

Assistant Professor in Low-Power Mixed-Signal IC design

The Department of Electrical and Computer Engineering, Aarhus University, invites applications for a position as Assistant Professor in the field of Integrated Circuits. The position is a 4-year fixed-term full-time position and is available from 1st May 2025 or as soon as possible hereafter. The place of work will be at ICELAB research group, Finlandsgade 22, 8200 Aarhus N, and the area of employment is Department of Electrical and Computer Engineering, Aarhus University with related departments.

Expected start date and duration of employment

The position is a 4-year fixed-term full-time position and is available from 1st May 2025 or as soon as possible hereafter.

Job description

As an Assistant Professor in Low-Power Mixed-Signal IC Design, your responsibilities will include:

- Conducting high-quality research within low-power mixed-signal integrated circuit design.
- Supervising PhD, Master, and Bachelor students.
- Seeking external research funding and developing collaborative projects with industry and academia.
- Teaching and curriculum development at undergraduate and graduate levels.
- Engaging in outreach activities and dissemination of research findings.
- Contributing to departmental and university service activities.

Your profile

Applicants should hold a PhD in Electrical Engineering with a specialization in low-power mixed-signal IC design.

The ideal candidate will have:

- A strong research profile with a track record of high-impact publications in leading journals and conferences.
- Expertise in the design, simulation, and fabrication of mixed-signal integrated circuits.
- Experience with CAD tools for IC design and verification.
- A proven ability to attract research funding from public and private sources.
- Experience in supervising students at various academic levels.
- A strong commitment to teaching, including experience developing and delivering courses.
- Excellent communication skills and a collaborative mindset.

Who we are

Electrical and Computer Engineering are closely related engineering disciplines that focus on the development of hardware and software for intelligent units and networks. This includes hardware at system and component levels as well as many different types of software for controlling electronic devices and networks.

The research areas within the Electrical and Computer Engineering Department support the development within this area. The outcome greatly influences our daily lives as advanced technologies are incorporated into an increasing number of products, for example in industrial processes, at hospitals, and in information infrastructures.

What we offer

The department offers:

- a well-developed research infrastructure, laboratories and access to shared equipment.

Application Deadline:
17 March 2025

Institute/Faculty:
Department of
Electrical and
Computer Engineering

Faculty:
Faculty of Technical
Sciences

Academic contact person:
Farshad Moradi
Professor
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+4541893344

Vacant positions:
1

Hours per week:
37

Expected date of accession:
01/05/2025

- an exciting interdisciplinary environment with many national, international and industrial collaborators
- a research climate encouraging lively, open and critical discussion within and across different fields of research
- a work environment with close working relationships, networking and social activities
- a workplace characterised by professionalism, equality and a healthy work-life balance.

Place of work and area of employment

The place of work is at ICELAB research group, Finlandsgade 22, 8200 Aarhus N, Denmark, and the area of employment is Department of Electrical and Computer Engineering, Aarhus University with related departments.

Contact information

For further information, please contact the Director of the ICELAB research group, Prof. Farshad Moradi, at (+45) 41893344, moradi@ece.au.dk.

Deadline

Applications must be received no later than 17th March 2025.

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the assessment committee if necessary, – the head of department selects the candidates to be evaluated. The selection is made on the basis of an assessment of who of the candidates are most relevant considering the requirements of the advertisement. All applicants will be notified within 6 weeks whether or not their applications have been sent to an expert assessment committee for evaluation. The selected applicants will be informed about the composition of the committee and will receive his/her assessment. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants.

Letter of reference

If you want a referee to upload a letter of reference on your behalf, please state the referee's contact information when you submit your application. We strongly recommend that you make an agreement with the person in question before you enter the referee's contact information, and that you ensure that the referee has enough time to write the letter of reference before the application deadline.

Unfortunately, it is not possible to ensure that letters of reference received after the application deadline will be taken into consideration.

If you wish to add a referee **after** you have submitted your application, you must send this person's details (name, job title, place of work, and email address) as well as the name of the position you have applied for to: HR.Nattech@au.dk

Formalities and salary range

Technical Sciences refers to the [Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation](#).

The application must be in English and include a curriculum vitae, degree certificate, a complete list of publications, a statement of future research plans and information about research activities, teaching portfolio and verified information on previous teaching experience (if any). Guidelines for applicants can be found [here](#).

Appointment shall be in accordance with the collective labour agreement between the Danish Ministry of Taxation and the Danish Confederation of Professional Associations. Further information on qualification requirements and job content may be found in the [Memorandum on Job Structure for Academic Staff at Danish Universities](#).

Salary depends on seniority as agreed between the Danish Ministry of Taxation and the Confederation of Professional Associations.

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

Ensuring gender balance at the Department of Electrical and Computer Engineering is a high priority at Aarhus University, and therefore, we particularly encourage women to apply for this position. No candidate will be given preferential treatment, and all applicants will be assessed on the basis of their qualifications for the position in question.

Research activities will be evaluated in relation to actual research time. Thus, we encourage applicants to specify periods of leave without research activities, in order to be able to subtract these periods from the span of the scientific career during the evaluation of scientific productivity.

Aarhus University offers a broad variety of services for international researchers and accompanying families, including relocation service and career counselling to expat partners. Read more [here](#). Please find more information about entering and working in Denmark [here](#).

The application must be submitted via Aarhus University's recruitment system, which