

**Gastvortrag im Rahmen der Ringvorlesung
„Digitale und vernetzte Arbeitswelten“
am 12.12.2022**

Beginn: 09:15 Uhr, Ort: Zoom-Meeting

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„Digitalization and Worker Health: For Better and Worse“

(joint with Sebastian Findeisen, Stephan Maurer, Oliver Schlenker)

We aim to quantify the relationship between an increasing use of modern digital technologies and health outcomes using novel linked employer-employee data that is representative for the German economy. In particular, we relate changes in workplace-level technology adoption to changes in workers' health, sick days at work, cumulated earnings, and tasks performed at the workplace, while taking account of a rich set of worker-, occupation- and establishment-specific characteristics and trends. Firstly, we show that the use of 4.0 technologies comes with an increase in the complexity of tasks performed in the workplace as well as work pressure. Secondly, we find that, on average, the increasing use of 4.0 technologies at the workplace is associated with a diminishing subjective health and increasing sick days at work which is driven by individuals in manual occupations and with low education.

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