

Postdoctoral Researcher in Thin Film Deposition for
Antifogging Technology
Aalto University

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Posted Nov. 7, 2025, set to expire Mar. 9, 2026

Job Title Postdoctoral Researcher in Thin Film Deposition for
Antifogging Technology
Department T304 Dept. Applied Physics
Institution Aalto University
, , Finland

Date Posted Nov. 7, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Physics - General

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Researcher-in-Thin-Film-Deposition-for-Antifogging-Technology_R44697

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.

At the Department of Applied Physics, our pioneering research in physical sciences creates important industrial applications that hold great technological potential. Our research focuses on Materials physics, Quantum technology, Soft & living matter, and Advanced energy solutions. Topics extend

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from fundamental research to important applications. We educate future generations of research and development professionals, data specialists, technology experts, inventors, and scientists for industry and society.

The [\[url=http://physics.aalto.fi/smw\]](http://physics.aalto.fi/smw)Soft Matter and Wetting Group headed by Prof. Robin Ras at Aalto University invites applications for a postdoctoral position in thin film deposition for an advanced antifogging technology. The position is funded from a Business Finland commercialization project in a collaboration with the group of Prof. Heikki Nieminen.

Postdoctoral Researcher

We are seeking a motivated candidate to join our team. The successful applicant will be involved in the design, fabrication, and testing of functional thin film coatings.

Key responsibilities include: * Developing and optimizing advanced surfaces using state-of-the-art thin film technologies * Characterizing prepared thin films using advanced spectroscopic and microscopy techniques * Performing wettability and durability tests on developed materials * Participating in anti-fogging performance testing and analyzing experimental results * Participating in commercialization of developed materials

Qualifications: * PhD in one of the following broader experimental areas: physics, chemistry, materials science * Experience with thin film deposition (ALD, CVD, etc.) and/or surface characterization (contact angle goniometry, electron microscopy, ellipsometry, spectroscopy, etc.) is required * Strong analytical skills and ability to work independently and in a team environment * Excellent communication skills (fluency in English) and strong collaboration abilities

What we offer

The Postdoctoral researcher position will be based in Department of Applied Physics, Aalto University with high-tech facilities in this department along with the facilities in Micronova and OtaNano. OtaNano offers a wide variety of fabrication processes and equipment for micro- and nanostructures. The facilities cover a comprehensive range of equipment, including atomic layer deposition devices, electron microscopy, x-ray scattering, ellipsometry, spectroscopic equipment, etc.

The position is full-time and initially funded for one year, with the possibility of extension. The starting salary is approximately 4130-4550?€/month, depending on experience, and includes occupational healthcare.

We value a healthy work-life balance and actively support personal and professional development. You

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will have opportunities to collaborate with leading academic and industry partners and contribute to development of cutting-edge anti-fogging technology.

Join us!

Please submit your application including the attachments mentioned below as one single PDF document in English through our online recruitment system by using the link on Aalto University's web page (click the "Apply Now" button).

- (1) Letter of motivation
- (2) CV including list of publications
- (3) Contact details of at least two referees

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). If you are a student or visitor at Aalto University, please apply with your personal email address (not aalto.fi) via [\[url=https://www.aalto.fi/en/careers-at-aalto\]](https://www.aalto.fi/en/careers-at-aalto)Aalto University open positions

The deadline for applications is November 25, 2025. We will go through applications, and we may invite suitable candidates to interview already during the application period. The positions will be filled as soon as suitable candidates are identified.

For additional information, contact Prof. Robin Ras, robin.ras@aalto.fi

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

Want to know more about us and your future colleagues? You can watch these videos:

[\[url=https://www.youtube.com/watch?v=i8zawpNMVG8\]](https://www.youtube.com/watch?v=i8zawpNMVG8)This is Aalto University!

[\[url=https://www.youtube.com/watch?v=5k_og_6zUJQ\]](https://www.youtube.com/watch?v=5k_og_6zUJQ)Aalto University - Towards a better world
and [\[url=https://www.youtube.com/watch?v=ZK6pDWm1_CE\]](https://www.youtube.com/watch?v=ZK6pDWm1_CE)Shaping a Sustainable Future.

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

Check out our new virtual campus experience: [\[url=https://virtualtour.aalto.fi/\]](https://virtualtour.aalto.fi/)https://virtualtour.aalto.fi

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About Finland

Finland is a great place for living with or without family - it is a safe, politically stable and well-organized Nordic society. Finland is consistently ranked high in quality of life and was listed again as the happiest country in the world: [[url=https://worldhappiness.report/news/world-happiness-report-2025-people-are-much-kinder-than-we-expect-research-shows/](https://worldhappiness.report/news/world-happiness-report-2025-people-are-much-kinder-than-we-expect-research-shows/)]World Happiness Report 2025

For more information about living in Finland: [[url=https://www.aalto.fi/en/careers-at-aalto-for-international-staff](https://www.aalto.fi/en/careers-at-aalto-for-international-staff)]Aalto Careers for International Staff.

Contact Information

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

Contact

Finland