

Jobbnorge ID: 239758
Deadline: 2/26/2023
Website: <http://www.ntnu.no>
Scope: Fulltime
Duration: Temporary

The Department of Civil and Environmental Engineering has a vacancy for a

Postdoctoral Fellow in Building Acoustics

This is NTNU

NTNU is a broad-based university with a technical-scientific profile and a focus in professional education. The university is located in three cities with headquarters in Trondheim.

At NTNU, 9,000 employees and 43,000 students work to create knowledge for a better world.

You can find more information about working at NTNU and the application process [here](#).

Video: <https://youtu.be/Xt-yHCN5QS0>

About the job

The postdoctoral fellowship position is a temporary position where the main goal is to qualify for work in senior academic positions.

The Building Technology group is responsible for research and teaching within the design of sustainable and functional buildings, with a special focus on material use and the building envelope. Building technology includes the engineering fields of building physics/energy use, fire engineering, and acoustics. In addition, the disciplines of climate adaptation, building materials, circular economy, and environmental system analysis are central to the research group. The group has laboratory cooperation with SINTEF Community as well as with the Acoustics group at the Department of Electronic Systems, NTNU.

This Postdoctoral Fellow in Building Acoustics position covers a special responsibility for teaching and research activities within Building acoustics, including the theoretical basis, and insight in practical building technology, regarding sound insulation of buildings and room acoustics.

This Postdoctoral Fellow position is a part of NTNUs initiative to establish a Center for Green Shift in the Built Environment (<https://www.ntnu.edu/iv/green-shift-in-the-built-environment>) hosted by the Department of Civil and Environmental Engineering. The Center's vision is to create value in the society through digitalisation. This center will utilize and develop expertise, methods, tools and strategies for a sustainable built environment. The research and innovation activities of the center will be directed at a green shift and a digital future.

Your immediate leader is Associate Professor.

Duties of the position

- This position covers a special responsibility for teaching for the courses TBA4167 - Bygningsakustikk and TBM4222 - Bygningsfysikk, grunnkurs; and supervision of students at Master and Bachelor level according to the needs of the research group
- Initiate and implement research within Building acoustics both within the research group of Building Technology and in interdisciplinary communities, at the NTNU level with the Department of Electronic Systems, nationally and internationally
- Participate in the development of the Department's and research group's professional competence and professional activities
- The position will involve research collaboration with the acoustics research group at the Department of Electronic systems, at the Faculty of Information Technology and Electrical Engineering, and with the research group of Road, Rail and Transport within the Department of Civil and Environmental Engineering. One of the intentions of the Postdoctoral Fellow is to achieve good utilization of all available resources at NTNU, and thus also to provide students from other study programs at NTNU with a teaching offer aimed explicitly at building acoustics. The collaboration also includes the possible use of laboratory facilities at the Department of Electronic systems

Required selection criteria

- You must have completed a Norwegian doctoral degree or corresponding foreign doctoral degree recognized as equivalent to a Norwegian PhD within the field of Building Acoustics.
- If you can document that the PhD thesis has been submitted, your application can be assessed even if you have not yet defended your dissertation. Documentation of the obtained doctoral degree must be presented before you can take up the position
- Strong foundation and scientific experience must be primarily in the field of Building Acoustics or related fields

- Have insight into typical building structures and building materials, for new and existing buildings, including environmental aspects. Knowledge of acoustic properties of wooden buildings, especially lightweight wood constructions used in the Nordic countries, is a requirement
- Experience and knowledge of simulation tools, and experience from laboratory and/or field measurements
- Good written and oral English language skills

The appointment is to be made in accordance with [Regulations on terms of employment for positions such as postdoctoral fellow, Ph.D Candidate, research assistant and specialist candidate](#).

Preferred selection criteria

- Strong scientific knowledge and research experience in air- and structure-borne sound transmission is an advantage
- Expertise and/or experience in digitalization processes within the topic, such as building information modelling (BIM)
- International network in academia and/or in the construction industry
- Good written and oral knowledge in at least one Scandinavian language

Personal characteristics

- Honesty and high ethical standards
- Contributes actively to a good working environment
- Good communication and dissemination capabilities
- Innovative, development-oriented and initiative-oriented
- Ability to work organizationally and goal oriented.
- Independent, but team-oriented and cooperative

Emphasis will be placed on personal and interpersonal qualities.

We offer

- exciting and stimulating tasks in a strong international academic environment
- an open and [inclusive work environment](#) with dedicated colleagues
- favourable terms in the [Norwegian Public Service Pension Fund](#)
- [employee benefits](#)

Salary and conditions

As a Postdoctoral Fellow (code 1352) you are normally paid from gross NOK 563 500 per annum before tax, depending on qualifications and seniority. From the salary, 2% is deducted as a contribution to the Norwegian Public Service Pension Fund

The period of employment is 2 years.

The engagement is to be made in accordance with the regulations in force concerning [State Employees and Civil Servants](#), and the acts relating to Control of the Export of Strategic Goods, Services and Technology. Candidates who by assessment of the application and attachment are seen to conflict with the criteria in the latter law will be prohibited from recruitment to NTNU.

After the appointment you must assume that there may be changes in the area of work.

It is a prerequisite you can be present at and accessible to the institution on a daily basis.

About the application

The application and supporting documentation to be used as the basis for the assessment must be in English.

Publications and other scientific work must follow the application. Please note that applications are only evaluated based on the information available on the application deadline. You should ensure that your application shows clearly how your skills and experience meet the criteria which are set out above.

If, for any reason, you have taken a career break or have had an atypical career and wish to disclose this in your application, the selection committee will take this into account, recognizing that the quantity of your research may be reduced as a result.

The application must include:

- CV and certificates
- transcripts and diplomas for bachelor's-, master's- and PhD degrees. If you have not yet completed your Ph.D, you must provide confirmation on your estimated date for the doctoral dissertation, or that your PhD thesis has been submitted
- A copy of the doctoral thesis. If you are close to submitting, or have recently submitted your thesis, you can attach a draft of the thesis. Documentation of a completed doctoral degree must be presented before taking up the position
- Academic works - published or unpublished - that you would like to be considered in the assessment (up to 3 items)
- Research and career plan
- Name and contact information of three referees

If all, or parts, of your education has been taken abroad, we also ask you to attach documentation of the scope and quality of your entire education. Description of the documentation required can be found [here](#). If you already have a statement from NOKUT, please attach this as well.

Joint works will be considered. If it is difficult to identify your contribution to joint works, you must attach a brief description of your participation.

In the evaluation of which candidate is best qualified, emphasis will be placed on education, experience and personal and interpersonal qualities. Motivation, ambitions, and potential will also count in the assessment of the candidates.

NTNU is committed to following evaluation criteria for research quality according to [The San Francisco Declaration on Research Assessment - DORA](#).

General information

[Working at NTNU](#)

NTNU believes that inclusion and diversity is a strength. We want our faculty and staff to reflect Norway's culturally diverse population and we continuously seek to hire the best minds. This enables NTNU to increase productivity and innovation, improve decision making processes, raise employee satisfaction, compete academically with global top-ranking institutions and carry out our social responsibilities within education and research. NTNU emphasizes accessibility and encourages qualified candidates to apply regardless of gender identity, ability status, periods of unemployment or ethnic and cultural background.

NTNU is working actively to increase the number of women employed in scientific positions and has a number of [resources to promote equality](#).

The city of Trondheim is a modern European city with a rich cultural scene. Trondheim is the innovation capital of Norway with a population of 200,000. The Norwegian welfare state, including healthcare, schools, kindergartens and overall equality, is probably the best of its kind in the world. Professional subsidized day-care for children is easily available. Furthermore, Trondheim offers great opportunities for education (including international schools) and possibilities to enjoy nature, culture and family life and has low crime rates and clean air quality.

As an employee at NTNU, you must at all times adhere to the changes that the development in the subject entails and the organizational changes that are adopted.

A public list of applicants with name, age, job title and municipality of residence is prepared after the application deadline. If you want to reserve yourself from entry on the public applicant list, this must be justified. Assessment will be made in accordance with [current legislation](#). You will be notified if the reservation is not accepted.

If you have any questions about the position, please contact Associate Professor Gabriele Lobaccaro, telephone +47 918 13 568, email gabriele.lobaccaro@ntnu.no. If you have any questions about the recruitment process, please contact Hege Johansen, e-mail: hege.johansen@ntnu.no.

If you think this looks interesting and in line with your qualifications, please submit your application electronically via jobb norge.no with your CV, diplomas and certificates attached. Applications submitted elsewhere will not be considered. Upon request, you must be able to obtain certified copies of your documentation.

Application deadline: 26.02.2023

NTNU

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.

Department of Civil and Environmental Engineering

We conduct research and teaching in civil and transportation engineering, technical planning, structural engineering, water and wastewater engineering and hydraulic engineering. Graduates from our programmes become employees - in both the public and private sectors - with a sustainability mindset combined with competitive knowledge and skills. [The Department of Civil and Environmental Engineering](#) is one of eight departments in the [Faculty of Engineering](#).

Additional information

Place of service:

Høgskoleringen 7 A 7491 Trondheim (Trondheim Municipality)