



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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Elements of human factors/ergonomics in the machine and system safety.

Abstract: In the concept of work system design, close links between human factors and ergonomics and machine and system safety become apparent. An international working group of the ISSA International Section on Prevention “Machine and System Safety” brings together findings on ergonomic design of machines and technical systems for safe and healthy human-system interactions on an Internet platform. There, contents are briefly explained, recommendations for design are illustrated by way of examples and reference is made to relevant standards and specialist literature. The concept of work system design structures the content of and relationships between relevant system components. Digitalisation, networking and dynamisation make it necessary to transform existing knowledge of human information processing and to gain new knowledge for ergonomic human-system interactions. The internet platform serves international exchange of experiences and development of solution approaches for the design of safe and healthy human-system interaction in future work systems.