

Postdoctoral Positions in Robot Learning, Manipulation  
and AI for Physical Systems  
Aalto University

Direct Link: <https://www.AcademicKeys.com/r?job=259014>

Downloaded On: Aug. 19, 2025 8:05pm

Posted Jul. 3, 2025, set to expire Dec. 31, 2025

<b>Job Title</b>	Postdoctoral Positions in Robot Learning, Manipulation and AI for Physical Systems
<b>Department</b>	T410 Dept. Electrical Engineering and Automation
<b>Institution</b>	Aalto University , , Finland
<b>Date Posted</b>	Jul. 3, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Electrical and/or Electronics Computer Science
<b>Job Website</b>	<a href="https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Positions-in-Robot-Learning--Manipulation-and-AI-for-Physical-Systems_R43689-1">https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Positions-in-Robot-Learning--Manipulation-and-AI-for-Physical-Systems_R43689-1</a>

**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 12 000 students, 400 professors and close to 4 000 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 Intelligent Robotics group ([url=https://irobotics.aalto.fi]https://irobotics.aalto.fi) at Aalto University's

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School of Electrical Engineering, an active participant in the Finnish Center for Artificial Intelligence (FCAI), ELLIS Institute Finland, and Aalto University House of AI, invites applications for multiple postdoctoral positions. Our team works actively to develop intelligent robotic systems with a particular emphasis on methods and systems that cope with imperfect knowledge and uncertain sensors. The research environment provides excellent opportunities for open-minded co-operation with highly motivated research staff as well as with top national and international partners, and access to state-of-the-art robot platforms. The group is highly international, and the working language is English. We are seeking excellent candidates at post-doctoral level to participate in new research endeavours, related to robot learning, manipulation, and AI for autonomous physical systems. The projects involve both academic and industrial collaborations with top partners in AI, robotics, and heavy mobile machines.

### Research Focus:

We aim to advance several critical areas in robotics and AI, including: \*

Robot Learning: Creating algorithms that empower robots to learn autonomously from interactions and adjust to new tasks. \*

Manipulation: Enhancing techniques for precise and adaptable object handling by robots. \*

Navigation: Crafting mapping and navigation solutions that take into account the semantics of complex, real-world environments. \*

AI for Physical Systems: Utilizing AI to boost the capabilities and efficiencies of physical agents, ranging from service robots, self-driving cars, and heavy machines.

### What We Offer: \*

A rich research environment equipped with cutting-edge robot platforms including multiple Franka Emika Panda, Boston Dynamics Spot, Hello Robot Stretch, and the Aalto autonomous car Alex. \*

Opportunities to engage in projects with top national and international partners, both academic and industrial, for career growth and impactful research. \*

A collegial atmosphere fostering interdisciplinary cooperation and innovation, with English as the working language.

### Candidate Requirements: \*

PhD or equivalent degree in Robotics, Computer Science, Machine Learning, AI, Control Engineering, or a related field. \*

Excellent programming skills and experience with related tools and software. \*

A strong publication record and proficiency in English, both written and spoken. \*

Ability to advise master's and doctoral students in their research.

### How to apply:

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To apply, please submit the documents indicated below using our online recruitment system ("Apply now!" link below), by August 3, 2025. Application materials should be submitted in a single pdf file and in English. Your application should include the following: \*

a short cover letter describing briefly your background and interests \*

a CV \*

a list of publications \*

the names and contact details of 2 references \*

links to electronic copies of 1-2 most relevant publications

All applicants will be notified of decisions.

Additional information:

For inquiries regarding the position, please contact Prof. Ville Kyrki via email at [ville.kyrki@aalto.fi](mailto:ville.kyrki@aalto.fi) or telephone at +358 50 4082035.

Intelligent Robotics group (<https://irobotics.aalto.fi>)<https://irobotics.aalto.fi>)

Working at Aalto: [[url=https://www.aalto.fi/en/careers-at-aalto/working-at-aalto](https://www.aalto.fi/en/careers-at-aalto/working-at-aalto)]<https://www.aalto.fi/en/careers-at-aalto/working-at-aalto>

Working in Finland: [[url=https://www.aalto.fi/en/careers-at-aalto/working-in-finland](https://www.aalto.fi/en/careers-at-aalto/working-in-finland)]<https://www.aalto.fi/en/careers-at-aalto/working-in-finland>

## **Contact Information**

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

### **Contact**

Finland