

# WORK2017

Work and Labour in the Digital Future

16–18 August 2017 Turku, Finland

## WORKPLACE CHANGE DUE TO THE DIGITALISATION OF THE WORK TOOLS

**Chairs:** Dr. Michael Tiemann and Prof. Dr. Robert Helmrich, Federal Institute for Vocational Education and Training (BIBB), Bonn, DE

The digitalisation of economies acts primarily on the ratio of machines to humans. Human labour input needs and uses working devices to produce goods. Digitalisation affects these working devices and acts upon them: due to technological change they are altered, they disappear or new devices are being invented.

Working devices and tools can be used to link several analytical perspectives to investigate the effects of digitalisation on workplaces and employment. These effects include the structure and amount of labour needed, shifts between occupational fields and changes within them, changes in working tasks and the task-composition of jobs, job-requirements and the changing relevance of qualifications. Another aspect the analysis of working tools also helps to understand is the demand for specific competences within occupations. Working devices also lend themselves for analyses of workspace-specific understanding of said changes.

In this session we want to investigate changes in occupational requirements and tasks due to the increasing saturation of workplaces with digital and digitalised devices and gain a deeper understanding of the social and occupational consequences of these developments.

Working devices can empirically be assessed in different settings, but they can also be used to link different data sources. Among these are employee and firm Level data, linked employer-employee data, and Job advertisements. Thus, contributions focusing on this linking aspect are also welcome.

If you wish to propose a session within the stream, that is, 3-4 papers tied together with specific focus or theme, the organizers will try to accommodate them in the programme.