



# Associate Professor in Computer and Network Security

## Job description

A full-time associate professor position in computer and network security is available at the Department of Informatics. The department is seeking a potential scientific leader with clear research visions, educational and administrative skills and abilities to establish and lead research projects, who will strengthen our research and education connected to computer and network security.

The research group on Information and Cyber Security, to which the position belongs, is part of the section Digital Infrastructure and Security at the Department of Informatics. The research group currently has four full- and part-time faculty members and a relatively large number of postdoctoral researchers and PhD students.

The research group conducts research in various areas of information and cyber security, focusing on fundamental aspects as well as on applications in multi-disciplinary contexts and works in collaboration with leading national and international research partners from both academia and industry. Current research topics include: exploit analysis and ethical hacking, privacy and data protection, network security and threat detection, post-quantum cryptography.

## Qualification requirements

The candidate must have formal qualifications within the general area of information or computer security. The candidate must have actively conducted research in the computer and network security field after the reception of the doctorate and document scientific achievements and experience in education and research leadership.

The research group works on ethical hacking and wants to strengthen its research in this field. Therefore, a candidate with expertise in the areas of exploit analysis and penetration testing will be preferred for this position.

Assessment criteria:

- The candidate must hold a doctorate in informatics or related fields, and a scientific track record that confirms his or her capacity to take up new and challenging issues. A relatively strong record of relevant publications is required.
- The candidate should preferably have expertise in exploit analysis, penetration testing and ethical hacking.
- The candidate should also be able to lead, conduct and collaborate in research projects. A good track record in academic and administrative leadership is an advantage, as well as experience in the acquisition of research grants.
- Experience in cross-disciplinary work and collaboration with industry is an advantage.
- Candidates should have teaching experience in information or computer security and have a commitment to engage in undergraduate and graduate education and in mentoring and advising master and doctoral students.
- Documented pedagogical skills
- Fluency in both written and spoken English is a prerequisite.

The successful candidate should have an international profile with respect to the above criteria. The candidate for this position will be selected based on excellence and fit with the section's research profile.

## We offer

- salary NOK 631 700 - 731 400 per annum depending on qualifications in position as Associate professor (position code 1011)
- a professionally stimulating working environment
- attractive welfare benefits and a generous pension agreement, in addition to Oslo's family-friendly environment with its rich opportunities for culture and outdoor activities
- the opportunity to apply for promotion to full professorship at a later stage

## How to apply

The application must include:

- Application letter
- A research position paper (1-4 pages) describing the applicant's vision and ambitions for the nearest future
- Detailed CV (including complete list of education, positions, pedagogical experience, administrative experience, project acquisition and coordination experience, funding and awards, and other qualifying activities)
- Copies of educational certificates, PhD diploma, transcript of records and letters of recommendation
- A complete list of publications and academic merits and awards (if not included in the CV)
- Full text of up to 10 selected publications the applicant wishes to include in the evaluation
- A document discussing the importance, interrelation, and relevance of the selected papers for this position
- Listing of teaching experience as well as work on developing/revising/renewing study plans and the design of courses
- Documentation of teaching qualifications and supervision of Master and PhD students. and up to a page describing teaching philosophy

- Description of dissemination activities beyond scientific publications
- List of 3 reference persons (name, relation to candidate, e-mail and phone number)

The application with attachments must be delivered in our electronic recruiting system. Please submit the documents as PDF-files (maximum 2 MB / file). Please note that all documents should be in English (or a Scandinavian language).

In the evaluation of the qualified candidates the full range of these criteria will be explicitly addressed and assessed.

Relevant candidates will be called for interviews and requested to hold trial lectures, and references may be consulted.

## Formal regulations

The successful candidate who at the time of appointment cannot [document basic teaching qualifications](#) will be required to obtain such qualifications within a two-year period.

The successful candidate must demonstrate mastery of both English and one of the Scandinavian languages as working languages. If an appointee is not fluent in a Scandinavian language, the appointee will be expected within a two-year period to learn sufficient Norwegian to be able to participate actively in all functions the position may involve.

The basis for assessment will be the scholarly production of the applicant, other qualifications, pedagogical or educational, the applicant's qualifications within leadership and administration as well as the general personal suitability. In ranking the competent applicants, the full range of qualifications will be considered and explicitly assessed.

Please see the [rules](#) for Appointments to Professorships and Associate Professorships and Rules for the assessment and weighting of pedagogical competence.

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure.

The University of Oslo has an [agreement](#) for all employees, aiming to secure rights to research results etc.

The University of Oslo aims to achieve a balanced gender composition in the workforce and to recruit people with ethnic minority backgrounds.

## Contact information

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Associate Professor Nils Gruschka, email: [nils.gruschka@ifi.uio.no](mailto:nils.gruschka@ifi.uio.no), tel: +47 22 84 08 58

For technical questions about the recruitment system, HR Adviser Torunn Standal Guttormsen, email: [t.s.guttormsen@mn.uio.no](mailto:t.s.guttormsen@mn.uio.no), tel. +47 22 85 42 72

## About the University of Oslo

**The University of Oslo** is Norway's oldest and highest rated institution of research and education with 28 000 students and 7000 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 1400 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 scientific staff is 75, mostly Full/Associate Professors.

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