

PhD students in Industrial Engineering and Management with Specialization in Industrial Management at Linköping University

Ref IEI-2018-00623

Skilled and committed employees are a crucial factor in the success of Linköping University. And we need more of them. Our core expertise comes from teachers and researchers, but a successful university requires experienced and motivated employees in many fields. Everyone is important. We need to recruit many new employees due to, among all, an expansion in our research activity. We need you here. We look forward to receiving your application!

Through the activities in research, the Department of Management and Engineering (IEI) provides education in a wide range of fields, from economy and management to design and technology. As one of the university's largest departments, our strength is the education and research that support and benefit each other. Our mission is to encourage innovation and development through which we develop dedicated, innovative student who can improve the world. We have strong links within the corporate and other sectors, which facilitates the employability of our graduates and the application of our research.

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LINKÖPING UNIVERSITY

Hereby advertises 2 positions as

PhD student in Industrial Engineering and Management with Specialization in Industrial Management

formally based at the division of Project, Innovation and Entrepreneurship, Department of Management and Engineering (IEI), Campus Valla.

Do you want to take the challenge of being a PhD Student in the division of Project, Innovation and Entrepreneurship? This is a decentralized division where several core topics meet and interact in a cross-disciplinary manner. At present, we are around 20 employees, including several PhD Students. As a PhD Student in our division, you are going to join a team of colleagues at different levels in their careers. We have an international research environment and focus mostly on the areas of innovation and entrepreneurship. Within the innovation area, the research focus is on innovation management and innovation processes in different types of knowledge intensive organizations, firms and industries. Among other things, our research addresses the way innovation is organized both in and between organizations, innovation management in complex intelligent systems, relationship between technology development and innovation strategies in industrial firms and long-term change processes. Within the areas of entrepreneurship, we study the early idea development

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and start-up processes in young growing enterprises in different branches and contexts. We also study the role of academia in the regional development, as well as the role of initiatives by intermediaries and public actors to support entrepreneurship and development of new ideas and enterprises. The research in the division is conducted in close cooperation with industry and society.

The announced positions are related to two research projects in the division:

The first project studies the innovation system for electric urban distribution trucks. Vehicle electrification is a promising energy efficient and low emission alternative, in particular for city traffic and Sweden has ambitious goals for electrification of urban distribution trucks. However, so far their diffusion has remained slow. An important part of the problem is the complexity of the corresponding innovation system where actors from different industrial and societal sectors face the challenges of knowledge integration and coordination. This project aims to investigate how relevant actors such vehicle manufacturers, electric power suppliers, city planners and logistics companies through knowledge development and coordinated efforts can facilitate the development and diffusion of heavy electric distribution trucks. The research is primarily based on interviews and document studies. The project is financed by the Swedish Energy Agency.

The second project analyzes and develops organizational innovation models for successful digital transformation in Swedish firms. New forms of digitalization, advanced automation, internet-of-things and artificial intelligence challenge both private and public organizations. Digital technologies change prerequisites for production, organization and competition methods in nearly every sector, from retail, health, education, publishing to the engineering and automotive industries. While several Swedish firms have successfully adopted digitalization, others have lost ground due to the growth of digital-based competitors. To succeed in digital markets, both technological and organizational innovations are required. This project will investigate how existing business practices, organizational routines and resources are challenged by digitalization and, with participation of several industrial firms, develop a management model which can help firms to scan their new environment, assess obstacles and capabilities, and create new ways of working towards the digital transformation. The project builds on close cooperation with the companies Strömsholmen and Husqvarna. The project is financed, in part, by Vinnova.

Specify in your application which of the two projects you are particularly interested in and motivate why.

Duties

As a PhD student you can work with teaching and administration tasks up to 20 percent of full time, the remaining part will be devoted to your own research and research education. As a PhD student, you will take responsibility for conducting theoretical and empirical studies in consultation with your supervisors.

Qualifications

Qualified to PhD studentships are only those who are or have been admitted to graduate studies. The basic requirement to be admitted to graduate studies is to have completed a Master level degree, or to have completed courses that correspond to at least of 240 credits, out of which at least 60 credits at the advanced level, or to have

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in Sweden or internationally gained corresponding education. Qualified to be admitted to graduate studies in Industrial Management are those who satisfy the requirement of the Master degree with at least 60 credits at the advanced level in courses related to the specialization of the graduate studies. These 60 credits shall include an independent work corresponding to at least 30 credits within the area of relevance for the graduate studies.

It is meritorious of the applicant for this position has knowledge of innovation processes and innovation systems. Since the research takes place in an international environment and research results primarily are communicated in English, it is important to good English language skills. Language skills in written and oral Swedish are meritorious, but not a requirement. Personal qualities and fit for the position are of high importance.

Appointment time

The first appointment will be for a maximum of one year. The appointment can be extended by maximum two years at a time. A doctoral student may not be employed during a period exceeding eight years. The total time of appointment must not exceed the equivalent of four years' full time research training.

Starting date

By agreement, but at the latest spring 2019.

Salary

The salary for PhD students is based on the department's salary scale.

Union representatives

For contact with union representatives see below.

Application procedure

Apply for the position by clicking the "Apply" button below. Your application must be received at latest 19th of November 2018. Applications and documents received after the date above will not be considered.

Equal opportunities

A majority of our Ph D students within the Department are men, which is why precedence will be given to women in cases where qualifications are deemed otherwise equivalent.

Linköping University will continue to develop as an attractive and creative place of work, characterized by equal terms and actively works for equality and diversity.

We look forward to receiving your application!

Linköping university has framework agreements and wishes to decline direct contacts from staffing- and recruitment companies as well as from vendors of job advertisements.

Contact person

Ksenia Onufrey
Universitetslektor/Senior Lecturer

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Application deadline: 14th of December 2018.

Apply page here: <https://liu.se/en/work-at-liu/vacancies?rmpage=job&rmjob=9659&rmlang=UK>

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