Special Issue

Artificial Intelligence in Machine Learning Approaches for Smart Manufacturing

Message from the Guest Editors

Industry 4.0 is now underway, changing traditional manufacturing processes into smart manufacturing. Smart manufacturing is one of the main industries to make full use of artificial intelligence and machine-learning technologies. Artificial intelligence is making machines smarter than before in the manufacturing industry by addressing how to build computers that improve automatically with experience. This Special Issue is open to new findings and approaches related to the current challenges and opportunities for the applications of artificial intelligence in smart manufacturing. We encourage researchers to contribute to this Special Issue, including, but not being limited to, the following subject areas:

- Real-time monitoring with machine learning;
- Artificial intelligence for predictive maintenance;
- Production scheduling with reinforcement learning;
- Artificial intelligence and robotics in smart manufacturing;
- IoT-enabled smart manufacturing;
- Digital twin-driven smart manufacturing.

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Deadline for manuscript submissions

closed (20 June 2022)

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About the Journal

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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