

Doctoral Researcher in the area of human-centric AI for
smart manufacturing
Aalto University

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Posted May 20, 2025, set to expire Dec. 31, 2025

Job Title	Doctoral Researcher in the area of human-centric AI for smart manufacturing
Department	T412 Department of Information and Communications Engineering
Institution	Aalto University , , Finland
Date Posted	May 20, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Computer Science
Job Website	https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Doctoral-Researcher-in-the-area-of-human-centric-AI-for-smart-manufacturing_R43304

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.?

We are currently seeking a skilled and highly motivated Doctoral Researcher to address exciting

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research challenges in the area of human-centric AI for smart manufacturing.

Your role and goals

The doctoral researcher will participate in a Business Finland funded project, 'Human-Centric AI-enabled Collaborative Fieldwork Operations', and will contribute to the development of an AI assistance system for fieldworkers, with a focus on large language model-based solutions for context-aware instruction generation.

Your network and team

The mobile cloud computing group (mobilecloud.aalto.fi) led by Prof. Yu Xiao conducts experimental systems research on novel mobile computing systems for smart manufacturing and digital health. The doctoral researcher will have opportunities to collaborate with both academic and industrial partners throughout the project.

Your experience and ambitions

We are looking for candidates with a master's degree (or will complete master thesis by end of June 2025) in a relevant discipline and demonstrated hands-on experience with deep learning technologies. Experience with large language models or computer vision applications is considered as a plus.

What we offer

The contract period is initially for 2 years, with an extension possibility. The starting salary for doctoral researcher is 3000 Euro/month. Salary will increase according to the progress of doctoral study over time. The contract includes occupational health benefits, holiday bonus, and Finland has a comprehensive social security system.

Starting date: August 1, 2025, or as mutually agreed upon with the supervisor.

Join us!

If you want to join our community, please submit your application through our recruitment system, "Apply now" by June 10, 2025. To apply, please share the following application materials with us: * Cover letter * CV * Transcript * Recommendation letter(s)

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's students and visitors should apply as external candidates with personal (not aalto) email.

For more information regarding the open position, please contact Professor Yu Xiao,

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[url=mailto:yu.xiao@aalto.fi]yu.xiao@aalto.fi. In any questions regarding the recruitment process, please contact HR Advisor Monika Mäkinen, [url=mailto:hr-elec@aalto.fi]hr-elec@aalto.fi.

Aalto University reserves the right to leave the positions open, extend the application period, reopen the application process, and consider candidates who have not submitted applications during the application period.

Contact Information

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

Contact

Finland