

Post Doctoral Researcher in Generative AI applied to Knowledge Classification in Software Engineering, Department of Electrical and Computer Engineering, Aarhus University

The Section for Software Engineering and Computing Systems, at the Department of Electrical and Computer Engineering (ECE), invites applicants for a one-year postdoctoral position within the area of Empirical Software Engineering (EMSE).

This position is funded by Aarhus University Research Foundation's Recruiting grant (AUFF Grant). This grant aims to significantly expand our understanding of the use of Generative AI for knowledge classification in software engineering. The research will entail carrying out a number of experiments and also the development of tools to support the classification of such knowledge.

Join us as a Post Doctoral Researcher in Empirical Software Engineering and dive into cutting-edge research, harnessing Generative AI for Knowledge classification in software engineering. Shape the future of Software Engineering with us!

Expected start date and duration of employment

This is a one-year fixed-term position with employment starting date set for the 1st of September 2026, or as soon as possible thereafter.

The research to be addressed

AI has been applied to Software Engineering for some time, and in areas such as software effort estimation, defect prediction, and software development in general. And more recently, the proposal of Large Language Models opened a wider range of opportunities to explore its use for Software Engineering (LLM4SE). This is the main goal of this research, i.e., to apply LLMs within the context of knowledge classification via the development of ontologies and other classification solutions.

The applicant will work in the Software Engineering Research group, which is one of several Research Groups part of the Software Engineering and Computing Systems Section at AU-ECE.

Job description

The applicant will work in the Software Engineering Group, which is one of several Research groups part of the Software Engineering and Computing Systems Section at the department. The use of AI4SE is already being investigated within this research group, via another two research projects. This means that the applicant will immediately engage in a wider collaboration within the Software Engineering group, and potentially across other research groups in the SECS Section.

Your profile

Required qualifications:

- A Ph.D. degree in Computer Science, Data Science, Software Engineering or related field.
- Solid research experience in applied AI, and with Large Language Models.
- Solid programming expertise.
- Experience with publishing in journals and conferences.
- Fast learner with interests in multidisciplinary research.
- Be the main author in at least one journal publication published at a high impact journal. This journal does not need to be in the field of Software Engineering but needs to be of high impact.
- Excellent English skills, both orally and written.
- Ability to collaborate effectively within a multidisciplinary and multicultural team.
- Inclusive and open minded.

Who we are

Application Deadline:
28 June 2026

Institute/Faculty:
Department of
Electrical and
Computer Engineering

Faculty:
Faculty of Technical
Sciences

**Academic contact
person:**
Emilia Mendes
Professor
eme@ece.au.dk

Vacant positions:
1

Number of months:
1

Hours per week:
37

**Expected date of
accession:**
01/09/2026

Further details about the Software Engineering and Computing Systems Section can be found here: <https://ece.au.dk/en/research/key-areas-in-research-and-development/software-engineering-computing-systems>

Further details about the Department of Electrical and Computer Engineering can be found here: <https://ece.au.dk/en/about-the-department>

Follow us on our LinkedIn.

What we offer

The department offers:

- a well-developed research infrastructure, laboratories and access to shared equipment.
- 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 Helsingforsgade 10, 8200 Aarhus N, Denmark, and the area of employment is Aarhus University with related departments.

Contact information

Additional information relating to this job opening position can be obtained by contacting the project leader, Professor Emilia Mendes (eme@ece.au.dk).

Deadline

Applications must be received no later than the 28th of June 2026.

Application procedure

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the appointment committee if necessary, – the head of department selects the candidates to be evaluated. All applicants will be notified 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 each applicant is given the opportunity to comment on the part of the assessment that concerns him/her self.

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.

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](#).

Aarhus University also offers a Junior Researcher Development Programme targeted at career development for postdocs at AU. You can read more about it [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.

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 37,000 students (FTEs) and 8.700 employees and has an annual revenue of EUR 1.106 billion. Learn more at www.international.au.dk/