



**Jobbnorge ID:** 228387

**Deadline:** 8/15/2022

**Website:** <http://www.nmbu.no>

**Scope:** Fulltime

**Duration:** Fixed Term

Do you have experience with Building physics, Energy design, Indoor Environment and Sustainable buildings?

## **Associate professor/Assistant professor within Sustainable Building Physics**

### **About the position**

The Faculty of Science and Technology invites applications for a faculty position as associate professor/ assistant professor within Sustainable Building physics. The position is full time and limited to two years, starting 1 January 2023 and ending 31 December 2024.

We look for candidates who want to contribute on the transition towards a more sustainable society, where great changes are implied to the building industry in how buildings are built and maintained. The energy system, local energy production, heating, cooling and ventilation as well as use of sustainable building materials is also affected by this transition. At a broader scale, the cross disciplinary field between non-structural engineering, architecture and structural engineering should be important for the successful candidate.

The position is affiliated in the department of Building- and Environmental Technology. This department consists of the building-group and the Water-group. The building-group is responsible for the MSc study program "Construction engineering and architecture".

The program educates approximately 30 MSc students yearly. It is the only study construction engineering program in Norway with a strong interdisciplinary focus, combining construction, building physics and architecture. The group consists of three scientific positions within construction engineering, two positions within building physics, and three scientific positions within architecture.

We believe that talented and inclusive groups deliver the highest quality research and are seeking applications from high quality candidates who enhance the diversity of our existing building group. The department is committed to creating opportunities for people traditionally under-represented in building physics and strives to maintain a culture where people can be their authentic selves.

The Norwegian University of Life sciences is ranked sixth among colleges, companies, Norwegian universities and other public institutions that have received some funding from the EU research program HORIZON2020.

### **Main tasks**

The main tasks for this position will be:

- Teaching in relevant fields
- Supervision of PhD and master students
- Research within sustainable building physics and bordering disciplines such as environmental impact, LCA, climate-based design, heat and moisture transfer, indoor climate and ventilation, energy efficiency and integrated energy production

Other tasks will be:

- Participation in the development of the study program and the department

Administrative tasks

- Engaging with society through external collaboration, to participate in securing external research funding, and to contribute to NMBUs strategic goals.

### **Competence**

**Required academic qualifications for the position:**

**For the position "Associate professor"**

- Master's degree in a relevant field
- Doctoral degree in a relevant field. Extensive experience in the field may be considered equally qualifying
- Scientific research experience within one or more of the following fields: building physics, building performance, energy in buildings (energy use and integrated energy production), science-based sustainability assessment methods
- Publication record of scientific articles published in well recognized, international journals, and an active portfolio of research projects.

- **Educational competence - requirements.** [Applicants are asked to document educational competence in compliance with guidelines at NMBU for appointment to associate professor position.](#) If you do not meet the requirements, you can still be evaluated as qualified for the position as you will be obligated to meet the requirements within two years of appointment. The required training will be provided by NMBU.

#### **For the position “Assistant professor”**

- Master’s degree in a relevant field
- Documented relevant practical pedagogical expertise based on education or teaching and supervision. Applicants without formal training in pedagogics commit to, within two years, to complete NMBU course in university teaching.
- Relevant research qualifications beyond master’s degree level and/or relevant work experience.

#### **The following language skills are required:**

Applicants are required to be proficient in Norwegian and English, both written and oral, to be able to participate actively in all functions the position may involve.

Candidates who are not fluent in Norwegian or a Scandinavian language will receive support from the faculty to become fluent (level B2 or similar) in Norwegian within three years of employment.

The following qualifications will be preferred:

- Strong affinity with building technology and architectural design
- Interest in topics related to sustainability in buildings and architecture
- Excellent teaching skills
- Experience in project management and attracting research funding
- Experienced user of Building Performance Simulation tools
- National and international network

#### **Personal qualities**

- Motivation to develop new knowledge in cooperation with others
- High working capacity
- Being enthusiastic about your field of expertise and be inspired to work in an international academic environment
- Good communication and presentation skills
- High collaboration and networking abilities
- Emphatic and able to easily connect to students of different background and nationalities
- Able to work in a team and on individual tasks

Personal suitability will be given weight.

### **Remuneration and further information**

The position is placed in government pay scale position

- Code 1011 Associate Professor, wage framework 24, salary grade 68-77 (NOK 626 100-752.800), depending on qualifications. Seniority Promotion in position.
- Code 1009 Assistant professor, wage framework 25, salary grade 54-67 (NOK 483 700).

For further information please contact, Associate professor Leif Daniel Houck, Head of the Department of Building and Environmental Technology.

E-mail: [leif.daniel.houck@nmbu.no](mailto:leif.daniel.houck@nmbu.no) ; phone +47 67231592

[General Information to applicants](#)

### **Application**

To apply online for this vacancy, please click on the 'Apply for this job' button above. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.

#### **Application deadline: 15.08.2022**

Up to ten publications selected by the applicant as most relevant must be attached to the application. If it is difficult to identify the contribution of the applicant in multiple-author publications, a short explanation about the applicant’s part of the work is suggested.

Applicants for the position as Associate professor must also enclose documentation of their educational competence, using a “[teaching portfolio](#)”

Applicants invited for an interview will be asked to present verified copies of diplomas and certificates.

## About The Faculty of Science and Technology

[The Faculty of Science and Technology \(REALTEK\)](#) develops research-based knowledge and educates civil engineers and lecturers needed to reach the UN's sustainability goals. We have approximately 150 employees, 70 PhD students and soon 1500 students. The education and research at REALTEK cover a broad spectrum of disciplines.

This includes data science, mechanics and process engineering, robotics, construction and architecture, industrial economics, environmental physics and renewable energy, geomatics, water and environmental engineering, applied mathematics as well as secondary school teacher education in natural sciences and use of natural resources such as in agriculture, forestry and aquaculture. The workplace is in Ås, 30 km from Oslo.

## The Norwegian University of Life Sciences (NMBU)

NMBU has a particular responsibility for research and education that secures the basis for the life of future generations. Sustainability is rooted in everything we do and we deliver knowledge for life. NMBU has 1,900 employees of which about 300 phd scholarships and 6,700 students. The university is divided into seven faculties.

NMBU believes that a good working environment is characterised by diversity.

We encourage qualified candidates to apply regardless of gender, functional ability, cultural background or whether you have been outside the labour market for a period. If necessary, workplace adaptations will be made for persons with disabilities. More information about NMBU is available at [www.nmbu.no](http://www.nmbu.no).

## Additional information

### Place of service:

Universitetstunet 3 1430 Ås (Ås Municipality)