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Digital Transformation in Manufacturing Industry

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submissions:

closed (31 August 2020)

Message from the Guest Editors

This Special Issue is aimed at disseminating advanced research in the theory and application of digitalisation in the area of manufacturing industries (also known by some experts as Industry 4.0).

The scope of this Special Issue is focused on new digital technologies that can directly impact on various lifecycle stages of manufacturing industries. These could include marketing, design, production, quality control, resource management, supply chain, product and process tracking, and product recycling.

The potential themes include but are not limited to the application of the following technologies within manufacturing industries: cloud computing, big data, Internet of Things (IoT), blockchain in manufacturing, virtual engineering and digital twinning (virtual reality and augmented reality), simulation, machine learning for analytics and predictions in industrial businesses, and industrial cybersecurity.

We also invite articles investigating the human role in digitalised manufacturing industries, the need for resource upskilling, and new business models for manufacturing industries.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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