PhD Fellow in Physical Oceanography

The position

The Department of Geosciences has a PhD position vacant for applicants who wish to obtain the degree of Philosophiae Doctor (PhD). The position is connected to the Norwegian Research Council Centre of Excellence Centre for Arctic Gas Hydrate, Climate, and Environment (CAGE) and it involves collaboration with scientists from The Research Centre for Arctic Petroleum Exploration (ARCEx).

The position is for a period of four years. The nominal length of the PhD program is three years. The fourth year is distributed as 25 % each year, and will consist of teaching and other duties. The position will especially be assigned teaching duties in oceanography and/or modeling.

The objective of the position is to complete research training to the level of a doctoral degree. Admission to a PhD programme is a prerequisite for employment, and the programme period starts on commencement of the position. The PhD candidate shall participate in the faculty’s organized research training, and the PhD project shall be completed during the period of employment.

The position's field of research

Research in the Centre of excellence CAGE focuses on the role of the Arctic Ocean gas hydrate in the context of environmental and climate issues. Understanding methane bubble evolution and transport in the water column will help elucidating methane seepage influence on the benthic and pelagic environment and atmospheric climate gas composition. The fellow will in particular estimate bubble size distributions from image analysis and acoustic measurements, and will incorporate an existing process-based model into a high-resolution 3D model to understand the transport of dissolved and free methane.

Contact

Further information about the position is available by contacting:

- Dr. Bénédicte Ferré, phone: +47 77646607, email: benedicte.ferre@uit.no
- Dr. Anna Silyakova, phone: +47 77644447, email: anna.silyakova@uit.no
- Prof. Alfred Hanssen, phone: +47 45255593, email: alfred.hanssen@uit.no

Qualifications

The position requires a Master’s degree in physical oceanography or relevant field, and must have experience in numerical modeling. Some experience in signal processing would be beneficial. The fellow is expected to apply an interdisciplinary approach and to interact with sedimentary geologists, biogeochemists, biologists and oceanographers within and among working groups in CAGE.

Applicants may present a description outlining the academic basis of the PhD project.

The applicant must be able to document proficiency in English that satisfies the Norwegian Higher Education Entrance Qualification as described here.

The assessment will emphasize motivation and personal suitability for the position. You must be willing to engage in the ongoing development of your discipline and the university as a whole.

Admission to the PhD programme

The position requires admission to the Faculty’s PhD programme. Admission requires that the applicant have at least 5 years of higher education, equivalent to 300 ECTS. The applicant must have a Master’s thesis evaluated equivalent to 30 ECTS or more, or 20 ECTS for an integrated Master’s degree. The applicant must have an average grade of C or better. Further information about requirements is available here: Regulations PhD Faculty of Sciences and Technology.

Applicants with a foreign education will be evaluated on whether the educational background is equivalent to Norwegian higher education, following national guidelines. Applicants from some countries will have to document additional higher education in order to fulfill the requirements.

Application

Your application must include:

- Cover letter explaining your motivation and research interests
- CV
- Diplomas, diploma supplements and transcripts for Bachelor’s and Master’s degree
- Documentation of English language proficiency for PhD-studies
Qualification with a Master’s degree is required before commencement in the position. If you are near completion of your Master’s degree, you may still apply and submit a draft version of the thesis and a statement from your supervisor or institution indicating when the degree will be obtained. You must document completion of your degree before commencement in the position.

The documentation has to be in English or a Scandinavian language. We only accept applications sent via www.jobbnorge.no.

**Assessment**

An expert committee will assess the applicants. During this assessment process, emphasis will be attached to the applicant’s potential for research as shown by Master’s thesis or equivalent, any other academic works, and professional references.

In addition, consideration may be given to work experience or other activities of significance for the implementation of the PhD studies, and to any teaching qualifications. This includes teaching education, teaching experience, experience from popularization and experience/education from other types of dissemination. Information and material to be considered during the assessment must be submitted by the stipulated deadline.

The applicants who are assessed as the best qualified will be called to an interview. The interview shall among other things aim to clarify the applicant’s personal suitability for the position.

**General information**

The appointment is made in accordance with State regulations and guidelines at UiT. At our website, you will find more information for applicants.

As many as possible should have the opportunity to undertake organized research training. If you already hold a PhD or have equivalent competence, we will not appoint you to this position.

A shorter period of appointment may be decided when the PhD Fellow has already completed parts of their research training programme or when the appointment is based on a previous qualifying position PhD Fellow, research assistant, or the like in such a way that the total time used for research training amounts to three years.

Remuneration for the position of PhD Fellow is in accordance with the State salary scale code 1017. A compulsory contribution of 2 % to the Norwegian Public Service Pension Fund will be deducted.

More practical information for working and living in Norway can be found here: [Welcome to UiT!](#)

A good work environment is characterized by diversity. We encourage qualified candidates to apply, regardless of their gender, functional capacity or cultural background. UiT will emphasize making the necessary adaptations to the working conditions for employees with reduced functional ability.

We process personal data given in an application or CV in accordance with the Personal Data Act (Offentleglova). According to Offentleglova information about the applicant may be included in the public applicant list, also in cases where the applicant has requested non-disclosure. You will receive advance notification in the event of such publication, if you have requested non-disclosure.

**UiT - Developing the high north**

UiT is a multi-campus research university in Norway and the northernmost university of the world. Our central location in the High North, our broad and diverse research and study portfolio, and our interdisciplinary qualities make us uniquely suited to meet the challenges of the future. At UiT you can explore global issues from a close-up perspective.

Credibility, academic freedom, closeness, creativity and commitment shall be hallmarks of the relationship between our employees, between our employees and our students and between UiT and our partners.

Jobbnorge-ID: 185272, Søknadsfrist: 10. mai 2020