PhD Candidate in Physical Geography

NTNU - NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF SOCIAL AND EDUCATIONAL SCIENCES

PhD Candidate in Physical Geography - Field and remote sensing detection of periglacial creep processes

There is a temporary position available at the Department of Geography as PhD Candidate in Physical Geography for a period of 4 years where 3 of the years are for research and 1 year is for teaching and other work for the department. This is an educational position that shall provide promising candidates the opportunity for professional development through studies towards a PhD. The position is connected to the PhD-program in geography at the Faculty of Social and Educational Sciences and the faculty will be the employer.

Currently, the Department employs 9 professors, 7 associate professors, 2 researchers, 2 post doctors and 13 PhD candidates. The Department has defined four strategic areas: Natural hazards and the effects of climate change; Environment, resources and management; Mobility, transnationalism and inequality; and Innovation and regional changes.

The available PhD position will contribute particularly to the department’s strategic area Natural hazards and the effects of climate change, and belongs to the research group ‘Geographies of climate change effects’ at the Department of Geography. The PhD position will contribute to our work on longterm landscape evolution of cold climate regions, especially the topography of southern Norway. The PhD project shall focus on periglacial creep processes (solifluction) across several temporal and spatial scales, using field measurements and remote sensing as tools for mapping periglacial creep landforms and blockfields. Quantification of creep rates/mass fluxes is a key component of the project. Methodologies to be applied include terrestrial laser scanning, Structure-from-motion from terrestrial and drone images, inSAR and the collection of subsurface displacement profiles from field installations. The project might also develop towards landscape evolution modelling, or have a geochronological component through dating of organic horizons, luminescence dating and/or cosmogenic nuclide techniques.

Obligations
The holder of the position is expected to:

- Contribute to the project ‘Block fields and the origin of high-elevation, low-relief topographic surfaces - TopSurf’ if this is funded.
- Contribute to teaching physical geography courses at the Department.

Qualifications
We seek a dedicated and sociable person who meets the required qualifications for a PhD candidate. Employment will be activated in accordance to existing regulations of 31.01.06. The requirement for the position is a completed Master’s degree in geography, earth sciences, geomatics, physics or related fields, and a documented solid background in geomatics/remote sensing. Applicants must have a strong academic record from their previous studies, and must have a weighted average grade for the last two years of their master's or equivalent education (equivalent to 120 credits) of B or higher in terms of NTNU's grading scale. Applicants with no letter grades from previous studies must have an equally good academic foundation. Applicants who are unable to meet these criteria may be admitted only if they can document that they are particularly suitable candidates for education leading to a PhD degree. Fluent English skills are required.

Personal qualifications and motivation to apply for the position, will be ascribed high importance. We expect a candidate who is able to work independently, also with respect to planning and implementation of fieldwork, and is motivated to learn new techniques. Excellent communication skills should be demonstrated. The ability to build a relevant contact network is important.

Salary and Working Conditions
The PhD position is paid according to salary level 50 in the national salary scheme, minimum gross NOK 436 500 per year, of which 2 % is deducted for the State Pension Scheme.

Please find more information about the appointment of PhD Candidates in NTNU's supplementary purviews of 23.01.12, http://lovdata.no/dokument/SF/forskrift/2012-01-23-206.

The applicant must commit to undertake organized PhD studies within the employment period. Employment as a PhD candidate requires admission to the PhD program in Geography. Information about the PhD program in Geography can be found at http://www.ntnu.edu/studies/phgeog

The appointment is to be made in accordance with the regulations in force concerning State Employees and Civil Servants. The employee is expected to accept possible changes in work tasks. Primary residency in Trondheim is a prerequisite.

It is a major political objective to achieve a balance of age and gender in the national labour force and to recruit people with an immigrant background. Immigrants are encouraged to apply for all positions.
Application

Application should within deadline include:

- A preliminary project description of approximately 4 pages, CV, recommendations, certificates and diplomas. A complete version of the project description must be made available within six months of admission to the PhD program
- Publications and other relevant scientific work.

Joint work will be evaluated. If it is difficult to identify the contributions from individuals in a join piece of work, applicants should enclose a short descriptive summary of what he/she contributed to the work.

Information about the applicants may be open to public inspection as provided by the Freedom of Information Act.

Further information about the position is available by calling Professor Ivar Berthling at the Department of Geography, phone 90066509 and e-mail ivar.berthling@ntnu.no.

For information about processing of applications, please contact HR, Aaste Line Strand, e-mail: aaste.l.strand@ntnu.no

An application including attachments should be sent electronically through: www.jobbnorge.no. Attachments may also be sent to: NTNU, Faculty of Social and Educational Science, NO-7491 Trondheim, Norway. Please mark the application SU-48.

Application Deadline: 01.11.2017.

Jobbnorge-ID: 142489, Søknadsfrist: Avsluttet