

**NTNU - knowledge for a better world**

*The Norwegian University of Science and Technology (NTNU) creates knowledge for a better world and solutions that can change everyday life.*

**Faculty of Information Technology, Mathematics and Electrical Engineering  
Department of Mathematical Sciences (IMF)**

# 1 Postdoctor Position in Statistics

As part of the research project *Knowledge based Non-Stationary Modeling* we invite applicants for one postdoctor position, available from January 1<sup>st</sup>, 2017. The successful postdoctor candidate will be offered a two-year position. The starting point for this project is selected challenges in quantitative genetics and hydrology that call for non-stationary modeling. Inspired by these challenges the primary objectives are to 1) develop non-stationary statistical models based on system knowledge, 2) gain knowledge about and develop methodology for studying and improving practical identifiability of parameters in such models, and 3) develop methodology for evaluating predictions, and investigate when predictions are improved in comparison to stationary models. There are two PhD-projects and one Postdoctor-project.

**Postdoctor-project:** Non-stationary models, identifiability and evaluation.

## **Qualifications:**

The position is open to researchers holding a PhD in statistics, or in a related field. The candidate should have a strong background in multivariate statistics and in mathematical programming (preferable in R), and have a publication record. It is an advantage, but it is not required, to have experience with spatial statistics, integrated nested Laplace approximations (INLA), SPDE-models, genetics or hydrology. Candidates completing their PhD during 2016 are encouraged to apply.

Applicants who do not master a Scandinavian language must provide evidence of good English language skills, written and spoken. The following tests can be used as such documentation: TOEFL, IELTS or Cambridge Certificate in Advanced English (CAE) or Cambridge Certificate of Proficiency in English (CPE). Minimum scores are: TOEFL: 600 (paper-based test), 92 (Internet-based test), IELTS: 6.5, with no section lower than 5.5 (only Academic IELTS test accepted), CAE/CPE: grade B or A.

The postdoctoral fellow will be member of the Department of Mathematical Sciences (IMF) at NTNU, Trondheim, and have workplace there: see <http://www.ntnu.no/imf>. IMF has 36 full professors, 13 associate professors, 2 adjunct professors, 6 adjunct associate professors, about 20 postdoctoral fellows and about 60 doctoral students. Funding is provided by the Research Council of Norway. For further information, please contact Ingelin Steinsland by phone (+4773550239) or e-mail ([ingelins@math.ntnu.no](mailto:ingelins@math.ntnu.no)).

Diversity is important to achieve a good, inclusive working environment. We encourage all qualified applicants to apply, regardless of gender, disability, and cultural background.

The appointment is to be made in accordance with the regulations for State Employees and Civil Servants in Norway. The candidate must adhere to regulations that concern changes and developments within the discipline and/or the organizational changes concerning activities at NTNU.

The position as postdoctoral fellow follows code 1352, and is remunerated at level 57 on the Norwegian government salary scale, with a gross salary of NOK 483 700 a year. A pension contribution of 2% of the salary will be deducted as an obligatory premium to the Norwegian Public Service Pension Fund.

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.

The application must include information about education, examinations 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, all attachments should be combined into a single file.

Reference no: IME 013-2016.

Application deadline: 11.03.2016.

Jobbnorge-ID: 122172, Søknadsfrist: Avsluttet