

**Jobbnorge ID:** 162451  
**Deadline:** 1/23/2019  
**Website:** <http://www.ntnu.no>  
**Scope:** Fulltime  
**Duration:** Temporary

The Department of Mechanical and Industrial Engineering has a vacancy for a PostDoctoral Fellow

## Postdoctoral Fellow related to the NTNU Aluminium Product Innovation Center SO-IV 27/19

### This is NTNU

At NTNU, creating knowledge for a better world is the vision that unites our 7 000 employees and 40 000 students.

We are looking for dedicated employees to join us.

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

### About the position

We have a vacancy for a PostDoc at the Department of Mechanical and Industrial Engineering

The PostDoc position will be related to the NTNU Aluminium Product Innovation Center (NAPIC), which is a newly-established formal collaboration between Hydro and the three NTNU faculties Engineering, Natural Sciences and Architecture and Design. SINTEF and Sintef Raufoss Manufacturing are also part of the centre. The center is hosted by Department of Mechanical and Industrial Engineering, and the goal of NAPIC is to explore new aluminum product opportunities, employing a research-driven innovation approach based on cross-disciplinary collaboration between product design and development, manufacturing, materials technology and product applications.

The position reports to Professor and Head of Department Torgeir Welo.

### Job description

- Conduct research on advanced forming and joining of aluminium - herewith experimental R&D with regards to 3D-bending of profiles with proportional straining during forming to minimize springback effects, improve dimensional accuracy, and in-line and real-time calibration.
- Contribute to develop open protocol control system for adaptive 3D-bending, enabling and analyzing a multitude of measures for in-process compensation mechanisms.
- Contribute to develop and operate the ManuLab/NAPIC laboratories to enable researched-based new aluminium applications.
- Contribute to education and supervision of higher degree students with regards to aluminium related subjects.
- Conduct and publish high level research to qualify for an academic career.

### Qualification requirements

#### Postdoctoral fellow:

A postdoctoral research fellowships is a qualification position in which the main objective is qualification for work in academic positions. Completion of a Norwegian doctoral degree in [subject area] or corresponding foreign doctoral degree recognized as equivalent to a Norwegian doctoral degree is required.

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.

- Having interest in experimental research
- Good written and oral English and Norwegian language skills

### Personal characteristics

- Curious
- Collaborative
- Dedicated

In the evaluation of which candidate is best qualified, emphasis will be placed on education, experience and personal suitability, as well as motivation, in terms of the qualification requirements specified in the advertisement

## 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

Postdoc:

Postdoctoral candidates are remunerated in code 1352, and are normally remunerated at gross from NOK 515 200 before tax per year. From the salary, 2 % is deducted as a contribution to the Norwegian Public Service Pension Fund.

The period of employment is 2 years

Appointment takes place on the terms that apply to State employees at any time, and after the appointment you must assume that there may be changes in the area of work.

## 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. Under the Freedom of Information Act (offentleglova), information about the applicant may be made public even if the applicant has requested not to have their name entered on the list of applicants.

Questions about the position can be directed to Geir Ringen, phone number +47 41 67 98 34, e-mail [geir.ringen@ntnu.no](mailto:geir.ringen@ntnu.no)

About the application:

Publications and other academic works that the applicant would like to be considered in the evaluation must accompany the application. Joint works will be considered. If it is difficult to identify the individual applicant's contribution to joint works, the applicant must include a brief description of his or her contribution.

Please submit your application electronically via [jobb norge.no](http://jobb norge.no) with your CV, diplomas and certificates. Applicants invited for interview must include certified copies of transcripts and reference letters. Please refer to the application number SO IV-27/19 when applying.

**Application deadline: 23.01.2019**

## NTNU - knowledge for a better world

### 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 Mechanical and Industrial Engineering

We educate graduates who can create new products, operate and maintain products, and manage projects. The Department has a variety of bachelor's and master's degree programmes. We conduct wide-ranging research in fields such as technology, energy, product quality and development, and productivity. [The Department of Mechanical and Industrial Engineering](#) is one of eight departments in [the Faculty of Engineering](#).

## Additional information

### Place of service:

Institutt for maskinteknikk og produksjon 7491 Trondheim (Trondheim Municipality)