

*The Norwegian University of Science and Technology (NTNU) in Trondheim represents academic eminence in technology and the natural sciences as well as in other academic disciplines ranging from the social sciences, the arts, medicine, teacher education, architecture to fine art. Cross-disciplinary cooperation results in innovative breakthroughs and creative solutions with far-reaching social and economic impact.*

**Faculty of Information Technology, Mathematics and Electrical Engineering**

**Department of Mathematical Sciences (IMF)**

## **Five PhD fellowships are vacant at the Department of Mathematical Sciences**

The vacant PhD fellowships are intended to give promising candidates an opportunity to pursue a research activity on an advanced level leading to a doctoral degree. The Department of Mathematical Sciences conducts research on an international high level within the disciplines of algebra, analysis, differential equations, numerical analysis, optimization, geometry/topology, statistics and didactics of mathematics. Part of the research is also done in close cooperation with other fields of science and technology within NTNU, as well as in cooperation with industry and external research institutions.

The Department of Mathematical Sciences wants to support highly motivated and excellent candidates within any of the Department's main research disciplines. A short project description should be written in cooperation with a potential advisor at the Department, and the project description should be submitted together with the application. Strategic considerations may be taken in the final selection of candidates. In particular, one of the vacant positions is earmarked several complex variables.

Preference will be given to candidates who speak Norwegian or a Scandinavian language due to the need for teaching assistance in several of the introductory mathematics courses. The PhD fellows who speak a Scandinavian language will be employed for 4 years with teaching and other duties of approximately 25 % of the total available time. The PhD fellows who do not master a Scandinavian language will be offered a 3-year appointment. The applicants who do not master a Scandinavian language have to document a thorough knowledge of English (equivalent to a TOEFL score of 600 or more).

The PhD fellows will be part of the Department of Mathematical Sciences at NTNU and will have their workplace there. See <http://www.ntnu.no/imf>. The Department has currently around 60 PhD fellows.

Applicants must have a master/cand.scient/siv.ing.-degree within one of the research areas covered by the Department (algebra, analysis, differential equations, numerical analysis, optimization, geometry/topology, statistics and didactics of mathematics), or a corresponding education, and also satisfy the requirement for entering the PhD-program at NTNU. See <http://www.ime.ntnu.no/forskning/phd> for information about the PhD-program at NTNU.

MSc-students in their last year are also invited to apply. Employment will then be postponed until the master degree is finished.

For more information, please contact Professor Einar M. Rønquist, by phone (+47) 73 59 35 47, or by e-mail: [ronquist@math.ntnu.no](mailto:ronquist@math.ntnu.no).

NTNU's PhD-regulations require a Master degree or equivalent with at least 5 years of studies and an average grade of A or B within a scale from A to E for passing grades (A best). Candidates from universities outside of Norway are kindly requested to send a Diploma Supplement or similar documentation, which describes in detail the study, the grade system, and the rights for further studies associated with the obtained degree: [http://ec.europa.eu/education/policies/rec\\_qual/recognition/diploma\\_en.html](http://ec.europa.eu/education/policies/rec_qual/recognition/diploma_en.html).

The PhD-fellowships are placed in salary code 1017, pay scale level 50 - 62, gross income NOK 420 800 to 518 200 per year. From this salary 2 % will be deducted for mandatory membership in the National Pension Fund. Starting salary is expected to be in salary level 50.

The appointment will be made in accordance with current regulations with supplementary rules for research fellowship appointments in universities and polytechnics. Applicants must agree to participate in organized doctoral study programs within the period of the appointment. The successful applicant must agree to the conditions laid down for public employees.

Candidates will be required to enroll in a PhD program within the period of employment, and must sign a contract regulating the starting date and duration of employment as well as the mandatory work.

The positions adhere to the Norwegian Government's policy of balanced ethnicity, age and gender. NTNU wishes to increase the number of women in its workforce, and female candidates are therefore encouraged to apply.

The application must include information about education, exams and earlier experience. Certified copies of academic diplomas and transcripts must be enclosed. Relevant scientific works should be included. Joint work will be considered provided that a short summary outlining the applicant's contributions is attached.

Applications are to be submitted electronically through this page. Preferably, the attachments should be submitted as a single file.

Reference no: IME 007-2014.

Closing date: 2014-03-17.

Jobbnorge ID: 100476, Deadline: 17.03.2014, Internal ID: IME 007-2014