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Reliable Design, Safe Operation and Smart Maintenance of Machines in the Industry 5.0 Context

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Message from the Guest Editors

Cyber-physical systems are the foundation of the Industry 4.0 concept. With more recent advances and flexibility requirements for these systems; the respective design and implementation sometimes require innovative approaches and techniques due to the constant evolution of the demands and needs of customers. This Special Issue considers all steps in the developmental process; from theoretical study and the development of innovative solutions to the implementation and maintenance of such systems during their life cycle. Aspects such as sustainability; energy saving and expected performance must be considered as main issues on the mentioned steps above.

The scope of this Special Issue is closely associated with that of the ISPEM'2023 conference. This conference and Special Issue aim to present the current innovations and engineering achievements of scientists and industrial practitioners in the thematic areas described above.



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Special Issue



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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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