

R&D Engineer in Internet of Things

Are you passionate about compression, analytics, and machine learning for the Internet of Things and can you contribute to the development, operation and support in cutting-edge projects in strong collaboration with industry? The Department of Electrical and Computer Engineering at Aarhus University is looking for a R&D Engineer (TAP) position from April 15, 2026 or as soon as possible. This is a fixed term position until September 30, 2029.

Expected start date and duration of employment

This is a fixed-term position from April 15, 2026 or as soon as possible to end on September 30, 2029.

Job description

- You will be contributing to design and development of software prototypes for use in research and industrial projects.
- You will work together with industrial and academic partners and supporting adequate technology transfer.
- The position will focus on aspects of data compression techniques that will enable end-to-end compressed operation, including analytics, queries and learning straight on compressed data.
- You will be involved in technical discussions with internal members of staff as well as external partners.
- These activities will require hands-on software development

Your profile

- Experience working with research groups in academia
- Industrial experience designing and supporting large-scale projects
- Software engineering experience
- Experience with data communications, Internet of Things, and networking is required
- Some experience with data compression is desired.
- Good collaboration and management skills
- Good communication and language skills. Good communication in English is desired

Who we are

The Department of Electrical and Computer Engineering contributes new knowledge and cutting-edge technology to some of today's urgent societal challenges – from the green transition and digitalisation to healthcare technology and intelligent systems. Through an international research environment, strong academic programmes, and interdisciplinary collaboration, we develop technological solutions that drive business growth and make a real difference to people and society.

The Communications, Control and Automation Section focuses on areas of networking, computing, communications, data analytics, storage and operations management.

The Network Computing, Communications and Storage (NET-X) research group addresses fundamentally challenging problems in future communication networks by including computation and data storage capabilities within the network itself.

NeXt develops techniques and practical solutions grounded on information theory, communication theory, signal processing, and networking theory.

Our team's work goes from proposing and developing theoretical frameworks and mathematical models, all the way to the development of software libraries, prototypes, and demonstrations in real devices.

<https://ece.au.dk/>

What we offer

Application Deadline:
11 March 2026

Institute/Faculty:
Department of
Electrical and
Computer Engineering

Faculty:
Faculty of Technical
Sciences

Academic contact person:
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Vacant positions:
1

Number of months:
42

Hours per week:
37

Expected date of accession:
15/04/2026

- a well-developed research infrastructure, laboratories and access to shared equipment
- an exciting interdisciplinary environment with national, international and industrial collaborators
- a work environment encouraging lively, open and critical discussion
- a workplace characterised by professionalism, equality and a healthy work-life balance

Place of work and area of employment

The place of work is Helsingforsgade 10, Building: 5123, Aarhus N, 8200, and the area of employment is Aarhus University with affiliated institutions.

Contact information

For further information, please contact: Professor Daniel Enrique Lucani Rötter, +45-93508763, daniel.lucani@ece.au.dk.

Deadline

Applications must be received no later than March 11, 2026.

Formalities and salary range

Salary and terms as agreed between the Danish Ministry of Taxation and the Confederation of Professional Unions.

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.

The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.

Aarhus University

Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,300 employees, and has an annual revenues of EUR 935 million. Learn more at www.international.au.dk/