Assistant Professor, Power Transmission Systems
Aalto University

Job Title	Assistant Professor, Power Transmission Systems
Department	T410 Dept. Electrical Engineering and Automation
Institution	Aalto University , , Finland
Date Posted	Dec. 22, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Energy Technology Electrical and/or Electronics
Job Website	https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Assistant-Professor--Power-transmission-systems_R45050
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.

The School of Electrical Engineering is now looking for an

Assistant Professor, Power transmission systems

Assistant Professor, Power Transmission Systems
Aalto University

The position is to be filled at assistant level of the [url=https://www.aalto.fi/en/tenure-track/tenure-track-career-path]Aalto University tenure track system (Assistant, Associate or Full Professor). The position is full-time and fixed term. Advancement on the Aalto tenure track is based on an evaluation of achievements and merits according to Aalto's tenure track criteria, please see the details [url=https://www.aalto.fi/en/services/tenure-track-evaluation-criteria]here.

You will join the [url=https://www.aalto.fi/en/department-of-electrical-engineering-and-automation]Department of Electrical Engineering and Automation (EEA) at Aalto University's [url=https://www.aalto.fi/en/school-of-electrical-engineering]School of Electrical Engineering. At EEA, scientists and engineers from different fields interact and work together by crossing over traditional boundaries to solve the most challenging scientific and technological problems, to provide excellent education and to produce wellbeing for the society.

Research at EEA is organized in three focus areas: 1) Electrical power systems and energy conversion, 2) Control, robotics and autonomous systems, and 3) Electronic and digital systems. Because of the interdisciplinary nature, EEA partner network covers a large share of Finnish and international industries starting from the energy sector to manufacturing industries, including many machinery production companies, medical sector, cities and public organizations, and service providers. There have been several spin-off companies utilizing the research results.

Your role and our expectations
The position focuses on power transmission systems and analysis of their future characteristics, technical performance as well as system security. It considers the requirements set by wind and solar power, and new types of loads such as hydrogen production to power transmission systems.

As a tenure-track faculty member, you are expected to complement the expertise of the current faculty by bringing new ideas and perspectives into our community. You are also expected to teach courses primarily in the field of power transmission systems, with a typical teaching load of two courses per year.

The selected candidate is expected to collaborate with Finnish and Nordic industry and therefore we value the practical experience with Nordic power transmission system.

We expect the candidate to have:

Capability and motivation to teach at undergraduate and/or graduate levels in the field of power transmission systems

Assistant Professor, Power Transmission Systems
Aalto University

A proven ability and passion to carry out high-quality research and publish in top venues of the discipline

Capability to attract research funding and build up your own research group

Existing international collaboration network or ability to build one

A doctoral degree in the field of power transmission systems is required for this position. In addition, the candidate should have experience in several of the following topics:

Reliable operation and system security of power transmission systems

Power system stability and technical performance

Situational awareness and power system monitoring

What we offer

Starting funding and grant writing support to help you establish your own team

Excellent multidisciplinary collaboration possibilities within the university

A well-resourced learning community with highly motivated students

A friendly and diverse community which genuinely respects diversity and equality

A competitive salary determined by applicant's experience and qualifications and based on the Aalto University salary system. Aalto University provides its employees with free occupational health care services.

Great future in one of the happiest, cleanest, and safest countries in the world

For more information about living and working in Finland, please see: [url=https://www.aalto.fi/en/careers-at-aalto/for-international-staff]https://www.aalto.fi/en/careers-at-aalto/for-international-staff and [url=https://www.aalto.fi/en/careers-at-aalto/living-in-finland]https://www.aalto.fi/en/careers-at-aalto/living-in-finland.

The activities of the department are located in the Otaniemi campus of Aalto University in Espoo,

Assistant Professor, Power Transmission Systems
Aalto University

Helsinki metropolitan area. Have a virtual tour at [url=https://virtualtour.aalto.fi/]https://virtualtour.aalto.fi/.

Ready to apply?
If you want to join our community, please submit your application no later than February 1, 2026, through our recruitment system by using the “Apply now!” link. Please include the following application documents in pdf format in English (please note that the maximum size of one document is 5 MB and that the system accepts only 5 attachments, so please combine the documents, if needed):

1) Cover letter
2) Curriculum vitae with your contact information, ResearcherID, and links to your professional profiles, as well as a list of referees, with contact information
3) List of publications, in which the five most significant publications are highlighted and your role in them described
4) Research statement describing past research and plans for future research
5) Teaching statement (max 2 pages, including the following information: 1) your approach to teaching and learning, 2) your teaching experience, 3) your development as a teacher, and 4) your other possible teaching-related merits)

Please note: Aalto University’s employees should apply for the position via our internal HR system Workday (Internal Jobs) by using their existing Workday user account (not via the external webpage for open positions).

Aalto University will use external reviewers to support the evaluation of applicants during the recruitment process. The most suitable applicants will be invited to visit the department for teaching demonstrations and interviews.

If you wish to hear more about the position, you can reach out to the chair of the departmental committee, Professor Jorma Kyyrä (jorma.kyyra@aalto.fi). In recruitment process related questions, please contact HR partner Camilla Hanganpää (camilla.hanganpaa@aalto.fi).

Want to know more about us and your future colleagues? You can watch these videos:
[url=https://www.youtube.com/watch?v=MirHf3kkD4s]This is Aalto University!
[url=https://www.youtube.com/watch?v=dUfEGVM-ZP8&feature=youtu.be]Aalto People

Read more about working at Aalto: [url=https://www.aalto.fi/en/careers-at-aalto]https://www.aalto.fi/en/careers-at-aalto.
More about Aalto University:

Assistant Professor, Power Transmission Systems
Aalto University

[url=https://www.aalto.fi/en/open-positions]Aalto.fi
[url=https://www.youtube.com/user/aaltouniversity]youtube.com/user/aaltouniversity
[url=https://www.linkedin.com/school/aalto-university/]linkedin.com/school/aalto-university/
[url=https://www.facebook.com/aaltouniversity]www.facebook.com/aaltouniversity
[url=https://instagram.com/aaltouniversity]instagram.com/aaltouniversityTo view information about Workday Accessibility, please click here.Please see more of our Open Positions here.

Contact Information

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

Contact

Finland