of Department Torbjørn Skogsrød, tel. 61135208, e-mail torbjorn.skogsrod@ntnu.no. If you have questions regarding the recruitment process, please contact Amalie Nyeng, e-mail amalie.nyeng@ntnu.no

The application and all attachments should be submitted electronically via jobbnorge.no. If you are invited for an interview, you must bring with you certified copies of all certificates and diplomas. Mark the application with IV-233/21

Application deadline: 23.01.2022

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.

Department of Manufacturing and Civil Engineering

Our profile of expertise can help to solve the world's most important societal challenge: the development of sustainable solutions in industry and society. This profile includes research on modern industrial processes, use of new and recycled materials, new technological solutions and the application of new forms of organization and business models. The [Department of Manufacturing and Civil Engineering](#) is one of eight departments in the [Faculty of Engineering](#).

Additional information

Place of service:

NTNU Gjøvik