Artificial Intelligence and Optimization in Industry 4.0

Guest Editor:

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Message from the Guest Editor

Artificial intelligence (AI) has brought about a change in the pattern of the operation of industry, driven by a new form of interaction between man and machine. Development of AI techniques for Industry 4.0 can help manufacturers improve product quality, reduce cost, and optimize manufacturing processes.

However, the complexity of using AI in Industry 4.0 or smart manufacturing requires manufacturers to collaborate with specialists to achieve appropriate and customised solutions. In addition, building the necessary technology for AI in Industry 4.0 is much costy and requires in-depth knowledge both internally and technically. It is also challenging to take into account zero carbon in all operations in Industry 4.0. Therefore, we kindly invite researchers and practitioners to contribute their high-quality original research or review articles on these topics to this special issue.

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Special Issue

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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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