



UNIVERSITETET I OSLO

Jobbnorge-ID: 286390
Søknadsfrist: 25.09.2025
Nettside: <http://www.uio.no/>
Omfang: Heltid
Varighet: Engasjement

Position as Senior Engineer available at Nanoelectronics group

Senior Engineer

About the position

Position as Senior Engineer available at Nanoelectric groups, the Department of Informatics.

The position is for a period of three years. Starting date as soon as possible.

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](#).

University of Oslo through Department of Informatics and Department of Physics has a leading role in the project as overall responsible for skills building and supporting access to capacities, with special responsibilities in facilitating access for SMEs and academic institutions towards future integrated circuit technologies. Department of Informatics has a particular responsibility for a sub-7nm FD-SOI pilot line ([FAMES](#)). Access to Design platforms, is another foreseen activity in close collaboration with NTNU, but also supported by SINTEF, University of Southern Norway, University of Tromsø, and the Electronic Coast organization. UiO will also be involved in facilitation access to capacities on 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.

Place of work is Nanoelectronics group, Department of Informatics at Blindern, Oslo.

Your main tasks will be

The successful candidate will have an important and independent role in skills development towards start-ups and SMEs primarily related to chip design. Furthermore, the candidate will be part of facilitating and supporting access to Chips JU design platform and pilot lines, in particular the sub-7nm FD-SOI line at CEA-Leti (FAMES).

In addition, the candidate will contribute to the awareness raising and promotion chips technologies towards relevant stakeholders. A close collaboration with CC-Norchip partners especially with UiO Physics department and NTNU is expected. The position will involve traveling within Europe, to cooperate with external organizations and visit pilot lines.

What skills are important in this role?

The Faculty of Mathematics and Natural Sciences has a strategic ambition to be among Europe's leading communities for research, education and innovation. Candidates for these fellowships will be selected in accordance with this, and expected to be in the upper segment of their class with respect to academic credentials.

Qualification requirements

In this role you must have:

- Have a master's degree in electrical engineering or closely related fields
- Minimum 4 years relevant work experience
- Have a strong background and experience with integrated circuits design, including the use of state-of-the art EDA tools
- Have documented experience from teaching and supervision
- Excellent knowledge in English

Desired qualifications:

- Have good language skills within one or more Scandinavian languages
- Have experience with mixed signal, full custom integrated circuit design in CMOS and FD-SOI

- Have good knowledge related to all stages of integrated circuits fabrication and test
- Interest in multidisciplinary innovation and research
- Have good programming skills

All candidates and projects will have to undergo a check versus national export, sanctions and security regulations. Candidates may be excluded based on these checks. Primary checkpoints are the Export Control regulation, the Sanctions regulation, and the national security regulation.

What are we looking for in you?

Personal skills:

- Be eager to expand his or her knowledge related to any technologies that may be relevant for the CC-Norchip consortium
- Excellent communication and collaboration skills
- Drive to transition knowledge and skills into innovative services
- Being self-motivated, resilient and result-oriented
- Ability to work both independently and as part of a team
- Be flexible and able to adapt to changing conditions and tasks throughout the project
- Positive attitude and the ability to handle hectic periods

Employment in the position is based on a comprehensive assessment of all qualification requirements applicable to the position, including personal skills.

We can offer you

- A pleasant and stimulating work environment
- Good [welfare schemes](#).
- Opportunity of up to 1.5 hours a week of [exercise during working hours](#). A workplace with good development and career opportunities.
- Membership in the [Statens Pensjonskasse](#), which is one of Norway's best pension schemes with beneficial mortgages and good insurance schemes
- Oslo's family-friendly surroundings with their rich opportunities for culture and outdoor activities
- Salary in position as Senior Engineer, position code 1181 in salary range NOK 590 000 - 760 000, depending on competence and experience. From the salary, 2% is deducted in statutory contributions to the State Pension Fund

Inclusive work life and diversity at UiO

Inclusion and diversity are a strength. The University of Oslo has a personnel policy objective of achieving a balanced gender composition. Furthermore, we want employees with diverse professional expertise, life experience and perspectives.

If there are qualified applicants with disabilities, employment gaps or immigrant background, we will invite at least one applicant from each of these categories to an interview.

We hope that you will apply for the position.

More information about gender equality initiatives at UiO can be found [here](#).

How to apply

The application must include:

- Cover letter
- CV (complete overview of education and work experience)
- Copies of educational certificates, transcript of records and letters for recommendation
- Names and contact details of 2-3 references (names, relation to candidate and telephone number)

Application with attachments must be submitted via our recruitment system Jobbnorge, click "Apply for the position".

When applying for the position, we ask you to retrieve your education results from [Vitnemålsportalen.no](#). If your education results are not available through Vitnemålsportalen, we ask you to upload copies of your transcripts or grades. Please note that all documentation must be in English or a Scandinavian language.

Formal regulations

Applicants may be called in for an interview.

Applicant lists can be published in accordance with Norwegian Freedom of Information Act § 25. When you apply for a position with us, your name will appear on the public applicant list. It is possible to request to be excluded from this list. You must justify why you want an exemption from publication and we will then decide whether we can grant your request. If we can't, you will hear from us.

About the University of Oslo

The University of Oslo is Norway's oldest and highest rated institution of research and education with 26 500 students and 7 200 employees. Its broad range of academic disciplines and internationally esteemed research communities make UiO an important contributor to society.

The Department of Informatics (IFI) is one of nine departments belonging to the Faculty of Mathematics and Natural Sciences. IFI is Norway's largest university department for general education and research in Computer Science and related topics.

The Department has more than 1800 students on bachelor level, 600 master students, and over 240 PhDs and postdocs. The overall staff of the Department is close to 370 employees, about 280 of these in full time positions. The full time tenured academic staff is 75, mostly Full/Associate Professors.

Tilleggsinformasjon

Kontaktpersoner:

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- For questions regarding the recruitment system, please contact HR Adviser Therese Ringvold,
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Arbeidssted:

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