



Assistant Professors in Computer Science

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Aalto University



Aalto University

A multidisciplinary community of bold thinkers where science and art meet technology and business.

Aalto University is 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.

Academic excellence is combined with multidisciplinary activities, engaging both students and the local innovation ecosystem. Aalto is committed to identifying and solving grand societal challenges and building an innovative future.

Aalto has six schools with nearly 11 000 students and more than 400 professors. It is an international community: more than 40 per cent of the academic personnel have an international background.

Aalto University was founded in 2010 as a merger of three leading Finnish universities – Helsinki University of Technology, the Helsinki School of Economics and the University of Art and Design Helsinki. Its campus is located in Otaniemi in the city of Espoo, about seven kilometres from downtown Helsinki.

The Otaniemi campus thrives to be a unique, open innovation hub and a focus of collaboration that attracts partners from all around the world, encouraging sharing of ideas, interdisciplinary encounters, creativity, growth and entrepreneurship. The centre of the campus is being developed into a vibrant core with versatile services and attractive places to meet.



Department of Computer Science

The Department of Computer Science 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.

Computer Science is the largest department at Aalto University and the largest CS unit in Finland with 44 professors and more than 400 employees. It is routinely ranked among the top 10 CS departments in Europe and in the top 100 globally.

Education

The Department offers three undergraduate degree programmes:

- Computer Science and Engineering
- Data Science
- Information Networks

The Department also offers five Master's programmes taught entirely in English:

- Computer, Communication and Information Sciences (CCIS)
- Life Science Technologies
- Information Networks
- Double degree programme ICT Innovation (EIT Digital Master School)
- Security and Cloud Computing (Erasmus Mundus)

Research

The Department has strong groups in a range of areas including Algorithms, Data Science, Machine Learning and AI, Mobile and Distributed Systems, Security and Privacy, Software Engineering, and Visual Computing and HCI. The current faculty's strength is evidenced in part by the high volume of extremely competitive funding from the Academy of Finland (equivalent to the National Science Foundation) and the European Research Council (ERC). The Department consistently attracts many high-achieving international students entering its MSc and PhD programmes.

Doctoral studies

Doctoral studies are organised through the Aalto Doctoral Programme in Science. The Department has also integrated a doctoral track into a number of its MSc majors, for supporting and expediting the progress of top students who aim for the doctoral degree directly from the Bachelor's level.

The Helsinki Doctoral Education Network in Information and Communications Technology (HICT) is a collaborative doctoral education network hosted jointly by Aalto University and the University of Helsinki, the two leading universities within this area in Finland. The network serves as a collaboration platform for doctoral education combining all the relevant subfields of computer science and information technology at Aalto University and the University of Helsinki. At present, it involves 65 professors and almost 300 doctoral students, and the participating units graduate altogether more than 40 new doctors each year.

More info at
cs.aalto.fi



Assistant Professors in Computer Science

The positions are targeted at tenure-track candidates for the Assistant Professor level.

The department is committed to fostering an inclusive environment with diverse faculty members. Therefore, applications from groups that have been underrepresented in computer science are particularly sought.

Applicants should demonstrate excellent research potential in addition to teaching ability. We welcome applications in all areas of Computer Science, including but not limited to:

- Computing systems;
- Creative technologies;
- Modern data management;
- Security and privacy;
- Software engineering.

Aalto University offers excellent opportunities and encouragement for joint work with other fields and with local partners both at Aalto and the University of Helsinki. Collaboration is supported by arrangements such as the Helsinki Institute for Information Technology HIIT, a joint research centre with the University of Helsinki and FCAI, the Finnish Center for Artificial Intelligence.

A person at any level of the tenure track system is expected to perform world-class research, to teach, advise 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.

The positions have competitive salaries as well as start-up packages. The contract includes occupational health benefits. Relocation services are also available for people coming from abroad.



How to Apply

Applications for the position, together with attachments, are to be addressed to the Dean of the Aalto University School of Science. Applications will close on January 10, 2021 at 23:59 EET (UTC+2).

The application material must be in English and include the following attachments in PDF format:

1. cover letter including a summary of merits and most important achievements,
2. curriculum vitae (recommended length: two pages),
3. research statement (recommended length: four pages),
4. teaching statement (recommended length: four pages),
5. names, positions, affiliation(s) and e-mail addresses of five referees available to provide recommendations at a later stage of the application process,
6. list of publications with no more than five of them clearly highlighted as most important.

The applicants will be reviewed on the basis of their research achievements in relation to their career stage, their teaching merits and activity in the scientific community; recommendation letters will also be taken into consideration, and applicants are encouraged to solicit eminent Computer Science scholars as referees. Short-listed applicants will be invited to present and discuss their research with faculty. Evaluation at the Assistant Professor level follows the tenure track system at Aalto University and is mainly based on research merits as well as the applicant's potential.

Further Information

HR Coordinator Laura Kuusisto-Noponen
E-mail: firstname.lastname@aalto.fi.
(Note! During the holiday season there can be delay in responses)

Tenure track at Aalto University

For more information about the Aalto University tenure track system, see

<https://www.aalto.fi/en/tenure-track>



Living in Finland

Innovative and bold, international at heart.

Finland is located within the Scandinavian region of Northern Europe and has a population of 5.4 million. It is a beautiful and vast country with contrasting landscapes and four distinct seasons, enjoying phenomena such as the midnight sun in the summer and northern lights in the winter. It is [among the best countries in the world](#) according to many quality of life indicators, including being the [overall #1 country in human wellbeing](#) and the [happiest country in the world](#) (in 2018 and 2019).

Finland has one of the most advanced educational systems in the world, and as a result of an innovative mind-set and investment, is proud to provide exceptionally high standards of social security and healthcare, financed by the state. The country embraces some of Europe's last true wildernesses, yet also has comprehensive and reliable transport networks. The Helsinki Vantaa airport serves over 100 direct destinations. It is a popular transfer point between Asia and Europe, with direct connections to Bangkok, Singapore, Hong Kong and several locations in Japan and China. There are also direct flights to several major North American destinations including Chicago, New York and San Francisco.

The city of Helsinki is Finland's capital, with a population of 1.4 million within the metropolitan area. The capital is thriving and is in the midst of the greatest infrastructure upgrade it has seen in a century. Aalto University is situated in Espoo, about seven kilometres west of Helsinki city centre. The campus is directly connected to the city's underground metro network, with a travel time of 10-12 minutes to the heart of the city.

The Visit Finland site provides more details on Finland and Helsinki: visitfinland.com

Further information about Helsinki and Espoo can be found at: visithelsinki.fi/en and visitespoo.fi/en

Further information about living in Finland can be found at finland.fi and for international candidates Aalto University provides useful information at:

<https://www.aalto.fi/en/careers-at-aalto/for-international-staff>

The Computer Science Department offers generous relocation assistance to new professors and is committed to providing informal assistance to help their families to settle down in Finland.

**Aalto University –
a community of
game changers**
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