



# PhD position in Smart Material Handling for Innovative Industry (SO IV 36/19)

## About the position

We have a vacancy for a PhD position at the Production Management research group of the Department of Mechanical and Industrial Engineering. The position is within the area of new smart material handling, industrial logistics and new technologies.

The position reports to prof. Fabio Sgarbossa.

## Job description

The primary focus will be to deeply investigate how this new material handling systems affect the design and management of traditional production and logistics systems. Particular attention will be paid on the integration of new technologies (co-bots, augmented reality, immersive reality, others) in such a system.

We are currently increasing our focus on technology-based innovations for the design and management of such systems, among other things by means of a Logistics 4.0 Laboratory. The PhD student will become part of a team developing and using this laboratory for research purposes.

## Qualification requirements

The PhD-position's main objective is to qualify for work in research positions. The qualification requirement is completion of a master's degree or second degree (equivalent to 120 credits) with a strong academic background in [subject area] or equivalent education with a grade of B or better in terms of [NTNU's grading scale](#). Applicants with no letter grades from previous studies must have an equally good academic foundation. Applicants who are unable to meet these criteria may be considered only if they can document that they are particularly suitable candidates 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, postdoctor and research assistant](#)

### Other qualifications

- For an application to be considered, the applicant must attach a preliminary description (maximum 2 pages) of a research plan.
- The applicant's ability to carry out high quality scientific work, in combination with good skills to deliver oral and written presentation of research results.
- Excellent English skills—written and oral—are required, and applicants with Scandinavian language skills will be preferred.

## Personal characteristics

- The successful applicants must be highly motivated and ambitious.
- Good collaborative capabilities will be emphasized.
- The successful candidate should be creative, with a strong ability to work problem oriented and to work independently

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

PhD candidates are remunerated in code 1017, and are normally remunerated at gross from NOK 449 400 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 3 years. Appointment to a PhD position requires admission to the PhD programme in Engineering (<https://www.ntnu.edu/studies/phiv>).

As a PhD candidate, you undertake to participate in an organized PhD programme during the employment period. A condition of appointment is that you are in fact qualified for admission to the PhD programme within three months.

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 Prof. Fabio Sgarbossa phone number +47 90768098, e-mail [fabio.sgarbossa@ntnu.no](mailto:fabio.sgarbossa@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 [jobbno.no](http://jobbno.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 36/19 when applying.

**Application deadline: 23.01.2019**

## 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 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 programs. 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](#).

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