

# Two Associate Professor/Tenure Track Assistant Professor positions in Selected Areas of Mathematical Economics, Statistics and Data Science

The Department of Mathematics at Aarhus University seeks candidates with excellence and vision in their research for **two Associate Professor/Tenure Track Assistant Professor positions in Selected Areas of Mathematical Economics, Statistics and Data Science**. Aarhus University is an international top 100 university with its campus located centrally within the city of Aarhus, Denmark. The positions are open from 1 February 2023.

We are in particular searching for candidates with documented research activity within the following areas

- Applied Statistics
- Financial Mathematics
- Insurance Mathematics
- Statistical Learning
- Stochastic Optimization

In 2019 the Department of Mathematics underwent a strategy review, resulting in 10 specific strategic goals being set for the period 2020—2025. See [here](#). With this call we want to add two new researchers to the scientific staff that can contribute to a stimulating environment, helping the department meet its strategic goals by the year 2025.

The Department of Mathematics currently employs 34 permanent scientific staff members within the traditional mathematical disciplines and stochastics. The Department of Mathematics houses an applied Statistics Laboratory, is a stakeholder in DIGIT, "Centre for Digitalisation, Big Data and Data Analytics", and has collaborations with BiRC, "Bioinformatics Research Centre", and CREATES, "Center for Research in Econometric Analysis of Time Series".

## The successful candidate should have:

- A record of original scientific contributions to one of the areas listed above.
- A track record of independent and collaborative research.
- A documented ability and interest in taking responsibility for teaching at all levels.
- Obtained, or the convincing potential to obtain, external funding for research activities.
- The potential to help the department meet its strategic goals.

## The successful candidate is expected to:

- Shine in international collaborative research.
- Teach and develop courses offered by the department at all levels.
- Supervise/co-supervise students at all levels from Bachelor to PhD.
- Build and sustain a research group around her/himself through external funding.
- Contribute towards the department's strategic goals.

## What the Department of Mathematics, the city of Aarhus as well as Denmark can offer the successful candidate:

- A typical teaching load of 4-5 hours of lectures per week during the semester, plus project supervision.
- Administrative support and professional guidance for submitting grant applications.

**Application Deadline:**  
01 June 2022

**Faculty:**  
Faculty of Natural Sciences

**Institute/Faculty:**  
Department of Mathematics

**Academic contact person:**  
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**Vacant positions:**  
2

**Hours per week:**  
37

**Expected date of accession:**  
01/02/2023

- A positive and international work environment with a flat hierarchy.
- Subsidized preschool child care and a free education system from primary school up to university level.
- Universal health insurance as a resident of Denmark, including family members officially residing in Denmark.
- Five weeks paid holiday per year.
- In connection with child birth: the right to have a total of 52 weeks shared maternal/paternal leave with full or partial salary pay.

We encourage all applicants to apply. Ensuring gender balance at the Department of Mathematics is a high priority at Aarhus University, and 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.

Note that female applicants would automatically contribute towards one of the department's strategic goals, which is to improve gender balance.

The positions will be re-posted if there is a well-grounded presumption that a second advertisement will attract a more diverse and qualified pool of applicants.

The applicants may upload up to ten key publications with the application. While the assessment committee will evaluate the overall scientific achievements of all shortlisted candidates, the committee can only be expected to look into individual scientific results amongst those contained in publications submitted with the application.

### **Place of work**

Place of employment is Aarhus University, and place of work is Department of Mathematics, Faculty of Natural Sciences, Ny Munkegade 118, 8000 Aarhus C.

### **Natural Sciences Tenure Track**

Aarhus University offers talented scientists from around the world attractive career perspectives via the Natural 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 position.

The aim of the Natural 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.

### **Formalities and salary range**

Natural 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 Finance 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 Finance 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](#).

*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 8,000 employees, and has an annual revenues of EUR 885 million. Learn more at [www.international.au.dk/](http://www.international.au.dk/)*