

Tenure Track Assistant Professors or Associate Professors in Construction 4.0 and Construction Management

The Department of Civil and Architectural Engineering at Aarhus University is looking for innovative and visionary tenure track Assistant Professors or Associate Professors in Construction Management and Engineering. The position is part of the Lean Construction research group and focuses on construction 4.0 and emerging technologies to advance Lean thinking, digitalization, and construction.

Expected start date and duration of employment

The position is available from June 1, 2026, or as soon as possible thereafter.

Job description

The position is part of the Lean Construction research group, where the department wishes to enhance and develop its Construction Management and Engineering activities with researchers who have demonstrated proficiency in basic and applied interdisciplinary research in the fields of:

- Construction Management and Lean Construction.
- Production Planning and Control.
- Data-driven analytics and management of construction operations.
- Construction Informatics, including Building Information Modelling (BIM) and digital twins of construction processes.
- Construction Technologies, Internet of Things (IoT), and Data Infrastructures for Construction 4.0 supporting operational decision-making and production control.
- Visual management and Situation Awareness in Construction Production Systems.
- Sustainable construction and green construction sites.

The department particularly welcomes applicants whose research combines digital technologies with an understanding of construction as a socio-technical production system, including human, organizational, and operational dimensions of project execution.

The applicant is expected to conduct applied research through externally sponsored projects; thus, prior experience from productive research collaborations within academia and industry is required. Prior involvement in the Danish Construction Industry is desired but not essential. A pre-existing and growing international research network is expected.

The applicant must show to be a skilled researcher documented through rising publication and citation records evidenced by appropriate bibliometric parameters in reputable construction management and engineering or related journals. International experience and extensive postdoctoral training are expected.

Applicants are expected to participate in research supervision of MSc students, Ph.D. candidates, and postdocs, be engaged in research project management, and have the potential to attract externally funded research. The applicant will be required to teach existing civil and architectural engineering related courses and potentially develop new, specialized course offerings within their field of specialty in the Department's BSc and MSc programs.

Your profile

Candidates must demonstrate potential for high-level research and teaching. Some years of post-graduate research and publication experience are required. Experience from productive external research collaborations with industry and academia, project management skills, and experience in attraction of national and international external funding are preferred. The following experience is a requirement:

- Collaboration with the construction industry and academia.
- Construction site experience including collecting (manually and automated),

Application Deadline:
16 March 2026

Institute/Faculty:
Department of Civil and Architectural Engineering

Faculty:
Faculty of Technical Sciences

Academic contact person:
Søren Wandahl
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Vacant positions:
2

Hours per week:
37

Expected date of accession:
01/06/2026

analyzing, and interpreting of construction productivity and progress data.

- Sensors, IoT, and technologies for collecting data.
- Teaching and developing undergraduate courses. Courses may include Engineering Economics, Civil Engineering Construction, Project Management, Engineering Budget Estimating, Bidding and Contract Management, as well as courses related to BIM and Construction 4.0.
- Supervising undergraduate and graduate students.

The candidate's qualifications determine whether they are qualified for the associate or assistant professor level.

Who we are

Department of Civil and Architectural Engineering was established on January 1, 2021, in connection with Aarhus University's reorganization of the engineering area. The department employs around 100 people and is responsible for research and education within the department's scientific areas. We educate both Bachelors and Masters of Science in Engineering and around 1000 students are enrolled in our study programs. Furthermore, we also offer an ambitious PhD program. Our PhD students are committed to high standards and yield impressive results for both the private and the public sectors.

Through research and development, we forge sustainable technological solutions to some of the biggest challenges facing industry and society. We aim to contribute to sustainable development and to create green solutions to challenges within construction, indoor climate, geotechnics, environmental and climate adaptation and many other areas.

Our research is both basic and applied, and we develop current knowledge into workable solutions in the business community. We collaborate with a wide range of public and private enterprises, and many of the department's research and development activities are based on the innovation needs of the business community. Through collaboration, we ensure that the knowledge and technology generated in the university's technical research environments are clearly anchored in reality and benefit the surrounding society. Based on our research on building materials, architectural design and technology, we also offer research-based public sector services and consultancy on technology to public agencies and ministries.

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 Inge Lehmanns Gade 10, DK-8000 Aarhus C, Denmark and the area of employment is Aarhus University with related departments.

Contact information

For further information, please contact: Professor Søren Wandahl, +45 4189 3216 or swa@cae.au.dk

Deadline

Applications must be received no later than 16 March 2026.

Technical Sciences Tenure Track

Aarhus University offers talented scientists from around the world attractive career perspectives via the Technical Sciences Tenure Track Programme. Highly qualified candidates are appointed as Assistant Professors for a period of six years with the prospect of performance- based advancement to a tenured Associate Professorship.

The aim of the Technical Sciences Tenure Track Programme is to:

- attract outstanding talented individuals that are competitive at an international level
- to promote the early development of independent research success early in the career of scientists
- to create transparency in the academic career path

As part of the tenure track position, the candidate is offered:

- access to research infrastructure
- capability development, including postgraduate teacher training
- a mentoring programme
- support to develop scientific networks and to secure interdisciplinary research at the highest level

As part of the Aarhus University Tenure Track Programme, the University carries out a mid-way evaluation to review the progress of the tenure track candidate after three years, according to the same criteria used in the final tenure review. The final tenure review is conducted after five and a half years. If the review is positive, the candidate will be offered a tenured position as Associate Professor at Aarhus University.

Please refer to the [tenure track guidelines](#) for the tenure review criteria and for the tenure review process.

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 Civil and Architectural 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.

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