Professor of
Software Engineering
at Aalto University
Aalto University is a multidisciplinary community of bold thinkers where science and art meet technology and business.

Aalto University is a university where research, art and education are promoted hand in hand. We are committed to high-quality research with significant impact on the international scientific community, industry and business, as well as the society at large.

Aalto's unique profile stimulates collaborations between disciplines and facilitates new innovations. We are committed to identifying and solving grand societal challenges and building an innovative future.

Aalto is an international community: more than 30% of our academic personnel have an international background. Disciplinary excellence is combined with multidisciplinary activities, engaging both students and the local innovation ecosystem.

Aalto University was founded in 2010 as three leading Finnish universities, Helsinki University of Technology, the Helsinki School of Economics and the University of Art and Design Helsinki, were merged.

Aalto University has six schools with nearly 11 000 students and more than 400 professors. Our campuses are located in Espoo and Helsinki, Finland.

More info at aalto.fi
The Department of Computer Science (CS) provides world-class research and education in modern computer science to foster future science, engineering and society. The work combines fundamental research with innovative applications. The Department of Computer Science is the largest department at Aalto University and the largest CS unit in Finland with 44 professors and more than 400 employees.

The department is known for its innovative and consistently high-quality work matching the very best teams in the world, and is a coveted partner in international collaborations. Research at the department addresses and solves challenging problems of high practical relevance with revolutionary applications. Aalto University was ranked 11th in Europe and 47th worldwide by the U.S. News Best Global Universities 2018 survey in the Computer Science subject area.

The focus areas of the CS department are:
- Algorithms, logic & computation
- Computational and data science
- Distributed systems, mobile computing & security
- Human Computer Interaction, Games, Graphics & Audio
- Machine learning & AI
- Software and Service engineering

Both research and education are characterized by constructive and experimental approaches, with close connections to industry. Many of the projects at the department are multidisciplinary, taking advantage of the opportunities created by Aalto University.

The department hosts three national Centres of Excellence: the Centre of Excellence in Computational Inference Research (COIN) and parts of the Centres of Excellence in Molecular Systems Immunology and Physiology Research (SyMMyS) and Research on Solar Long-Term Variability and Effects (ReSoLVE). The department also contributes to the Helsinki Institute for Information Technology HIIT and the Helsinki node of the EIT Digital.
Aalto University is emerging as a frontrunner in software engineering in Europe. The Software and Service Engineering group at the Department of Computer Science sees software as a transformational force in modern society, critical for its operation. The research of the group utilizes empirical, constructive and analytical research approaches where the research is conducted in real environments. The success of the research of the group is heavily reliant on close collaboration with industrial partners.

The Software and Service Engineering group consist of five professors, Marjo Kauppinen, Casper Lassenius, Martti Mäntylä, Marko Nieminen and Kari Smolander. Example research topics of the group include continuous software development, industrial internet, user-centered design and enterprise integration. The group publishes in leading research venues in software engineering and information systems. All research of the group has a strong connection to industrial practices and their development.

The work of the group is also very essential to the strategy of Aalto University. ICT and Digitalization is one of the four core areas in the strategy of Aalto University and its necessary and enabling part, Software Engineering, is a strategic focus area of the Department of Computer Science. Currently, and in the future, there is a huge need of software engineering professionals in all areas of industry and society.

In education, the group is responsible of Software and Service engineering major in the Computer, Communication and Information Sciences (CCIS) MSc program. The group has also an important responsibility in the Information Networks MSc program that is a joint effort between the Department of Computer Science and the Department of Industrial Engineering and Management.
Professor of Software Engineering

Overview

We are seeking talented individuals who are interested in an excellent opportunity to pursue a successful scientific career. The position is targeted primarily at candidates for the Assistant Professor level. However, candidates with an outstanding record for Associate or Full Professor levels may be considered as well.

We are looking for a professor to complement our strong research in software engineering. The selected candidate is expected to establish independent research in the broad field of software engineering, including software quality and testing, large-scale cyber-physical systems and next generation software development principles and tools.

The applicants are expected to hold a doctoral degree in computer science or in a related discipline. Excellent research record in software engineering, evidenced by publications in relevant top venues, is expected. Suitable background and enthusiasm for teaching software engineering courses at bachelor's and master's level are essential. In addition, we value ability for and interest in engaging in research collaboration with industry.

A person at any level of the academic tenure track system is expected to perform world-class research, to teach, supervise and otherwise advance both graduate and undergraduate education, to be an active member of the international scientific community, and to exhibit academic leadership. Career advances on the tenure track are based on scheduled performance assessments, which take into account the candidate’s merits in all these areas.

How to apply

Find the official job announcement and detailed instructions for the application at: http://www.aalto.fi/en/about/careers/jobs/view/1639/

For the application, please include:

1. cover letter,
2. curriculum vitae,
3. research statement,
4. teaching statement,
5. references,
6. the web address of your Google Scholar Profile and Researcher ID,
7. list of publications

Application deadline

Review of the applications will begin on


The position will remain open until filled.

For further questions, please contact:

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Finland has a high-class education system. We value equality, co-operation, freedom of speech and free press.

Finland is a great environment for innovation and entrepreneurship: low level of hierarchy, investments in R&D, a strong innovation culture and a high number of patents per capita are just some of the characteristics of our society.

Gender equality, open society and low levels of corruption make Finland a very attractive country for researchers, innovators, and professionals worldwide.

Cleanliness, close relationship with nature, high level of social security and services and original and versatile cultural life attract people from all over the world to join our community and appreciate Finnish standards of living.
Aalto University –
a community of
game changers
aalto.fi