

Digitaliseringens påverkan på arbetsmiljön - några exempel



HELIX
20191023

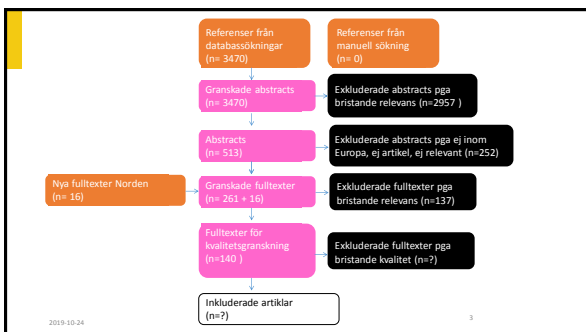
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En litteraturstudie

- Engelska: work* AND (digit* OR "information technology" OR ICT OR robot*) AND (health OR wellbeing OR well being)
- Svenska: arbet* AND (digit* OR informationsteknologi* OR IKT OR robot*) AND häls*

Population	Exposure	Outcomes
<ul style="list-style-type: none"> Arbete/arbetsmarknad Individer i avlönat arbete 	<ul style="list-style-type: none"> Digitalisering, digital teknik som påverkar arbetsmiljö/arbetsvillkor 	<ul style="list-style-type: none"> Arbetsmiljö Arbetsvillkor Ergonomi

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Teman

- Organisatorisk och social arbetsmiljö
 - Kompetens och lärande
 - Arbete och övrigt liv
 - Team och ledarskap (inkl social stöd)
 - Arbetsbelastning, krav och inflytande över arbetsvillkor
 - Övrigt
- Fysisk arbetsmiljö
- Förebyggande



Digital arbetsmiljö

Alla dessa system som kom och gick, inte visste jag att det var löst.

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Exempel 1 – Tillbaka till arbetet med VR (förebyggande, fysisk, orgsoc)

Analysis for the design of a novel integrated framework for the return to work of wheelchair users



Review 9 February 2017
Accepted 26 April 2018

Abstract
BACKGROUND: Return to work represents an important milestone for workers who were injured during a workplace accident, especially if the injury results in needing a wheelchair for locomotion.
OBJECTIVE: The aim of the study was to design a framework for creating a return-to-work plan in a wheelchair user's rehabilitation process.

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Exempel 2 – Säkert samarbete människa-robot (Förebyggande fysisk)

Robotics and Computer Integrated Manufacturing 54 (2019) 103–203

Contents lists available at ScienceDirect

Robotics and Computer Integrated Manufacturing

journal homepage: www.elsevier.com/locate/rcim

A cyber physical system (CPS) approach for safe human-robot collaboration in a shared workplace

Nikolaos Nikolakis, Vasilis Mavroulakis, Sotiris Makris

Abstract
 Human-robot collaboration systems require increased levels of automation for fast and low-cost production, but also high levels of flexibility and adaptability to diverse production requirements. Human-robot collaboration offers the most collaborative and flexible way to design, develop, manufacture and assemble products by combining the performance of robotic systems with the flexibility and dexterity of human workers. However, the main challenge in establishing human-robot safety protocols is to design, develop, manufacture and assemble products with human-robot collaboration. In this paper, a cyber physical system for safe and meaningful human-robot collaborative assembly operations is presented. The system consists of a shared workspace, a shared assembly task, a shared assembly station, a shared assembly robot, and a shared assembly workstation. The system is designed to be used in a shared workspace, with a shared assembly task, and a shared assembly station. The system is designed to be used in a shared workspace, with a shared assembly task, and a shared assembly station. The system is designed to be used in a shared workspace, with a shared assembly task, and a shared assembly station.



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Exempel 3 – Resa i arbetet och familjeliv (Orgsoc - Arbete och övrigt liv)

New Technology, Work and Employment 31:3
DOI: 10.1080/09591418.2019.1648885

Business travellers' connections to home: ICTs supporting work-life balance

Adele Ladkin, Cheryl Willis, Juliet Jain, William Clayton
and Marina Marouda

This paper examines the role of information communication technology in enabling connections to home for work-related travellers. Although digital connectivity for work-related tasks are well researched, the use of digital technology for home communication is under researched. The study draws on a qualitative study of UK-based organisations and business travellers to explore how these travellers use ICTs for personal use while 'on the move'. The findings reveal that organisations are supportive of work-life balance for employees, but fail to



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Exempel 4 – Digitalisering av bankarbete (Orgsoc – team och ledarskap)

Digitalisation in the banking industry and workers subjective well-being Contingency perspective

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Digitalisation
in the banking
industry

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Received 19 July 2018
Revised 10 August 2018
Accepted 1 September 2018

Abstract
Purpose: The purpose of this paper is to explore how bankers perceive digitalisation relating to their subjective well-being. The paper seeks to further explore how this relates in contrast to the impact of structural equities represented by the concept of work-ethic/collective equities/culture.

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Sammanfattning - preliminärt

- Digitalisering påverkar arbetsmiljöns olika delar
- Digitaliseringen kan påverka arbetsmiljön positivt och negativt
- Vad framtiden har att erbjuda har vi ingen aning om



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Tack!

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