Multiple Professor positions open within: Cyber Security, Computer Vision and Artificial Intelligence, and Robotics and Drone Technology

The Department of Electrical and Computer Engineering at Aarhus University is currently expanding. With an ambitious recruitment plan, the Department is encouraging and inviting applicants motivated by excellence in research and teaching, to apply for a full-time professorship, starting from 1 February 2026 or as soon as possible hereafter. You will be expected to contribute significantly on research, teaching and external collaboration on societal changes in one of the areas: **Cyber Security, Computer Vision, Artificial Intelligence, Robotics and Drone Technology.**

Job description:

Your tasks will be to conduct independent research, with international quality within one or more areas, listed below.

Cyber Security: including, but not limited to design of secure systems, privacy protection, cloud and network security, resilient distributed systems, resilient infrastructure, trusted execution environments, software supply chain and ecosystem security, and/or malicious code detection.

Computer Vision and Artificial Intelligence: including but not limited to machine learning, deep learning, image/video analysis, NLP, robustness and adversarial defenses, physics-informed machine learning, privacy-preserving training, cross-modal reasoning, and/or explainable AI.

Robotics and Drone Technology: including, but not limited to autonomy and autonomous systems, multi-agent coordination, aerial robotics, machine learning and AI for robotics, edge AI for robotics, navigation, control, energy-aware path planning, and/or human-robot interaction.

Your job will also include research with societal and industrial impact and interdisciplinary and international collaborations, securing competitive funding and leading large-scale projects. We expect you to bring experience in international collaborations and partnerships with public and private stakeholders, and a track record of securing high-impact research.

You will also be responsible for teaching and supervising Bachelor's and Master's degree students at the department. We will encourage you to build your own research group within the department, including Postdoctoral Researchers and PhD students.

In your daily work, you will work closely with Danish and international colleagues in a multidisciplinary environment. We anticipate you will be an integral part of the research and teaching environment, able to collaborate and build relationships, and contribute positively to the social working environment. We do not expect you to speak/write Danish when you arrive, but we expect you to learn.

Your profile:

- You are an established professor with great experience within research and teaching. You have a Ph.D. in Electrical and Computer Engineering (or a similar area) related to one of the areas listed above.

- You are a skilled teacher, who can supervise students at the BEng, BSc's, MsC's and PhD-level and carry out individual and group-based research. It is positive if you have completed pedagogical teaching and supervision courses. Otherwise, Aarhus University offers these courses on a regular basis.

- You are a motivational and supportive leader who builds trust with students, colleagues, and partners.

- You communicate complex knowledge clearly and act as an inspiring and responsible supervisor.

Application Deadline:
24 October 2025

Faculty:
Faculty of Technical Sciences

Institute/Faculty:
Department of Electrical and Computer Engineering

Academic contact person:
Mikael Bergholz Knudsen
Institutleder
mbk@ece.au.dk
+4521745355

Vacant positions:
1-3

Hours per week:
37

Expected date of accession:
01/02/2026

- You take co-responsibility for advancing the department's impact-based research and education, while contributing to a positive work environment.

- You naturally engage in inter- and cross-disciplinary collaborations at all levels.

Who are we and what we offer:

The Department of Electrical and Computer Engineering at Aarhus University is organized into five sections, conducting research across a broad range of disciplines and subdisciplines applied in domains such *Electrical and computer engineering*, *hardware* and *software technologies*. We focus on research and development activities in the fields of *communication and networks*, *control and automation*, *photonics*, *signal processing*, *software and IT systems*, *robot technology*, *medical technology*, *health technology*, *electrical energy technology*, and *acoustics and sound technology*. We strongly encourage interdisciplinary, research-based innovation, collaborating extensively with both public and private-sector partners to ensure that our research has real-world impact.

As one of four engineering departments within the Faculty of Technical Sciences, our vision is to be world-leading in research, education, and innovation, creating visible societal and environmental benefits through excellence, collaboration, and diversity. Many of our projects are driven by specific innovation needs of industry, ensuring practical relevance and societal value.

We are committed to take care of a diverse and inclusive environment with equity and diversity as core values for recruitment as well as for daily study and work life. Read more about, how it is to work at the Department of Electrical and Computer Engineering, please visit https://ece.au.dk/en/job-and-career

See more about the Department and our activities on https://ece.au.dk/en/ or on LinkedIn: https://www.linkedin.com/company/au-ece/

Place of work and area of employment:

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

Contact information:

For further information, please contact: Head of Department Mikael Bergholz Knudsen: mbk@ece.au.dk / +4521745355 or Deputy Head of talent development and external funding Daniel E. Lucani Rötter: daniel.lucani@ece.au.dk / +4593508763

Deadline:

Applications must be received no later than 24th of October 2025.

Living and working in Denmark:

- Subsidised childcare and free education from primary school through university.

- Universal healthcare for you and your family as residents.

- Five weeks of paid holiday per year.

- Generous parental leave – up to 52 weeks shared between parents, with full or partial salary.

Denmark as a country offers the opportunity to pursue a career without compromising your family life and in general work-life balance in Denmark are among the best in Europe. In addition, Denmark is a safe place to live with a very low crime rate and is in general secure and equal. The Danish society builds on a welfare system which means your taxes goes into welfare services such as free healthcare and education. Taxes in Denmark are high but international academic staff members can, under certain conditions, benefit from a special tax scheme to further improve working conditions. On top of this collective agreements guarantee you a safe workplace, fair wages, pay during sickness, paid paternity/-maternity leave, flexible work hours and much more. You can also contact our International Staff Office.

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 can be accessed under the job advertisement on Aarhus University's website.