

Associate professor in algebra

The Department of Mathematical Sciences at the Faculty of Information Technology, Mathematics and Electrical Engineering, NTNU, announces a position as associate professor in algebra. Currently there are 25 full professors and 20 associate professors at the department. In addition there are 1 assistant professor in a temporary position, 1 adjunct professor, 3 adjunct associate professors, 13 postdoctoral fellows and about 50 doctoral students. The department has 8 women in tenured scientific positions. The department would like to increase the number of women on its faculty.

The department is divided into two sections: Section of Mathematics and Section of Statistics. The Section of Mathematics is further divided into four research areas: Algebra, Analysis, Geometry/Topology, and Numerics. The vacant position is attached to the research area Algebra.

The department has a wide range of responsibilities in the engineering and natural science programs at NTNU. This includes all of the fundamental education in mathematics for engineering and natural science students, a Bachelor's program in Mathematical Sciences, a Master's program in Mathematics and Statistics and a special Industrial Mathematics program for engineering students where the aim is to educate engineers with a user-oriented profile. In addition the department plays a central role in a Master's program for science teachers.

The department also offers a PhD program which enjoys ample recruitment of highly qualified candidates. The recruitment to the Master's programs is also satisfactory.

The department wishes to maintain and strengthen its activities in basic research within the mathematical sciences, and at the same time stimulate the development of a strong group of applied mathematicians, and expand its advisory capacity in Industrial Mathematics. An important goal is to identify and further develop mathematical theory relevant to applications, and to develop interdisciplinary research and educational collaboration and research within NTNU's main profile, in particular within the strategic areas of Information Technology, Marine/Maritime Research, Energy and Environment, and Medical Technology.

Applicants will be judged on their scientific qualifications within the field of algebra. Those with a research profile connected to existing research activities in the algebra group will be favored. In order not to exclude younger applicants with only a few years of experience after PhD, a candidate's potential will also be assessed. The appointee is expected to be able to participate in the teaching of introductory level mathematics courses at NTNU.

The candidate selected for the position must document substantial qualifications within essential parts of the field. Candidates will also be evaluated on their ability to initiate and lead research and development.

Pedagogical skills will be assessed. The assessment will be based on documented pedagogical qualifications – including: pedagogical education, form of presentation in scientific works, experience in the supervision of PhD and Master's students, and other pedagogical experience. Quality and breadth will be evaluated.

If the selected candidate does not have formal pedagogical training at the university level, and cannot document equivalent qualifications, he/she will be required to complete an approved university program in pedagogy within two years. NTNU offers such a course.

Applicants are expected to present a research plan for the next 5 years. Also, a documentation of the applicant's ability to obtain research financing should be supplied, as this will be a factor in the assessment.

Selected applicants will be interviewed and required to give a trial lecture.

Upon appointment the candidate assumes, along with the other scientific personnel at the department, responsibility for the department's obligations as an institution of research and education at NTNU. He/she is required to participate in the implementation of the department's teaching plans according to the current catalog of courses, and in the further development of research and teaching, including supplementary training and further education. The appointee shall supervise Master's and PhD students within his/her area of specialization, and participate in administrative work.

The appointee must comply with decisions about changes demanded by the development of the field, as well as organizational changes stemming from decisions about the University's operation.

If the mother tongue of the selected candidate is not a Scandinavian language, it is expected that within three years he/she will be able to show expertise in Norwegian or another Scandinavian language, on par with level three in the course "Norwegian for Foreigners" at the Department of Language and Communication Studies. NTNU offers such a course.

The terms of appointment are governed by the current regulations for public employees. According to Norwegian government policies, the government workforce should, as closely as possible, reflect the diversity of the population at large. It is therefore a goal of NTNU, as a government institution, that its workforce be balanced with respect to age and gender, and to recruit persons of immigrant background. Persons of immigrant background are encouraged to apply. NTNU also wishes to increase the number of women on its faculty, and women are specifically encouraged to apply.

Associate professors are paid according to the state payment scale level 57 - 76, currently NOK 435 500 – 625 900 per annum. From this 2% will be deducted for mandatory membership in the National Pension Fund.

Further information may be obtained by contacting the head of the algebra group, professor Idun Reiten, tel. +47 73 59 17 42, e-mail: Idun.Reiten@math.ntnu.no

Associate professors may apply for promotion to full professor; the annual deadline is September 15.

Applicants are asked to detail their pedagogical qualifications as specified in "Documentation of an applicant's pedagogical qualifications", see http://www.ntnu.no/administrasjon/avdelinger/personal/momentliste_ped_kval_e.html

Before the application deadline applicants must submit 4 copies of the application together with a list of publications and certified copies of diplomas, certificates and other documentation of their academic and work career. In addition, 4 sets of copies of the following items must be supplied:

Scientific papers - published or unpublished - which the applicant wishes to put forward for consideration (up to 10 works).

A description of the papers which, in the applicant's own judgment, are the most significant in his/her production, and which he/she wishes to put forward for special attention in the evaluation.

A complete list of the applicant's papers, with information about where they are published.

Joint works will be considered. If it is difficult to identify the work done by the applicant, the applicant should enclose a short description of his/her contribution.

The application, CV, and the description of the most important papers should also be submitted in English.

Applications should be sent to the Norwegian University of Science and Technology (NTNU), Faculty of Information Technology, Mathematics and Electrical Engineering, NO-7491 Trondheim, Norway, by June 9th 2009.

Applications should be marked: Jnr. IME 032-2009.