



The ISSA Section Machine and System Safety,  
Working Group Human Factors, Ergonomics and Safe Machine  
<<https://www.safe-machines-at-work.org/human-factors>>

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### **Machine and System Safety in Digital Transformation**

*Abstract:* Human factors and ergonomics (HFE) is challenged by machine and system safety under digital transformation calling for sound solutions suitable for application at the shop floor level. HFE challenges will arise with future human-system interactions referring to dynamics in task design, digitised interaction interfaces, and work system entities interwoven in networks. Work system design, i.e. enclosing operator work task, workplace, equipment and environment, seems promising, especially with prevention through design early in construction of today and tomorrow machinery and technical installations. The Human Factors Group of the ISSA Section Machine and System Safety compiled some design requirements and recommendations available in the given context. The Scientific Symposium is likely to support collection of HFE knowledge available, discussion with HFE experts potentially interested and suggestions for research required to increase HFE contributions to machine and system safety in digital transformation. Contributions from, discussions and cooperation with those interested in HFE and objectives presented are always welcome.