Working with or against the machine? Optimizing human-robot collaboration in logistic warehouses.
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RESEARCH QUESTIONS:
Main question: how to optimize human-robot-collaboration?
• How to make working with a robot meaningful?
• When do workers take responsibility for their collaboration with robots?
• What (new) knowledge, skills, and abilities do workers need?

APPROACH
• Literature research
• Interviews with warehouse employees
• Job / task analysis for order pickers
• Surveys among warehouse employees

OUTCOMES
• Theoretical Framework of key human/social factors that play a role in the implementation process of robots in logistics
• Practical roadmap for successful implementation of robots in the warehouses

PROJECT PARTNERS
• TU/e, Human Performance Management Group (Industrial Engineering)
• TU/e, Philosophy and Ethics (Innovation Sciences)
• TKI Dinalog
• Vanderlande Industries BV
• Ingram Micro CFS Technology BV
• Access Business Group International BV

PAPERS IN PROGRESS
• Robots in the Workplace: A Threat to – or Opportunity for – Meaningful Work?
• Can a Robot be a (good) Colleague?
• Robots in the Workplace. Design Choices and Problematic Responsibility Ascriptions to Human Co-workers.