

Assistant professor, Transportation engineering
Aalto University

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Posted Oct. 23, 2024, set to expire Feb. 22, 2025

Job Title Assistant professor, Transportation engineering
Department T213 Built Environment
Institution Aalto University
, , Finland

Date Posted Oct. 23, 2024

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Assistant Professor

Academic Field(s) Transportation Engineering
Civil Engineering

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Assistant-professor--Transportation-engineering_R41172

Apply By Email

Job Description

Aalto University is where science and art meet technology and business. We shape a sustainable future by making research breakthroughs in and across our disciplines, sparking the game changers of tomorrow and creating novel solutions to major global challenges. Our community is made up of 13,000 students, 400 professors and close to 4 500 other faculty and staff working on our dynamic campus in Espoo, Greater Helsinki, Finland. Diversity is part of who we are, and we actively work to ensure our community's diversity and inclusiveness. This is why we warmly encourage qualified candidates from all backgrounds to join our community.

Aalto University School of Engineering, Department of Built Environment invites applications for:

Assistant professor in transportation engineering (tenure track)

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We are seeking an ambitious and enthusiastic individual for a full-time tenure track position in the Spatial Planning and Transportation Engineering (SPT) research group. More details about Aalto University's tenure track career path can be found below.

The position and our expectations

The SPT research group connects spatial planning and transportation engineering and seeks to identify how to create more attractive, accessible, equitable and resource-efficient urban environments. SPT's three main research areas comprise: i) everyday human behaviour and values in the living environment; ii) new planning and policy-making methods and processes; and iii) development and governance of urban technologies and services - see [[url=https://www.aalto.fi/en/department-of-built-environment/spatial-planning-and-transportation-engineering](https://www.aalto.fi/en/department-of-built-environment/spatial-planning-and-transportation-engineering)]<https://www.aalto.fi/en/department-of-built-environment/spatial-planning-and-transportation-engineering>.

We wish to recruit an ambitious professional to contribute to ground-breaking research and teaching in the field of transportation engineering. The successful candidate will already have: *

- a doctoral degree in a relevant discipline (e.g. transportation engineering, transportation science, transport planning, transport studies, transport systems); *
- research expertise in planning or managing sustainable urban transport systems, focusing on multiple transport modes (e.g. walking, cycling, public transport); *
- strong methodological expertise in quantitative methods, such as data analytics, modelling, evaluation, or optimization; and *
- well-developed collaboration skills and an excellent command of English.

During the selection procedure, preference will be given to candidates who have one or more of the following: *

- a research profile which crosses sectoral boundaries (e.g. land use, energy, health, ICT) *
- a strong interest in sustainable urban transport systems in Nordic and European contexts *
- experience in acquiring academic competitive research funding *
- experience of research cooperation with the public sector, private sector or NGOs *
- a strong academic network *
- scientific awards and recognitions *
- teaching experience and qualifications in pedagogy *
- experience of supervising master's theses or doctoral research

After recruitment, the successful candidate will be expected to: *

- initiate innovative research projects on sustainable urban transportation engineering *
- supervise doctoral researchers and produce high-quality research published in peer-reviewed journals *

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disseminate research results, enhance the international visibility of Aalto University, the School of Engineering and the Department of Built Environment, and engage with society * collaborate with different stakeholders, as well as with colleagues in Aalto University and across the global community; and * provide high-quality teaching, typically around 15 ECTS per year, particularly in the MSc programmes in Spatial Planning and Transportation Engineering (SPT) and Sustainable Urban Mobility Transitions (EIT).

What we offer

Aalto University offers the opportunity to work within a well-resourced learning community where students are rigorously selected and highly motivated. According to our strategy, Aalto University aims to shape a sustainable future through research-based knowledge, creativity, and an entrepreneurial mindset. Our core values are responsibility, courage, and collaboration.

The entry salary will be defined according to Aalto University's salary system, taking account of the applicant's experience and qualifications. Aalto University provides its employees with occupational healthcare services. A start-up package can be negotiated with the Dean.

Finland offers a safe and healthy environment for living, with excellent state-subsidized services including affordable day care, healthcare, and free schools that are ranked among the best in the world. Finland is one of the world's most reliable, stable and safe countries and consistently occupies top position in the annual World Happiness Report. With significant investments in R&D, a strong innovation culture, open data, and advanced digitalization, Finland is a nation of innovation and entrepreneurship.

The Nordic values of equality and cooperation are deeply rooted in our society. Gender equality, flexibility, and low hierarchy form the core of the Nordic working environment. For more information about living and working in Finland, see: [[url=https://www.aalto.fi/en/careers-at-aalto/for-international-staff](https://www.aalto.fi/en/careers-at-aalto/for-international-staff)]<https://www.aalto.fi/en/careers-at-aalto/for-international-staff>.

Ready to apply?

Please submit your application through our recruitment system by 30 November 2024 (23:59 UTC+3:2)). A link to the recruitment system can be found at the end of this job advertisement ("Apply now!"). If you are already working at Aalto, please apply via our internal system Workday -> Find Jobs.

The application material for the tenure track position includes:

1. Cover letter including a summary of merits, most important achievements, and motivation for the

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position (max 2 pages).

2. Curriculum vitae (covering the major headings recommended by the Finnish National Board on Research Integrity at <https://tenk.fi/en/advice-and-materials>) including, *

Complete list of publications *

Names and contact information of 2-4 referees

3. Five most significant publications, submitted in full-text electronic form.

4. Research portfolio, describing the applicant's previous research, their future research plans, and an overview of emerging issues in the field (max 5 pages).

5. Teaching statement, summarising the applicant's approach to teaching and learning, previous teaching experience, and previous activities related to curriculum development (max 2 pages).

All material should be submitted in English. The documents are to be submitted in PDF format and the file names are to follow the format: document name_lastname_firstname.pdf (e.g., coverletter_lastname_firstname.pdf).

The general instructions and evaluation criteria for applicants, including language requirements and guidelines for compiling the application material, are given online as well:

<https://www.aalto.fi/en/tenure-track/interested-in-joining-our-tenure-track>

Aalto University will use external reviewers to support the evaluation of applicants during the recruitment process. Based on the application materials and external evaluations, the Departmental Committee will choose the most suitable applicants to visit the Department of Built Environment and deliver teaching demonstrations. Shortlisted candidates will be required to submit a teaching portfolio at a later stage in the recruitment process.

For more Information, please contact Head of Department Raine Mäntysalo, (raine.mantysalo@aalto.fi). For questions related to the recruitment process, please contact HR Partner Sanni Mero (sanni.mero@aalto.fi).

Aalto University reserves the right for justified reasons to leave the position open, to extend the application period and to consider candidates who have not submitted applications during the application period.

Tenure track in Aalto University

The tenure track is open to talented individuals who have excellent potential for a scientific career.

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Individuals placed on the Aalto University professorial tenure track have the possibility to advance in their career through regular performance assessments. Launched in 2010, the tenure track has attracted a wide range of international applicants, giving Aalto University the possibility of recruiting top experts and young research talent to join the Aalto University community. Further details about Aalto University's tenure track system can be found at [[url=https://www.aalto.fi/en/tenure-track/tenure-track-career-path](https://www.aalto.fi/en/tenure-track/tenure-track-career-path)]<https://www.aalto.fi/en/tenure-track/tenure-track-career-path>.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Finland