

**Jobbnorge ID:** 233179  
**Deadline:** 10/15/2022  
**Website:** <http://www.ntnu.no>  
**Scope:** Fulltime  
**Duration:** Temporary

The Department of Computer Science has a vacancy for a

## Postdoctoral Fellow in Subjective Image Quality Assessment

### 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 42,000 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 position

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

A 41 months Postdoctoral position is available at the Department of Computer Science in Gjøvik. The position will focus on investigating how content influences subjective image quality assessment.

The Postdoctoral position is part of the research project "Quality and Content: understanding the influence of content on subjective and objective image quality assessment". The project aims to advance the understanding of image quality and develop more precise and better performing image quality metrics based on improved understanding on how content influences image quality. The position will focus on investigating how content influences subjective image quality assessment.

The position is complementing the state-of-the-art research performed at [the Norwegian Colour and Visual Computing Laboratory](#).

Your immediate leader is Head of Department.

### Duties of the position

- Conduct a stand-alone research project on image quality assessment.
- Participate in the general activities of the Colourlab.
- Participate in the general activities of the department.
- Participate in international activities such as conference attendance and research stays at educational institutions abroad, as well as popular scientific dissemination of the research.

### Required selection criteria

- You must have completed a Norwegian doctoral degree or corresponding foreign doctoral degree recognized as equivalent to a Norwegian PhD.
- You must have a professionally relevant background in computer science, image quality, vision science, psychology, or similar.
- Experience in subjective image quality assessment.
- Experience in designing, running, and analyzing experiments with observers.
- Experience in statistical analysis.
- Good programming knowledge and experience.
- Be able to travel easily.
- Excellent oral and written communication skills in English and an ability to communicate effectively.

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

- Knowledge of the human visual system.
- Good oral and written communication skills in a Scandinavian language.
- Experience in using statistical tools (R) and programming languages (Python).

## Personal characteristics

- High motivation for research work and ability to work independently.
- Well organized.
- Ability to work both individually and in a (virtual) team environment with a high level of personal responsibility, initiative, and leadership skills.
- Flexibility and ability to take direction and accommodate feedback from diverse stakeholders.
- Ability to meet deadlines and produce work of a consistently high standard.
- Eager to disseminate research results through publications and presentations at international conferences, as well as popular scientific dissemination.

## 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 41 months.

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 your application will be considered based solely on information submitted by the application deadline. You must therefore ensure that your application clearly demonstrates how your skills and experience fulfil the criteria specified 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:

- A cover letter where the applicant describes his/her personal motivation and relevance with respect to the requirements of the advertisement.
- CV, certificates and diplomas.
- Transcripts and diplomas for bachelor's and master's degrees. If you have not completed the master's degree, you must submit a confirmation that the master's thesis has been submitted.
- Name and contact information of two referees.
- If you have publications or other relevant research work (up to 3 items).

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 Gjøvik has a population of 30 000 and is a town known for its rich music and cultural life.** The beautiful nature surrounding the city is ideal for an active outdoor life! The Norwegian welfare state, including healthcare, schools, kindergartens and overall equality, is probably the best of its kind in the world.

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 Prof. Marius Pedersen, telephone +47 93 63 43 85, email [marius.pedersen@ntnu.no](mailto:marius.pedersen@ntnu.no). If you have any questions about the recruitment process, please contact the HR-team at the Department of Computer Science, e-mail: [hr@idi.ntnu.no](mailto:hr@idi.ntnu.no).

If you think this looks interesting and in line with your qualifications, please submit your application electronically via [jobbnorge.no](http://jobbnorge.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: 15.10.22**

## 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 Computer Science

We are the leading academic IT environment in Norway, and offer a wide range of theoretical and applied IT programmes of study at all levels. Our subject areas include hardware, algorithms, visual computing, AI, databases, software engineering, information systems, learning technology, HCI, CSCW, IT operations and applied data processing. The Department has groups in both Trondheim and Gjøvik. The [Department of Computer Science](#) is one of seven departments in the [Faculty of Information Technology and Electrical Engineering](#).

## Additional information

### Place of service:

Campus Gjøvik 2815 Gjøvik (Gjøvik Municipality)