Tenure track or tenured Professor in Land Use and Transport Planning

Aalto University
School of Engineering

Aalto University

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

Aalto 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.

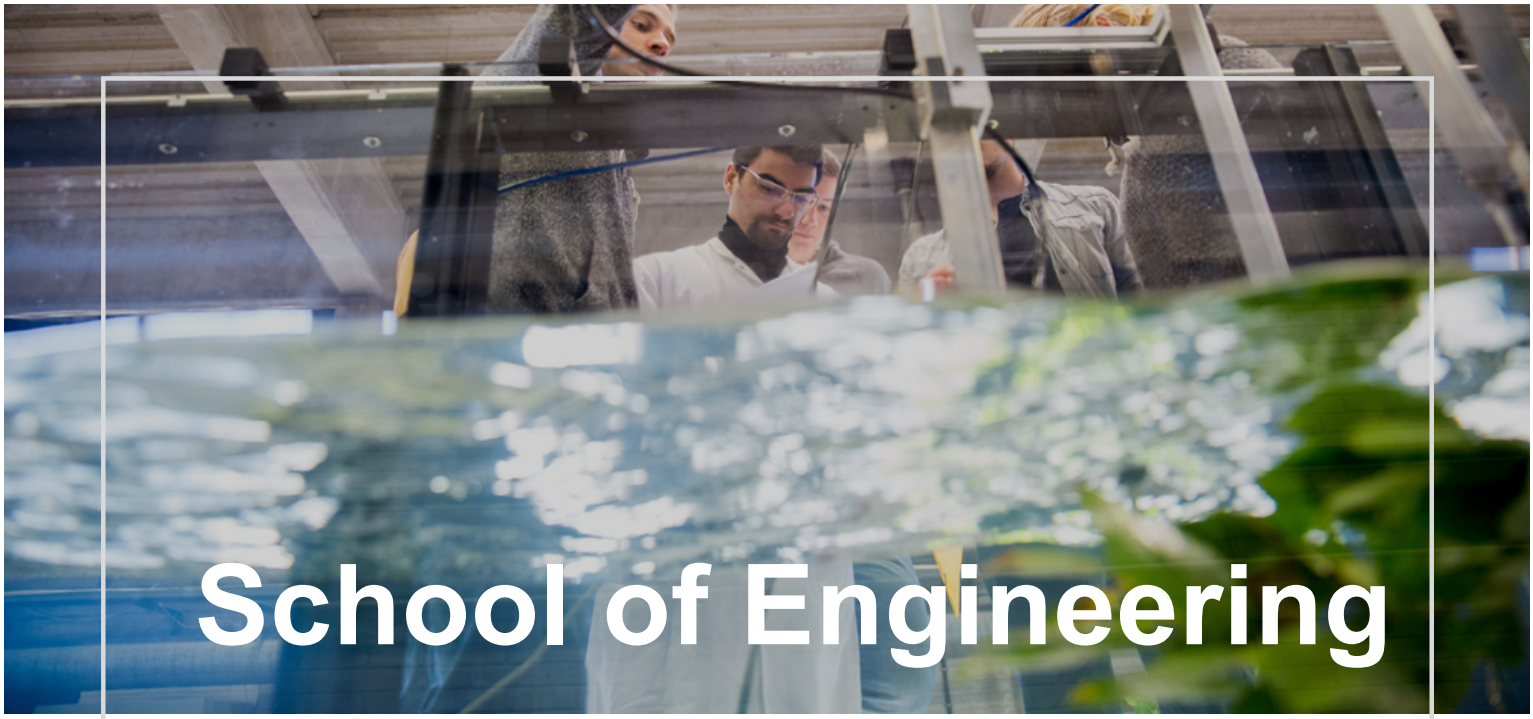
Aalto University has six schools with nearly 11 000 students and more than 4000 employees, of which close to 400 are professors. Our campuses are located in Espoo and Helsinki, Finland.

Aalto is an international community: more than 30% of our academic personnel have an international background. Excellence in research 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

More info at aalto.fi



School of Engineering

Science and Engineering

The main task of the School of Engineering is to renew technologies related to the technical industry and the built environment through scientific research, technological innovation and inspiring education. Our objective is to create new knowledge, information and solutions to serve the goals of sustainable development.

Research connecting with the society

Our research topics are highly relevant to the surrounding society, connecting theory with practice. Collaborative projects with the technological industry and the surrounding society have been a trademark for decades. Our research focus areas are Marine and Arctic Technology, Mechanics and Materials, Multidisciplinary Energy Technologies, Sustainable Built Environment, and Systems Design and Production. Our unique research facilities, e.g. Design Factory, Aalto Ice Tank, ADDLAB (Aalto Digital Design Laboratory) and enable game-changing research and education.

The school has advanced research environment for marine technology. We also have full-scale test halls for mechanics and structural engineering. Industrial Internet Campus provide excellent infrastructure for researchers and students. Other significant parts of the infrastructure include laboratories for water engineering, materials and manufacturing engineering, transportation engineering, geoengineering and construction materials. We also have excellent complementary networks inside and outside Finland.

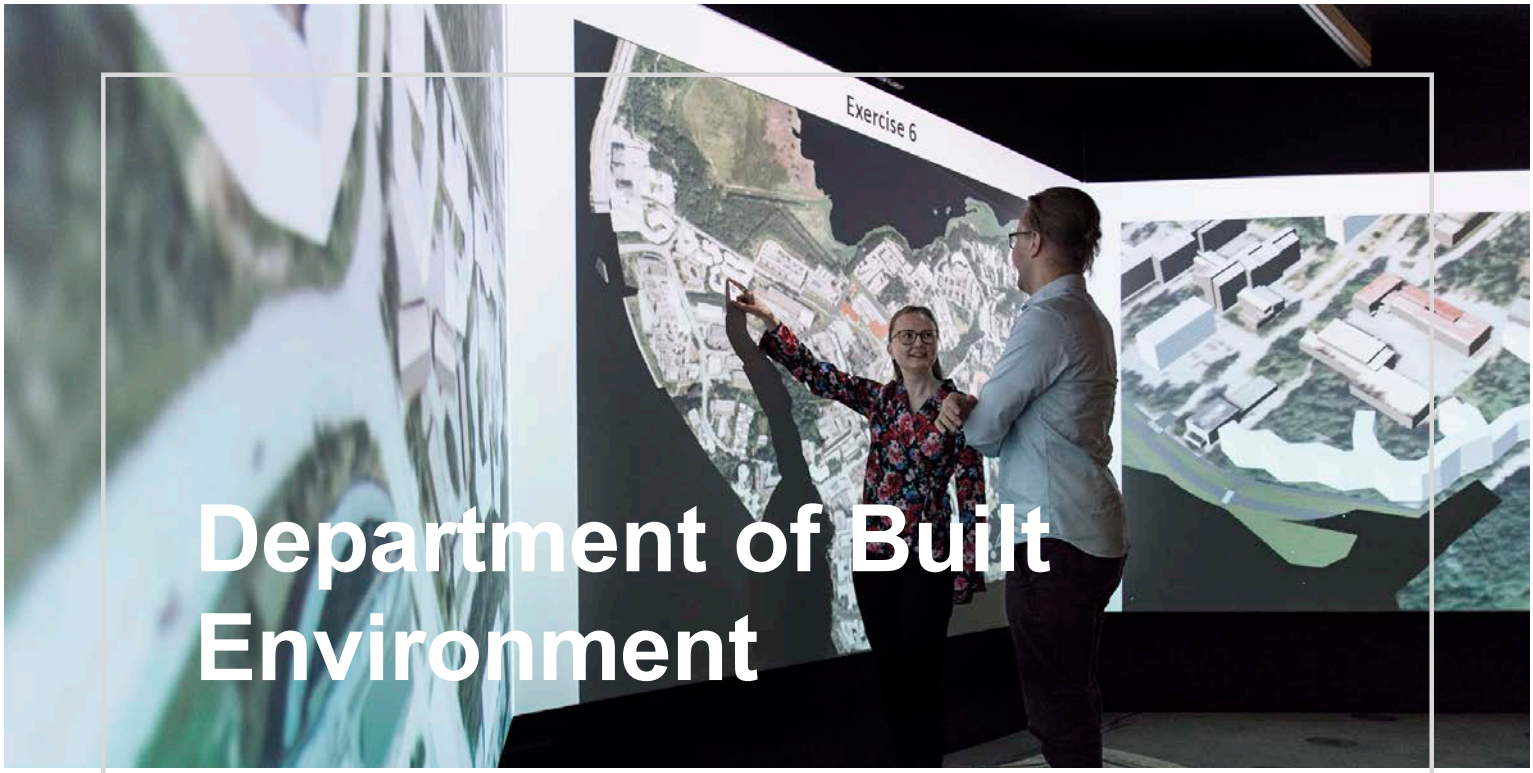
Educating problem solvers and innovators

Our MSc programmes reflect both the long-term research excellence of the school and the future needs of society. We seek to educate problem-solvers who have a firm grasp of fundamental principles, and who are able to innovate and drive renewal as part of multidisciplinary teams. We promote entrepreneurship and innovation, and are a home of several start-ups.

As a result of the high level of stakeholder involvement, most of our MSc graduates are employed in leadership and expert positions immediately at graduation.

Aalto University

More info at
eng.aalto.fi/en



Department of Built Environment

Cutting edge research & education

About our Department

The position is located in the Department of Built Environment. The research groups at the department include Geoinformatics, Real Estate Economics, Spatial Planning and Transportation Engineering, and Water and Environmental Engineering. Currently, the department has 25 professors.

The new professor will join the Spatial Planning and Transportation Engineering (SPT) Group, which runs its own SPT Master's programme. The Group has currently four professors: two professors in strategic urban planning and land use planning and two professors in transportation engineering.

The Spatial Planning and Transportation Engineering Research Group

The research of the SPT group focuses on three main themes. The first theme relates to every day human behavior and values in the living environment, and relies on a range of economic, psychological and sociological approaches. Understanding human needs for living and moving around urban environments is accompanied with the development of advanced data collection and analysis methods.

The second theme, new planning and policy-making methods and processes, studies the complex challenges in planning and management of urban and regional environments. The framing of decision-making methods and processes is done through a simultaneous re-evaluation of governing mechanisms, focus on citizen participation, and analysis of communicative dynamics and activities.

The third theme concerns the development and governance of urban and mobility technologies and services, drawing on a deep understanding of technological transition processes and their societal impacts. This research contributes to steering emerging technological pathways of mobility, focusing on such trends as sharing, automation, servitization, and connectivity, as well as to developments in national and international policies and regulation.

With its focus on understanding the complexities of important societal challenges reflected in our everyday environments, the SPT group contributes especially to the Aalto University focus areas of Human-centred living environment and ICT and digitalization, and the focus area of Sustainable built environment of the School of Engineering.

More info at builtenv.aalto.fi/en/

Professor of Land Use and Transport Planning

Description and main tasks

The professorship in land use and transport planning focuses on the integration of land-use and transport systems in urban and regional planning. This includes various academic approaches to integrate the two previously separate disciplines.

While addressing topical sustainability challenges, these integrative approaches can concern, for example, smart urban and mobility models and interfaces, urban and regional accessibility and mobility, everyday living and mobility in the built environment, or strategic spatial planning and transport policy. With its emphasis on the interaction of land use and transport systems, the position contributes importantly to building a transdisciplinary groundwork for the Research Group of Spatial Planning and Transportation Engineering (SPT), in both its education and research.

For this position, applicants from all fields related to land-use and transport planning are invited to apply, and new openings are encouraged. Experience in both academia and planning practice will be considered a strength.

What we expect

The applicant should hold a doctorate in a discipline relevant for this position and have expertise on the interaction of land-use and transport planning. The applicants will be reviewed based on their merits in research, teaching, academic leadership and activity in scientific community.

The applicants' practical experience in planning will be considered as an additional merit. The applicants must be able to acquire external funding from Finnish and international sources.
For foreign candidates, the language requirement is fluency in written and spoken English. The recruited candidate will be encouraged to learn Finnish.

Throughout their careers, those in the academic tenure track system are expected to exercise and supervise scientific research, to provide related higher academic education, to follow the advances in their field, to participate in service tasks for the Aalto University community, and to take part in societal interaction and international collaboration in their field.

How to apply

Apply and get more information here.

Application deadline

May 7th, 2019

For further questions, you may contact

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Living in Finland

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 Nordic community.

Helsinki is one of Europe's leading capital cities and a vivid center of scholarship. As a living and working environment, Finland is consistently ranked highly in quality-of-life and competitiveness studies. According to World Happiness Report 2016, people living in Finland are one of the happiest in the world.

Welcome!

More info at finland.fi

Aalto University – a community of game changers

aalto.fi

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