

World Congress 2020 in Toronto

S 17 Manufacturing machine safety in the digital age

Planned content:

Digital transformation offers chances but also requires to look at additional, new emerging risks for industry and manufacturing. With the focus on OSH some questions and possible solutions shall be discussed to inform and support companies and workers:

- How does smart technology influence safety, health and performance?
- What do companies need to do to guarantee OSH?
- What do providers of IT-technologies/tools need to know about its possible effects on OSH?
- How to evaluate OSH risks when AI (artificial intelligence) is used in manufacturing?
- What are the benefits of new technologies for OSH prevention?

Approach:

- Methods/ways to analyse companies' needs to deal with effects of digital transformation on OSH
- Examine existing standards for safety of machines, if and how they cover additional risks for OSH
- Develop necessary knowhow in security of OSH professionals and vice-versa
- Present concrete examples, tools, solutions

Target:

- Use symposium results for developing sustainable, practical solutions with international partners, for example industry guides, thus contributing to Vision Zero