



Industry 5.0 in System Maintenance and Reliability

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The phase prior to Industry 5.0 has seen the emergence of the digital industry: advancements such as the Industrial Internet of Things or the combination of Artificial Intelligence and Big Data have generated a new type of technology that can offer companies data-based knowledge. However, during this phase in Industry 4.0, the goal has been to minimize human involvement and prioritise process automation. To a certain extent, humans have been forced to compete with machines, casting the former aside in a myriad of scenarios. In the case of Industry 5.0, this trend is reversed: the goal is to strike a balance whereby machine–human interaction can offer the highest benefits.

This Special Issue welcomes research articles and reviews that investigate Industry 5.0 implementation in the context of system maintenance and reliability, particularly how the right technology and trained personnel can be applied to optimise cost, provide greener solutions, and ultimately improve system maintenance and reliability.

I look forward to receiving your contributions.





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