

Jobbnorge ID: 279735
Deadline: 5/31/2025
Website: <http://www.ntnu.no>
Scope: Fulltime
Duration: Permanent

The Department of electronic systems has a vacancy for a position as

Researcher in the CC-Norchip project, within the EU Chips Act

This is NTNU

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

At NTNU, 9,000 employees and 43,000 students work to create knowledge for a better world.

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

Video: <https://www.youtube.com/watch?v=WWHqR5i1FHE&feature=youtu.be>

About the Job

We have a vacancy for a position at the [Department of electronic systems](#).

As a response to the chip crisis, Europe is mobilizing through the European Chips Act on areas such as security of supply, innovation and technology leadership. As part of this initiative Europe has made significant investments in new infrastructure and capacities, such as pilot lines and a design platform. To facilitate innovation and utilization of these new capacities a network of national chips competence centers has been established and will play a vital role in this European initiative. [CC-NorChip](#) is the Norwegian competence center for chips and sensor technologies, appointed and co-funded by EU Chips Joint Undertaking and the Research Council of Norway. The competence center will play a key role in strengthening the competitiveness, innovation and technology leadership of Norwegian and European companies. The goal of CC-NorChip is to bolster the Norwegian semiconductor, chip and sensor ecosystems through offering access, awareness, services, skills and network.

More information about the European Chips Act may be found here: [European Chips Act - European Commission](#).

NTNU has a leading role in the project as facilitator for the access to capacities, with special responsibilities in facilitating access for SMEs and academic institutions towards future integrated circuit technologies, including a sub 2nm NanoIC pilot line. Access to Design platforms, is another foreseen responsibility for NTNU, but also supported by SINTEF, University of Oslo, University of Southern Norway, University of Tromsø, and the Electronic Coast organization. NTNU will also be involved in facilitation access to capacities other technologies including, but not necessarily limited to, advanced fully depleted silicon on insulator technologies, piezoMEMS, advanced packaging and integration, ultra wide bandgap materials, photonics ICs and quantum technologies.

Your immediate leader is Head of department

Duties of the position

A position should be filled to manage responsibilities related to the technologies mentioned above.

The successful candidate will have an important and independent role in the skills development regarding chip design, micro-/nanotechnology and photonics and be part of the development support₁ and tech transfer teams. In addition, NTNU will be part of the awareness raising and promotion team, and duties related to this are also part of the responsibilities of the position, aiming to facilitate access to mentioned technologies for SMEs and academic institutions

Required selection criteria

The successful candidate must:

- Have a master's degree in physics, electrical engineering or closely related fields, and preferably a PhD in similar topics.
- Have a strong background in physics, electrical engineering or related fields.
- Document a thorough knowledge in English (equivalent to a TPEFL score of 600 or more).
- Have a strong background and experience with integrated circuits design, including the use of state-of-the art EDA tools.
- Be eager to expand his or her knowledge related to any technologies that may be relevant for the CC-Norchip consortium.

- Have excellent abilities to communicate in written and oral form.
- Be self-driven and able to work independently.

Preferred selection criteria

The candidate should:

- Have good language skills within one or more Scandinavian languages.
- Have experience with mixed signal, full custom integrated circuit design from industry.
- Have good knowledge related to all stages of integrated circuits fabrication and test.
- Should show a keen interest in multidisciplinary innovation and research.
- Have good programming skills.
- Be cooperative and have excellent interpersonal skills.
- Be flexible and able to adapt to changing conditions and tasks throughout the project.
- Be prepared and able to do some traveling, to cooperate with external organizations

Personal characteristics

In the evaluation of which candidate is best qualified, emphasis will be put on education and experience, as well as personal suitability for this position which includes:

- Willingness to learn new fields in a multidisciplinary research and innovation environment.
- Excellent communication skills.
- Strong implementation skills.
- Drive to transition knowledge and skills into innovative services.
- Being self-motivated, resilient, result-oriented and independent.
- Excellent writing skills

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 researcher (code 1108) is normally remunerated at gross from NOK 550 000 - 700 000 before tax per year, depending on qualifications and seniority. And the gross salary for the position of researcher (code 1109) is normally remunerated at gross from NOK 590 000 - 750 000 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,

Due to the duration of the position, it is considered a permanent employment at NTNU. Note the project has funding for the position until February 1, 2029. If the employee doesn't secure new project funding, the employment will terminate on this date.

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 criteria in the latter law will be prohibited from recruitment to NTNU.

The position is subject to external funding.

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

About the application

The application and supporting documentation must be in Norwegian or 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.

The application must include:

- CV, certificates and diplomas
- Academic or other works - published or unpublished - that you would like to be considered in the assessment (up to 10 works)
- A description of the academic/artistic or other works that you regard as most relevant and that you particularly want to be taken into account in the assessment
- Details of the projects you have managed, with information about funding, duration and size
- Names and contact information for three relevant 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.

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

NTNU is committed to following evaluation criteria for research quality according to [The San Francisco Declaration on Research Assessment - DORA](#). This means that we pay special attention to the quality and professional breadth of these works. We also consider experience from research management and participation in research projects. We place great emphasis on your scientific work from the last five years.

General information

NTNU believes that inclusion and diversity is a strength. We want our faculty and staff to reflect Norway's culturally diverse population and we continuously seek to hire the best minds. This enables NTNU to increase productivity and innovation, improve decision making processes, raise employee satisfaction, compete academically with global top-ranking institutions and carry out our social responsibilities within education and research. NTNU emphasizes accessibility and encourages qualified candidates to apply regardless of gender identity, ability status, periods of unemployment or ethnic and cultural background.

The city of Trondheim is a modern European city with a rich cultural scene. Trondheim is the innovation capital of Norway with a population of 200,000. The Norwegian welfare state, including healthcare, schools, kindergartens and overall equality, is probably the best of its kind in the world. Professional subsidized day-care for children is easily available. Furthermore, Trondheim offers great opportunities for education (including international schools) and possibilities to enjoy nature, culture and family life and has low crime rates and clean air quality.

As an employee at NTNU, you must at all times adhere to the changes that the development in the subject entails and the organizational changes that are adopted.

A public list of applicants with name, age, job title and municipality of residence is prepared after the application deadline. If you want to reserve yourself from entry on the public applicant list, this must be justified. Assessment will be made in accordance with [current legislation](#). You will be notified if the reservation is not accepted.

If you have any questions about the position, please contact professor Snorre Aunet, +47 73594316, snorre.aunet@ntnu.no or Professor Per Gunnar Kjeldsberg, telephone +47 73594405, pgk@ntnu.no. If you have any questions about the recruitment process, please contact HR, e-mail: hr@ies.ntnu.no

If you think this looks interesting and in line with your qualifications, please submit your application electronically via jobbnorge.no with your CV, diplomas and certificates attached. Applications submitted elsewhere will not be considered. Upon request, you must be able to obtain certified copies of your documentation.

Application deadline: 31.05.2025.

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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 Electronic Systems

The digitalization of Norway is impossible without electronic systems. We are Norway's leading academic environment in this field, and contribute with our expertise in areas ranging from nanoelectronics, phototonics, signal processing, radio technology and acoustics to satellite technology and autonomous systems. Knowledge of electronic systems is also vital for addressing important challenges in transport, energy, the environment, and health. [The Department of Electronic Systems](#) is one of seven departments in the [Faculty of Information Technology and Electrical Engineering](#).

Additional information

Contact persons:

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Place of service:

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