

Doctoral Researcher, Digital transformation of operations
and supply chain management
Aalto University

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Posted Aug. 22, 2024, set to expire Dec. 30, 2024

Job Title Doctoral Researcher, Digital transformation of
operations and supply chain management

Department T307 Dept. Industrial Engineering and Management

Institution Aalto University
, , Finland

Date Posted Aug. 22, 2024

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Graduate Student

Academic Field(s) Industrial & Systems Engineering

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Doctoral-Researcher--Digital-transformation-of-operations-and-supply-chain-management_R40514-1

Apply By Email

Job Description

PhD Position at Aalto University, Department of Industrial Engineering and Management

Position: Doctoral Researcher

Supervisor: Prof. Siavash Khajavi

Department: Industrial Engineering and Management

Location: Aalto University, Espoo, Finland

Application Deadline: As soon as a qualified candidate is found

Starting Date: September 1st, 2024 or based on the agreement with the candidate

Expected Completion Period: 4 years (2+2)

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About Aalto University

Aalto University is a multidisciplinary community where science and art meet technology and business. We are committed to identifying and solving grand societal challenges and building an innovative future. Our campus is located in Espoo, part of the greater Helsinki metropolitan area, which is known for its high quality of life, vibrant culture, and strong tech industry presence.

Department Overview

The Department of Industrial Engineering and Management at Aalto University is at the forefront of education and research in the fields of industrial engineering, operations management, and technology-based entrepreneurship. More information about our department can be found on our website: Department of Industrial Engineering and Management.

About the Position

We are seeking a highly motivated and talented individual to join our team as a PhD candidate. The successful applicant will work under the supervision of Prof. Siavash Khajavi, an expert in the field of digital transformation of operations management. The PhD project will focus on the digital transformation of operations and supply chain management, which has significant implications for the economic prosperity of nations and production efficiency and sustainability.

The research will explore the digital transition in the context of industrial operations and manufacturing, focusing on novel technologies. This multidisciplinary approach will cover topics such as the impact evaluation of industrial additive manufacturing, digital twins, blockchain-enabled technologies, and large language & vision models (LVLM). The aim is to understand their combined impact on the future of operations and supply chain management and industrial operations.

Responsibilities * Conducting high-quality research in the field of industrial engineering and management. * Publishing research findings in reputable scientific journals and presenting at international conferences. * Collaborating with other researchers, industry partners, and stakeholders. * Assisting in teaching and mentoring undergraduate and master's students. * Completing 30 ECTS compulsory credits related to research methods and other relevant topics. * Developing research and publication skills. * Producing a doctoral dissertation comprising 3-4 high-quality articles published or under review.

Qualifications * A Master's degree (or equivalent) in Industrial Engineering, Management, Operations Research, or a related field. * Strong analytical and problem-solving skills. * Excellent written and verbal communication skills in English. * Experience in conducting research and a strong interest in pursuing a research career. * Ability to work both independently and as part of a team.

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We Offer * An inspiring and supportive working environment within a top-tier research university. * Access to state-of-the-art facilities and resources. * Opportunities for professional development and international collaboration. * Competitive salary and benefits. * Annual opportunities to attend relevant conferences. * Frequent supervisory and advisory meetings to support the doctoral candidate's development.

Application Instructions

To apply for the position, please submit your application including the attachments mentioned below as one single PDF document through our online recruitment system Workday by using the link "Apply now!". * A cover letter explaining your motivation for applying for this position and your research interests. * A detailed CV, including a list of publications (if applicable). * Copies of your academic degrees and transcripts. * Contact information for at least two academic references. * A brief research proposal (1-2 pages) outlining your ideas for the PhD project.

For further information, please contact Dr. Siavash Khajavi at [\[url=mailto:siavash.khajavi@aalto.fi\]](mailto:siavash.khajavi@aalto.fi)siavash.khajavi@aalto.fi.

Join us at Aalto University and contribute to groundbreaking research that shapes the future of industrial engineering and management!

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Finland