

Jobbnorge ID: 191103
Deadline: 9/6/2020
Website: <http://www.ntnu.no>
Scope: Fulltime
Duration: Temporary

The Department of Architecture and Technology (IAT) at the Faculty of Architecture and Design has a vacancy for a 3-years

PhD-position in Visualization Techniques in Architectural Research

This is NTNU

At NTNU, creating knowledge for a better world is the vision that unites our 7 400 employees and 42 000 students.

We are looking for dedicated employees to join us.

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

Video: <https://www.youtube.com/watch?v=clgKd1SwGLI>

About the position

IAT offers education at Master level in Architecture and Sustainable Architecture and carries out academic research related to Quality of Architecture, Architectural Transformation, Architectural History, Structures, Form, Light, Colour, and Environmental Impact of Architecture.

The research center Zero Emission Neighborhood (ZEN) <https://fmezen.no/> and the Light & Colour Centre <https://www.ntnu.edu/iat/lightandcolour>, both belonging to IAT, are the most relevant professional groups for the position at the department.

The position is a part of a strategic initiative to strengthen the link between academic research at the faculty, modern visualization methods and techniques, and architectural practice. The position is related to the research group Energy and Environment.

You will report to the head of the department.

Duties of the position

- The candidate is supposed to carry out research under professional supervision resulting with a series of scientific articles, three of them in renown scientific journals, and aiming at a PhD-dissertation.
- Partly contribute with her/his knowledge to the teaching at the IAT, e.g. in the course Light and lighting or Light and colour.
- Contribute to good condition of the laboratories (ROMLAB and Daylight Lab.).
- Contribute to a friendly, supportive, and inclusive working environment in the research groups and in the department.

Required selection criteria

The PhD-position's main objective is to qualify for work in research positions. The qualification requirement is that you have completed a master's degree or second degree (equivalent to 120 credits) with a strong academic background in architecture or equivalent education with a grade of B or better in terms of [NTNU's grading scale](#). If you do not have letter grades from previous studies, you must have an equally good academic foundation. If you are unable to meet these criteria you may be considered only if you can document that you are particularly suitable for education leading to a PhD degree.

The appointment is to be made in accordance with the regulations in force concerning [State Employees and Civil Servants and national guidelines for appointment as PhD, post doctor and research assistant](#).

- Good skills and experience with architectural simulation and visualization tools.

Preferred selection criteria

- Experience or affinity with VR-visualization methods connected to research or architectural practice written and spoken proficiency in English
- Specialization in lighting design
- Knowledge and use of colour systems and/or colour simulation

Personal characteristics

- Strong interpersonal skills
- Creativity and inventiveness in planning and development of research projects
- Endurance in accomplishment of a long-term work
- Good ability to formulate and describe ideas, thoughts and tasks, both orally and in the written form

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

PhD candidates are remunerated in code 1017, and are normally remunerated at gross from NOK 479 600 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 three years.

Appointment to a PhD position requires that you are admitted to the PhD programme in architecture <https://www.ntnu.edu/studies/phaar> within three months of employment, and that you participate in an organized PhD programme during the employment period.

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 daily.

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.

The application must include:

- CV, certificates and diplomas, list of publications, projects, and academic work
- Project proposal with a research questions, methods, expected results and impact of the project; about 5 A4 pages
- One example of written work by you (maximum 10 A4 pages)
- Name and contact details to three potential reference persons
- Copies of educational certificates
- The documentation of qualifications must be in English or a Scandinavian language

The qualifications and project proposals of the applicants will be evaluated according to the following criteria:

- The formal academic requirements for the position
- The significance, originality, relevance, feasibility and potential impact of the proposed research
- The quality of the scientific papers and other work presented in the portfolio
- The academic competence of the applicant and the applicant's personal suitability within the context of the department's educational environment

Shortlisted candidates will be invited for interviews and discussions about their project proposals. The top candidates might be offered the opportunity to revise and improve their project proposals in dialogue with the supervisor within a second deadline before the recruitment process is finalized.

In the evaluation of which candidate is best qualified, emphasis will be placed on education, experience and personal suitability.

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](#)

A good work environment is characterized by diversity. We encourage qualified candidates to apply, regardless of their gender, functional capacity or cultural background.

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.

Information Act (Offentleglova), your name, age, position and municipality may be made public even if you have requested not to have your name entered on the list of applicants.

If you have any questions about the position or the recruitment process, please contact professor Barbara Szybinska Matusiak, telephone: +47 41809981, email barbara.matusiak@ntnu.no.

Please submit your application electronically via jobbnorge.no with your CV, diplomas and certificates. Applications submitted elsewhere will not be considered. Diploma Supplement is required to attach for European Master Diplomas outside Norway. Chinese applicants are required to provide confirmation of Master Diploma from [China Credentials Verification \(CHSI\)](#).

If you are invited for interview you must include certified copies of transcripts and reference letters. Please refer to the application number 2020/16331 when applying.

Application deadline: 06.09.2020

NTNU - knowledge for a better world

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The Norwegian University of Science and Technology (NTNU) creates knowledge for a better world and solutions that can change everyday life.

Department of Architecture and Technology

Our goal is to develop coherent and sustainable architecture of high quality. We work with form, theory and history, building materials and building structures, and energy-efficient and sustainable buildings. Our activities also include the preservation and development of traditional building craft skills. [The Department of Architecture and Technology](#) is one of four departments in the [Faculty of Architecture and Design](#).

Additional information

Place of service: