



Jobbnorge ID: 193139
Deadline: 12/4/2020
Website: <https://uit.no/startside>
Scope: Fulltime
Duration: Permanent

Faculty of Science and Technology / Department of Physics and Technology

Professor/Associate Professor in Meteorology

The position

[The Department of Physics and Technology](#) (IFT) has an open permanent position as a professor/associate professor in Meteorology.

The position will be associated with the groups of [Modelling of Complex Systems](#) and [Renewable Energy](#) at IFT. These groups include science disciplines related to meteorology, climate dynamics, and wind, solar and fusion energy. For the announced position, we are looking for a candidate who actively conducts research within meteorology in order to complement and expand the research activities of the two groups.

The position will include teaching obligations corresponding to about 50 % of the position. The teaching activities will cover courses in meteorology, with an emphasis on applications in both the aviation, maritime and wind-energy sectors.

The workplace is at UiT in Tromsø. The candidate must be able to start in the position in Tromsø within 6 months after receiving the offer.

Contact

For enquiries about the position, please contact:

- Head of Department of Physics and Technology (IFT), head of Department of Technology and Safety (ITS), and professor in Renewable Energy, IFT: Professor Yngve Birkelund: yngve.birkelund@uit.no
- Head of the Modelling of Complex Systems group, IFT, Professor Rune Grand Graversen: rune.graversen@uit.no
- Head of Aviation group, ITS, Professor Vegard Nergård: vegard.nergard@uit.no
- Head of Nautical Science group, ITS, Assistant Professor Magne-Petter Sollid: magne-petter.sollid@uit.no

The position's field of research / field of work

The position includes research and teaching within the subject of meteorology in collaboration with several departments at UiT and external partners. Especially, the position will strengthen the collaboration between IFT and the Department of Technology and Safety (ITS) as well as with The Norwegian Meteorological Institute (MET).

The position will contribute to several study programs where there is a need for education in basic and applied meteorology, e.g. the bachelor and master programs in aviation at ITS, the bachelor program in nautics for ship navigators at ITS, and the wind energy applications within the Energy, Climate and Environment integrated master program at IFT. The teaching will be organized as basic meteorology modules, with additional specialization for each application field as needed. Some of the courses may require teaching in Norwegian or a Scandinavian language, which the applicant must be able to provide within three years of employment. Teaching in basic meteorology for pilots will take place at campus Bardufoss

Concerning research, this position is within the field of meteorology, with a special focus on Arctic conditions. Research activities in this position can include meteorological applications within renewable energy and the aviation and maritime sectors. The research will be accomplished in collaboration with the Modelling of Complex Systems group. This group includes currently three permanent staff members, three Postdoctoral researchers and five PhD students. The permanent staff includes Professor Rune Grand Graversen with research fields within polar meteorology and climate dynamics. The group conducts research on for instance polar-low dynamics, atmospheric energy transport, synoptic-scale extra-tropical cyclone and Rossby-wave dynamics, Greenland ice-sheet mass balance, sea-ice forecasting, atmospheric mountain waves, icing on structures, climate sensitivity, climate effects of volcanic aerosols, and Arctic climate change.

Qualifications

Candidates must hold a PhD and have documented experience in executing independent original research. They must have a strong background in meteorology and should be recognized by the international meteorology community. It is an advantage if candidates have experience from wind energy, aviation or maritime operations. In order to qualify for teaching for the pilot education, the candidates must be

approved by the Civil Aviation Authority of Norway. Teaching in maritime meteorology must be according to the requirements in the Standard for Training, Certification, and Watchkeeping (STCW) convention, and the curriculum includes interpretation of information from weather-data sources and shipborne meteorological instruments. Successful candidates must be able to lecture in operative skills, such as observing and recognizing meteorological and oceanographic conditions at sea. In assessing the qualifications and merits, special consideration is given to scientific publications in internationally recognized journals and teaching skills. For candidates who are not fluent in a Scandinavian language, the ability to learn Norwegian within three years after employment will be assessed. The candidates should be creative, strongly independent, able to take and develop their own initiatives, and have the ability to successfully finish ongoing projects.

The candidates must be fluent in oral and written English. Applicants who are not fluent in a Scandinavian language must learn Norwegian within 3 years and pass the language exam level B2 ("Bergenstesten" or equivalent).

We will emphasize personal suitability in our assessment. We expect the candidate to actively contribute to academic culture, think beyond the core of own research interests, and to have good collaboration skills necessary for joint interdisciplinary projects. The candidate must be willing to participate actively in the ongoing development of the discipline, the department, and the university as a whole.

Qualification requirements for the position as Professor:

- Academic level conforming to established international or national standards for position of Professor in the subject area concerned
- Documented pedagogical competence

In addition you must document:

- Development of the quality of one's own teaching and supervision over time, and
- Broad supervision experience, preferably at master's/PhD level, and
- Participation in the development of educational quality in academic communities

For a position as a professor, the candidate should demonstrate international experience and have a strong publication record in terms of research articles in peer-reviewed journals and other relevant international publication channels. The candidate should document the ability to obtain external funding from relevant sources, and be able to initiate and lead research at a high international level. We will also assess outreach, network, teaching, and supervision activities.

To be awarded a professorship, you must document substantially more extensive research of high quality than that required to be awarded a doctorate degree. You must document academic activity at a high level over the previous six years, and that this points forwards towards continued activity at professorial level.

UiT follows [national guidelines](#) for professorial promotion within Mathematics, Science and Technology disciplines when evaluating candidates for professorships.

Qualification requirements for the position as førsteamanuensis (Associate Professor):

- Norwegian doctoral degree in subject area concerned or a corresponding foreign doctoral degree recognised as equivalent to a Norwegian doctoral degree, or competence at a corresponding level documented by academic work of the same scope and quality
- Documented pedagogical competence

For a position as an associate professor, the candidate should have a good publication record in terms of research articles in peer-reviewed journals and other relevant international publication channels, documented success in obtaining external funding, experience with research leadership, and experience with teaching at the university level. As an associate professor, we expect the candidate to aim at developing further to a full professor.

At UiT we put emphasis on the quality, relevance and significance of the research work and not on publishing channel, in accordance with the principles of The San Francisco Declaration on Research Assessment ([DORA](#)).

UiT wishes to increase the proportion of females in academic positions. In cases where two or more applicants are found to be approximately equally qualified, female applicants will be given priority.

Pedagogical competence (basic pedagogical competence)

All applicants for teaching and research positions shall document their pedagogical competence.

The candidate must have acquired basic competence for teaching and supervision at higher education level, this includes basic skills in planning, conducting, evaluating and developing teaching and supervision.

The pedagogical competence can be achieved in one of the following ways:

a) By completion of education or courses designed to provide teaching competence for teaching at universities and colleges, equivalent to a minimum of 200 hours

b) By achieving practice as a teacher and supervisor in higher education, often combined with relevant courses and seminars. By achieving experience with teaching and supervision in higher education corresponding to two years in a full-time position. For professor positions, experience with teaching and supervision in higher education corresponding to three years in a full-time position.

Documentation requirement:

a) Applicants who have completed education or courses designed to provide teaching competence for teaching at universities and colleges, equivalent to a minimum of 200 hours, must attach diploma and curriculum for the completed course.

b) Other applicants must describe, assess and document their competence as a teacher and supervisor. The skills must be documented in the form of a teaching portfolio.

If the pedagogical competence can be acquired within two years of appointment, applicants will not be ranked based on pedagogical competence.

Applicants who do not satisfy the requirements may be appointed on a permanent basis on the condition that they satisfy the requirements within two years of appointment.

For professor positions, the teaching competence can be developed and documented through a combination of courses and teaching portfolio.

Applicants for professor positions must also document that the supplementary criteria are satisfied by providing:

- A description of and a reflection over own work involving development of teaching and supervision. This should include specific examples that demonstrate development, its implementation and its result on teaching and supervision activities.
- A description of experience with supervision at the master's and PhD level. In addition to describe the scope of the supervision, own supervision experience should be summarized, and possible development areas should be pointed out
- A description of and reflection over own leadership and participation and role in development of the educational quality in the academic community

For a position as professor, the supplementary criteria for a professorial basic pedagogical competence must be met. Those who do not satisfy the requirements for basic pedagogical competence when they are appointment must satisfy them within two years of appointment. UiT offers courses in educational competence to employees.

We offer

- Allocation of resources for start-up in the position, including 1-2 doctoral positions at the professor's disposal
- The possibility to work in a vibrant group at the forefront of research
- R&D sabbatical conditions which are considered to be some of the best in the country
- A good working environment
- Good welfare arrangements for employees
- Good arrangements for pension, insurance and loans in the Norwegian Public Service Pension Fund

Employees in permanent positions as professor/associate professor have the right to apply for a paid sabbatical (research and development).

More information about moving to Tromsø: <http://uit.no/mobility>.

Application

The application must be submitted electronically via www.jobbnorge.no and shall include:

- Letter of application.
- Diplomas and transcripts (all degrees).
- CV including information relevant for the qualifications and a full list of publications with bibliographical references.
- Documented pedagogical competence
- Brief research plan and vision statement (1-2 pages) for the next 3-5 years, also identifying internal and external collaboration partners.
- Documentation of external research funding raised during the career. This documentation should be clear about the type of roles in the projects.
- Three references with contact information.
- Up to ten selected scientific publications. A doctoral thesis is regarded as one work.
- Description of own research, stating the publications the candidate considers most important and briefly describing the other listed publications.

Documentation has to be in English or a Scandinavian language. Submit applications electronically through Jobbnorge

For applicants who are not fluent in a Scandinavian language, a plan for becoming fluent within three years of employment should be provided

General information

The appointment is made in accordance with State regulations and guidelines at UiT. At our website, more [information for applicants](#) can be found.

The allocation of working hours is flexible and allocated on a case-by-case basis. In general, a professor/associate professor spends an equal amount of time on teaching and research and development work, after time spent on other duties has been deducted. As a norm, the time spent on administrative duties constitutes 5 % for academic staff in this category of position.

The remuneration for Professor is in accordance with the State salary scale code 1013, and Associate Professor in accordance with code 1011. A compulsory contribution of 2 % to the Norwegian Public Service Pension Fund is deducted. In addition, UiT pays approx. 12 % directly to the Pension Fund on top of the salary.

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

More information about moving to Norway and working at UiT: <http://uit.no/mobility>

According to the Norwegian Freedom and Information Act (Offentleglova) information about the applicant may be included in the public applicant list, also in cases where the applicant has 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.

The main task of the Faculty of Science and Technology is to conduct research and teaching at a high national and international level. Prioritized research areas include energy, climate, environment, maritime, marine, nano-, space-, and information technology; addressing both general topics and topics relevant for the High North.

Additional information

Place of service:

UiT / Campus Tromsø 9019 Tromsø (Tromsø - Romsa Municipality)