

Assistant Professor in Technical Psychoacoustics (tenure track)  
Aalto University

Direct Link: <https://www.AcademicKeys.com/r?job=205612>

Downloaded On: Sep. 29, 2023 3:44am

Posted Feb. 15, 2023, set to expire Dec. 30, 2023

<b>Job Title</b>	Assistant Professor in Technical Psychoacoustics (tenure track)
<b>Department</b>	T412 Department of Information and Communications Engineering
<b>Institution</b>	Aalto University , , Finland
<b>Date Posted</b>	Feb. 15, 2023
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Psychology - General
<b>Job Website</b>	<a href="https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Assistant-Professor-in-Technical-Psychoacoustics--tenure-track-_R35274">https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Assistant-Professor-in-Technical-Psychoacoustics--tenure-track-_R35274</a>

**Apply By Email**

**Job Description**

Aalto University is a community of bold thinkers where science and art meet technology and business. We are committed to identifying and solving grand societal concerns and building an innovative future. Aalto University has been ranked the 9th best young university in the world (Top 50 under 50, QS 2018) and one of the world's top technology challenger universities (THE 2017), for its outside-the-box thinking on research collaboration, funding, and innovation. Aalto has six schools with nearly 11 000 students and 4000 employees of whom close to 400 are professors. Our campus is located in the capital area of Finland. With 37% of our academic faculty coming from outside Finland, we are a highly international community with strong academic standing.

Aalto University School of Electrical Engineering invites applications for

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ASSISTANT PROFESSOR IN TECHNICAL PSYCHOACOUSTICS (tenure track)

The position is to be filled at Assistant Professor level of the [[url=https://www.aalto.fi/en/services/tenure-track-evaluation-criteria?check\\_logged\\_in&#61;1](https://www.aalto.fi/en/services/tenure-track-evaluation-criteria?check_logged_in&#61;1)]Aalto University Tenure Track system.

Psychoacoustics is a field which studies the perception of sound and human hearing mechanisms. The understanding of human hearing is crucial when developing technologies where the human is the receiver in the end of a communication chain. Such technologies are developed, for example, in the fields of audio technology, musical acoustics, aided hearing, environmental noise, virtual and augmented reality, and speech communication. The term “technical psychoacoustics” refers to the cross-section between audio, acoustics, and human behavioral sciences.

As a professor at the [[url=https://www.aalto.fi/en/departments-of-information-and-communications-engineering](https://www.aalto.fi/en/departments-of-information-and-communications-engineering)]Department of Information and Communications Engineering (DICE) you will establish and supervise your own research group. You will be responsible for a psychoacoustics-related course for the BSc program on Engineering Psychology and will take part also in education of the Acoustics and Audio Technology MSc Major.

Scientific Environment

[[url=https://www.aalto.fi/en/aalto-acoustics-lab](https://www.aalto.fi/en/aalto-acoustics-lab)]The Aalto Acoustics Lab is an umbrella organization inside Aalto University connecting research groups focusing on any field of acoustics. It has outstanding facilities for sound-related research, including three anechoic chambers, a listening room, a variable acoustics room, sound-proof listening booths, a large number of loudspeakers and headphones, high-quality microphones and other measurement equipment. The Aalto Acoustics Lab is one of the leading European research and higher education institutions in the field of acoustics and audio technology. The professors of the lab have a long reputation in research related to audio signal processing, spatial sound technologies, concert hall acoustics, acoustical measurement systems, to name a few topics.

The Department of Information and Communications Engineering (DICE) has about 20 professors in the faculty, with research clusters on [[url=https://www.aalto.fi/en/departments-of-information-and-communications-engineering/our-research-and-research-groups#0-human-centric-technology](https://www.aalto.fi/en/departments-of-information-and-communications-engineering/our-research-and-research-groups#0-human-centric-technology)]Human-centric Technology, [[url=https://www.aalto.fi/en/departments-of-information-and-communications-engineering/our-research-and-research-groups#1-communications-and-networked-systems](https://www.aalto.fi/en/departments-of-information-and-communications-engineering/our-research-and-research-groups#1-communications-and-networked-systems)]Communication and Networked Systems, and [[url=https://www.aalto.fi/en/departments-of-information-and-communications-engineering/our-research-and-research-groups#2-fundamentals-of-information-and-communications-engineering](https://www.aalto.fi/en/departments-of-information-and-communications-engineering/our-research-and-research-groups#2-fundamentals-of-information-and-communications-engineering)]Fundamentals of Information and Communications Engineering. At the department you will have numerous opportunities to link psychoacoustics, audio, acoustics, and other human-centric technologies. The activities of the department take place in the

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Otaniemi campus of Aalto University in Espoo (Helsinki metropolitan area).

We seek applicants with \* A doctoral degree in relevant technical field or in psychology \* A research background where psychoacoustics is applied in audio or any other field of acoustics \* Relevant teaching experience \* A strong publication record \* A passion for international collaborations and projects \* Capability in obtaining funding \* Committed team player with good interpersonal skills Applicants with an industrial background in addition to a scientific career are very welcome. The applicants will be reviewed based on their research work, teaching, and activity in the scientific community. We warmly encourage qualified candidates from diverse backgrounds to join our community.

We offer \* A research-oriented environment, with highly functional laboratories and excellent research infrastructure \* Possibility to work within a well-resourced learning community where the students are rigorously selected and highly motivated \* Tenure track position with promotion to tenured position based on merits \* Comprehensive benefits package including access to health care \* Substantial starting package (seed funding) and grant writing support to help you establish your own research team \* Excellent collaboration possibilities within the university

#### Tenure track in Aalto University

The position belongs to our [[url=https://www.aalto.fi/en/tenure-track](https://www.aalto.fi/en/tenure-track)]tenure track system. The salary is based on the Aalto University salary system, but you can also provide your own salary requests. Advancement on the Aalto tenure track and promotion to a tenured position is based on an evaluation of your achievements and merits against the Aalto tenure track criteria. Please see the details about the evaluation criteria and career path at the university webpage.

#### Ready to apply

Please submit your application at the latest on 31.3.2023 through our recruiting system by using the "Apply" link. Aalto University's employees and visitors please note you can apply for the position via our internal system Workday -> Career -> find jobs, by using your existing Workday user account.

Please include the following mandatory pdf documents in English

- Application letter
- Curriculum Vitae incl. ResearcherID and names and contact information for references
- List of publications with 10 most relevant publications regarding this position highlighted
- Research portfolio describing past research and plans for future research (max 5 pages)
- Teaching portfolio ([url=https://www.aalto.fi/sites/g/files/flghsv161/files/2021-](https://www.aalto.fi/sites/g/files/flghsv161/files/2021-)

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01/Teaching%20competence%20assessment\_Guidelines\_for\_candidate\_2020\_Aalto%20University\_FINAL.p  
for candidate)

General instructions for applicants including language requirements and guidelines for compiling the teaching portfolio, research portfolio, and CV can be found here: [[url=https://www.aalto.fi/tenure-track/interested-in-joining-our-tenure-track](https://www.aalto.fi/tenure-track/interested-in-joining-our-tenure-track)]interested in joining our tenure track. For short-listed candidates, Aalto University keeps the right to ask a new teaching portfolio for the evaluation.

#### Further Information

For additional information about the position, please contact Professor Ville Pulkki [[url=mailto:ville.pulkki@aalto.fi](mailto:ville.pulkki@aalto.fi)]ville.pulkki@aalto.fi or in questions related to the recruitment process, HR Partner Alina Järvinen [[url=mailto:alina.jarvinen@aalto.fi](mailto:alina.jarvinen@aalto.fi)]alina.jarvinen@aalto.fi. Aalto University reserves the right for justified reasons to leave the position open or to extend the application period.

#### Aalto University and Finnish Society

The School of Electrical Engineering promotes high-quality science, technology, and innovations for the benefit of the Finnish society and all of humankind. In our research environment, the natural sciences, engineering, and information technology intertwine to form smart systems and innovations that save energy and promote well-being. With our research, we seek to respond to many concerns posed by sustainable development and the results are applied, for example, in mobile devices, electrical networks, health care and in satellites. A special strength of the school is linking the research with the Finnish and international business sector. We have around 2000 students in total, and around 250 master's and 50 doctoral degrees annually. Our personnel consist of 700 people with over 60 professors. Diversity is part of who we are, and we actively work to ensure our community's diversity and inclusiveness.

At Aalto, high-quality research, art, education, and entrepreneurship are promoted hand in hand. Disciplinary excellence is combined with multidisciplinary activities, engaging both students and the local innovation ecosystem. Our main campus is quickly transforming into an open collaboration hub that encourages encounters between students, researchers, industry, startups, and other partners. 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 to strengthen Finland's innovative capability.

The greater Helsinki region is a world-class information technology complex, attracting potential scientists and researchers in various fields of electrical engineering. As a living and working environment, Finland consistently ranks high in quality of life, and Helsinki, the capital of Finland, is

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regularly ranked as one of the most livable cities in the world. More information about living in Finland: [\[url=https://www.aalto.fi/en/services/incoming-international-staff\]](https://www.aalto.fi/en/services/incoming-international-staff)Incoming international staff.

To visit our campus: [\[url=https://www.youtube.com/watch?v=&#61;3ZbZppJI-sA\]](https://www.youtube.com/watch?v=&#61;3ZbZppJI-sA)Aalto University Campus Tour - YouTube

More about Aalto University:

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### Contact Information

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

### Contact

Finland