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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.

Faculty of Engineering
Department of Mechanical and Industrial Engineering

PhD position in Industry 4.0-based Production Management (IV-190/18)

Description

A PhD fellowship with four years duration is available at the Production Management research group of the Department of Mechanical and Industrial Engineering. The position is within the area of digitalized logistics. The primary focus will be on developing knowledge on how digitalization and Industry 4.0 provide new opportunities and solutions in the development of industrial logistics systems. We are currently increasing our focus on technology-based innovations for planning and control in such systems, among other things by means of an Logistics 4.0 Laboratory. The PhD student will become part of a team developing and using this laboratory for research purposes.

We are looking for a creative PhD student with strong interest in the application of digital technologies within the area of Production Management. We offer an exciting and challenging environment where you will perform your research in close collaboration with innovative industrial companies in Norway. The research will be oriented towards the challenges of these world-leading companies, and how they can be addressed by means of new technology.

Qualifications

The PhD position requires a MSc degree or equivalent in Production Management. Education with a technological profile is an advantage. For an application to be considered, the applicant must attach a preliminary description (maximum 2 pages) of a research plan. The successful applicants must be highly motivated and ambitious with excellent grades from his/her MSc (minimum average grade B). 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, along with good collaborative capabilities will be emphasized. Excellent English skills—written and oral—are required, and applicants with Scandinavian language skills will be preferred.

Conditions

PhD Candidates are remunerated in code 1017, and are normally remunerated with gross salary NOK 436.900 before tax. There will be a 2 % deduction to the Norwegian Public Service Pension Fund from gross wage. As a member of the Norwegian Public Service Pension Fund you are offered:

- A good pension
- A favorable housing loan interest
- Good insurance schemes

The position is financed for 4 years, and includes 25% duty work. Work location is NTNU in Trondheim, Norway.

Applicants for a PhD will have to engage in an organized PhD training program, and appointment in the position requires approval of the applicants plan and qualifications for the PhD study within three months from the date of commencement of the PhD position. See <https://www.ntnu.edu/iv/phd-information> and <https://innsida.ntnu.no/doktorgrad> for more information.

The engagement is to be made in accordance with the regulations in force concerning State Employees and Civil Servants. The positions adhere to the Norwegian Government's policy of balanced ethnicity, age and gender. Persons with immigrant background are encouraged to apply. NTNU's objective is to increase the number of females in scientific positions and female applicants are therefore encouraged to apply.

Application

Applications with CV, grade transcripts, diplomas, description of research plan, letters of reference, and other enclosures should to be submitted electronically through www.jobbnorge.no. Applications submitted elsewhere will not be considered.


The application should contain:


- CV which should include: relevant formal educational background, diploma grade, participation in research projects, work experience, skills and any other relevant experience.
- Certified diploma

- Certified grade transcripts and documentation of an average grade of B or better as described above.
- Reference letters.
- Motivational letter of maximum two pages describing why the applicant wants to come to NTNU, the applicant's view of research challenges within the area of the PhD position and how the applicant's competence can contribute to solve these challenges.
- Statement of experience with regard to the list of important subject areas mentioned above.
- If applicable, list of publications, conferences presentations and other relevant scientific work
- Proficiency in English, best shown by providing TOEFL scores.
- Graduate Record Examination (GRE) Test scores or equivalent would strengthen the application.

Note that diploma supplement or similar, that also include the grade scale, has to be attached for master diplomas outside Norway. Master diploma from China has to be verified by CDGDC (<http://www.chinadegrees.cn/en/>).

For further information about the position, please contact

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Associate Professor Marco Semini, marco.semini@ntnu.no, tel. +47 93058081 

Mark the application with IV-190/18

Anticipated commencement: Fall 2018, in agreement with the Department.

Application deadline is 14.06.2018

According to the new Freedom of Information Act, information concerning the applicant may be made public even if the applicant has requested not to be included in the list of applicants.

Jobbnorge-ID: 153649, Søknadsfrist: Avsluttet