Associate Professor in Statistics

Norwegian University of Science and Technology    Trondheim, Norway

The Faculty of Information Technology and Electrical Engineering at the Norwegian University of Science and Technology (NTNU) invites applications for a full-time associate professorship in statistics affiliated with the Department of Mathematical Sciences (IMF).

Information about the Department

The Department of Mathematical Sciences has 35 full professors, 20 associate professors and 4 assistant professors. In addition, there are 2 adjunct professors, 5 adjunct associate professors, about 20 postdoctoral fellows and about 60 doctoral students. There are 11 women in tenured positions. The department has five research groups: algebra, analysis, differential equations and numerical analysis, geometry and topology, and statistics.

The department has a wide range of teaching responsibilities. This includes all the basic education in mathematical sciences for engineering and natural science students, Bachelor’s and Master’s programs in Mathematical Sciences, and a special Master’s program in Industrial Mathematics for engineering students. The department also plays a central role in a Master’s program for the education of high school science teachers. The master programs enjoy ample recruitment of highly qualified candidates, and as a consequence, the same holds also for the PhD-program.

The department aims to sustain and strengthen the research activity within mathematical sciences, improve the teaching at all levels, and strengthen the capacity for supervising master- and PhD-students. The department is currently involved in several innovative teaching activities.

About the position

Skills in statistics and data analysis are currently in high demand in society. An important reason for this is the fact that statistical thinking plays an important role in rapidly growing fields such as data science, big data, machine learning, and artificial intelligence. At NTNU we are experiencing increased student attendance at our statistics courses and study programmes.
The Statistics group has 14 permanent staff (full and associate professors), 3 adjunct professors, 3 postdocs and 17 PhD students. In 2018, we supervise 60 students at the master's level in statistics.

Our research in statistics is centred around computational statistics, biostatistics, industrial statistics, population biology, spatial statistics, mathematical statistics and statistical learning. A large part of the research is methodological and theoretical, but motivated by applications in other disciplines.

In order to strengthen our research and teaching in statistics, we are opening a position as associate professor. This position is one out of nine strategic professorships announced simultaneously at NTNU.

The workplace will be in Trondheim.

**Responsibilities and duties**

The associate professor is expected to contribute towards excellent research and research-based education in statistics in cooperation with the existing staff.

The research activities of the department have a strong international profile and impact. The associate professor is therefore expected to initiate and take part in national and international research projects. Interdisciplinary collaboration and interaction with other departments at NTNU are strongly encouraged.

The research activities of the department rely crucially on external funding, and the development of educational programs may also receive external funding. The associate professor is expected to work actively to receive research grants and other external income from the Research Council of Norway, Nordic and European research and educational agencies, relevant industry, and other available sources.

The associate professor is expected to contribute to an excellent learning environment, in collaboration with colleagues, students, and external stakeholders. The associate professor is expected to teach courses at all levels and should supervise MSc and PhD students.

In addition to research and education, the associate professor is expected to be able to disseminate relevant parts of her/his research to a wider audience.
The associate professor is expected to participate in the formal management of research, education, and other relevant areas of activity in agreement with the Head of Department.

**Qualifications**

Applicants must hold a PhD in statistics. The applicant will primarily be evaluated on the basis of scholarly achievements and research potential, teaching experience and teaching potential, communication skills, and leadership potential.

The successful applicant must have a strong academic track record showing internationally competitive research, or demonstrate a clear potential to make a future international impact.

Documented teaching qualifications and experience will be considered a significant advantage. The applicant should demonstrate communication skills that qualify for excellent teaching, supervision, and dissemination.

Documented external funding and experience with research leadership will be rated positively. A person employed in the category of associate professor will later have the possibility of applying for a full professorship.

Concerning general criteria for the position, we refer to the Norwegian regulations concerning appointment and promotion to teaching and research posts:

https://www.regjeringen.no/no/dokumenter/regulations-concerning-appointment-and-promotion-to-teaching-and-research-posts/id2519258/

**Formal regulations**

If the candidate does not have prior formal pedagogical qualifications in university-level teaching, the candidate must complete a recognized course which gives a pedagogical qualification within the first two years of employment. NTNU offers such courses.

New faculty members who are not already fluent in a Scandinavian language are expected to achieve proficiency in Norwegian or another Scandinavian language within three years. This proficiency should correspond to level three in the “Norwegian for foreigners” courses provided at the Department of Applied Linguistics at NTNU.

Diversity is important to achieve a good, inclusive working environment. We encourage all qualified applicants to apply, regardless of gender, disability, and cultural
background. NTNU wishes to increase the number of women on its workforce, and women are specifically encouraged to apply.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants, and assessments regarding the legislations regulating export control. The candidate must adhere to regulations that concern changes and developments within the discipline and/or the organizational changes concerning activities at NTNU.

Under Section 25 of the Freedom of Information Act, information about the applicant may be made public even if the applicant has requested not to have his or her name entered on the list of applicants.

Further details about the position can be obtained from Head of Department, Professor Einar Rønquist, phone: +47 73593547, e-mail: einar.ronquist@ntnu.no

**Salary Conditions**

The position as associate professor is normally remunerated with gross salary from NOK 490 900 to NOK 722 400 a year. 2% of the salary will be deducted as an obligatory premium to the Norwegian Public Service Pension Fund.

**Application requirements**

Applications are to be submitted electronically through this page (www.jobbnorge.no). Preferably, all attachments should be combined into a single file.

The application should contain:

- CV including information relevant for the qualifications and a full list of publications with bibliographical references
- Testimonials and certificates
- The most important publications that are relevant for the evaluation of the applicant’s qualifications (maximum 10 publications), and a short description of these publications
- A research proposal for the next few years (maximum 5 pages)
- Information about the applicant’s pedagogical qualifications; see http://www.ntnu.edu/vacancies/pedagogical-qualifications
- Information about dissemination activities
- Other documents which the applicant finds relevant
Joint works will also be evaluated. If it is difficult to identify the contributions from individuals in a scientific collaboration, applicants are to enclose a short summary of her/his contribution.

The applications will be evaluated by international experts. The evaluation will take into account not only the accumulated academic production, but also the candidate’s potential for scientific development. Young researchers are therefore encouraged to apply. Applicants who have been short-listed will be invited for interviews and to give lectures.

Reference no: **IE 063-2018**.

**Application deadline: 2018-06-01.**