

Postdoctoral Researcher / Research Fellow for Research
and Project Management in Integrated Circuit (IC) Design
Aalto University

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Posted May 16, 2022, set to expire Sep. 15, 2022

Job Title Postdoctoral Researcher / Research Fellow for
Research and Project Management in Integrated
Circuit (IC) Design

Department T411 Dept. Electronics and Nanoeng

Institution Aalto University
, , Finland

Date Posted May 16, 2022

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Electrical and/or Electronics

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Researcher--Research-Fellow-for-Research-and-Project-Management-in-Integrated-Circuit--IC--Design_R33664

Apply By Email

Job Description

Electronic Circuit Design unit at the School of Electrical Engineering at Aalto University is looking for a POSTDOCTORAL RESEARCHER / RESEARCH FELLOW FOR RESEARCH AND PROJECT MANAGEMENT IN INTEGRATED CIRCUIT (IC) DESIGN

Job Description

In this position, you will act as a senior researcher contributing to integrated electronic circuit design research projects. You'll have an opportunity to work on various research topics related to our research portfolio and you will participate on guiding our M.Sc. and Ph.D. students.

Our research is closely tied to circuit design challenges faced by the IC industry, to which we provide

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solutions in context of industry-funded design projects. Our research covers digital electronics including e.g. Risc-V development, analog and mixed-mode designs, and RF and millimeter-wave circuits for communication and sensing. We mainly focus on CMOS technology, and we expect you to have such experience.

Your Background

You have a doctoral degree in Electrical Engineering. Your background can be in any field of integrated circuit design, but we expect you to be open-minded and willing to learn more. In this position you need to have strong hands-on experience in integrated circuit design and tools (simulations, layout, measurements and Unix operating system working environment). We seek a person with experience on the IC design cycle: circuit design - IC layout & tapeout - measurements - publications. Please document these activities in your application. Note that only persons with this background are eligible to apply.

Research Group

[\[url=https://www.aalto.fi/en/department-of-electronics-and-nanoengineering/electronic-circuit-design\]](https://www.aalto.fi/en/department-of-electronics-and-nanoengineering/electronic-circuit-design)Electronic Circuit Design | Aalto University is recognized as one of the best in Europe. Research of RF, analog, and digital integrated circuits has been carried out in the Electronic Circuit Design unit already over three decades and we have a strong network of collaborators and funding. The Electronic Circuit Design group of the department has three Professors (Jussi Ryyänen, Martin Andraud and Kari Halonen), 2 senior researchers and about 20 Doctoral Candidates and Research Assistants working in world-class research facilities. Researchers of the unit have received several awards in highly recognized international conferences. The ECD unit is part of the [\[url=https://www.aalto.fi/en/department-of-electronics-and-nanoengineering\]](https://www.aalto.fi/en/department-of-electronics-and-nanoengineering) Department of Electronics and Nanoengineering | Aalto University at the [\[url=https://www.aalto.fi/en/school-of-electrical-engineering\]](https://www.aalto.fi/en/school-of-electrical-engineering) School of Electrical Engineering | Aalto University at Aalto University, Finland.

Salary and Contract Terms

Postdoctoral Researcher or Research Fellow position will be filled for 2-3 years. The expected starting salary for a Postdoctoral Researcher is approximately 3700 €/month and for a Research Fellow approximately 4000 €/month, both depending on experience and qualifications. As an employer, Aalto University provides excellent learning and development opportunities as well as occupational health care services, commuter ticket benefit and versatile exercise services by Unisport. Finland has a comprehensive social security system.

Ready to apply?

Please submit your application through our recruitment system and include the following documents as one pdf package, in English:

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- Application letter
- Curriculum Vitae
- The list of publications with the most significant publications highlighted
- Course transcripts of Doctoral degree with grades and Certificate of the Doctoral degree
- Research statement describing past research and plans for future research
- References

Deadline for applications is 7 June 2022, but we will start reviewing candidates immediately. Applications will be considered until the position is filled.

More Information

For additional information please contact Professor Jussi Ryyanen, firstname.lastname@aalto.fi.

About Finland

Aalto University is an international community, more than 40% of our academic faculty comes from outside 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 just listed again as the happiest country in the world: [\[url=https://worldhappiness.report/blog/finland-again-is-the-happiest-country-in-the-world/\]](https://worldhappiness.report/blog/finland-again-is-the-happiest-country-in-the-world/)Finland Again is the Happiest Country in the World | The World Happiness Report . For more information about living in Finland:

[\[url=https://www.aalto.fi/services/about-finland\]](https://www.aalto.fi/services/about-finland)<https://www.aalto.fi/services/about-finland>

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



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