PhD Research Fellowship in Security and Privacy for Digital Health Systems

Job description

Position as PhD Research Fellowship in Computer Science available at the Department of Informatics. Depending on the candidate and the teaching needs of the department, the fellowship periods will be for either 3 years (fully devoted to research and research training) or 4 years (with a compulsory work load of 25% consisting of e.g. teaching and supervision duties and research assistance).

Starting date no later than 01.10.2020.

No one can be appointed for more than one PhD Research Fellowship period at the University of Oslo.

More about the position

The digital transformation of modern society effects all areas of our daily life. This includes also health services for which security and privacy concerns are especially relevant. Industrial nations have spent huge amount of money and effort to build secure eHealth infrastructures. However, still many shortcomings and weaknesses can be observed. This is even more relevant for developing countries, where eHealth is becoming more and more important, but, due to limited resources, security and privacy aspects are very often neglected.

The successful candidate for this PhD fellowship position will contribute to research in the field of privacy and security of eHealth system.

The fellowship position is located at the Department of Informatics, and specifically in the research group for “Digital Security” (SEC). The SEC group works on different topics in the area of information security including cyber threat intelligence, privacy and cryptography, and hosts the UiO Ethical Hacking Team. The PhD fellowship will be part of a collaboration with the research group “Information Systems” (IS). The IS group coordinates the development of the open source eHealth platform DHIS2, and is involved in a range of implementation activities in the global south. Both groups manage several research projects with national and international partners from both industry and academia. We have a dynamic and interactive working environment with relatively good gender balance, consisting of multiple PhD and Post Doc researchers in addition to full-time and part-time staff.

Only citizens from European countries and NATO countries are eligible to be hired for this position and therefore only applicants with citizenships from the aforementioned countries can apply for this position. The reason for this is that security research may involve collaboration with defense and national security organizations where security clearance may be needed.

Qualification requirements

The Faculty of Mathematics and Natural Sciences has a strategic ambition is 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.

- applicants must hold a Master’s degree or equivalent in Informatics, Computer Science or Information Security
- foreign completed degree (M.Sc.-level) corresponding to a minimum of four years in the Norwegian educational system
- previous knowledge and experience in information security or privacy/data protection is required
- fluent oral and written communication skills in English

The candidate must be able to express herself/himself very well in English, both in writing and orally. It is expected that the candidate will be able to work independently and within a relatively short time in the position will be able to take the initiative to make contacts and to collaborate with the national and international research community.

Candidates without a Master's degree have until 30 June, 2020 to complete the final exam.

Grade requirements:

The norm is as follows:

- the average grade point for courses included in the Bachelor’s degree must be C or better in the Norwegian educational system
- the average grade point for courses included in the Master’s degree must be B or better in the Norwegian educational system
- the Master’s thesis must have the grade B or better in the Norwegian educational system
- Fluent oral and written communication skills in English

English requirements for applicants from outside of EU/ EEA countries and exemption from the requirements:

http://www.mn.uio.no/english/research/phd/application/application.html
The purpose of the fellowship is research training leading to the successful completion of a PhD degree.

The fellowship requires admission to the PhD programme at the Faculty of Mathematics and Natural Sciences. The application to the PhD programme must be submitted to the department no later than two months after taking up the position. For more information see:

http://www.uio.no/english/research/phd/
http://www.mn.uio.no/english/research/phd/

We offer

- Salary NOK 479 600 - 523 200 per annum depending on qualifications and seniority as PhD Research Fellow (position code 1017)
- Attractive welfare benefits and a generous pension agreement
- Vibrant international academic environment
- Career development programme
- Oslo’s family-friendly surroundings with their rich opportunities for culture and outdoor activities

How to apply

The application must include

- cover letter with statement of motivation and research interests
- CV (summarizing education, positions and academic work - scientific publications)
- copies of original Bachelor and Master’s degree diploma, transcripts of records
- letter of recommendation
- documentation of english proficiency
- list of publications and academic work that the applicant wishes to be considered by the evaluation committee
- list of reference persons: 2-3 references (name, relation to candidate, e-mail and phone number)

The application with attachments must be delivered in our electronic recruiting system, please follow the link “apply for this job”. Foreign applicants are advised to attach an explanation of their University’s grading system. Please note that all documents should be in English (or a Scandinavian language).

Applicants may be called in for an interview.

Formal regulations

Please see the guidelines and regulations for appointments to Research Fellowships at the University of Oslo.

No one can be appointed for more than one PhD Research Fellowship period at the University of Oslo.

According to the Norwegian Freedom of 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 appointment may be shortened/given a more limited scope within the framework of the applicable guidelines on account of any previous employment in academic positions.

The University of Oslo has an agreement for all employees, aiming to secure rights to research results etc.

Contact information

Associate Professor Nils Gruschka, +47 22840858, nils.gruschka@ifi.uio.no

For technical questions about the recruitment system, please contact HR Adviser Torunn Guttormsen,
+47 22854272, t.s.guttormsen@mn.uio.no

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 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..

Jobbnorge-ID: 184281, Søknadsfrist: 31. mars 2020