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Reliability Conference
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SS-29: Risk Analysis and Safety in Machinery

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Description

The aim is to promote discussion between academic research and industrial state-of-the-art solutions proposed in the field of standardization of safety-related topics covered by the Machinery Directive (2006/42/EC) and the upcoming Machinery Regulation (2023/1230), which will be applicable starting from January 2027 with a strong focus on machine tools and outdoor use mobile machinery.

The upgrade of the current state-of-the-art technical solutions (standardization requirements) and the necessity to address the safety risks related to new technologies introduced by the Machinery Regulation, such as machinery security, collaborative robots, and Artificial Intelligence safety aspects, are in the process of significantly changing factory halls and the machinery within them.

This committee aims to contribute to the exchange of experiences between academia and industry in the field of machinery, as defined in the Directive and Regulation. Tests, best practices, examples of theoretical models, and empirical data related to safety and risk analysis on standardization subjects in machinery will be welcomed. Comparisons between different standardization paradigms, with examples, are also encouraged.

Topics of Interest

- Machine tools safety
- Agricultural machinery safety