Special Issue

Application of Artificial Intelligence for Smart Manufacturing

Message from the Guest Editor

Artificial intelligence technology has been introduced and widely used in various fields of society, bringing great convenience to people's production and life, and greatly promoting social progress and development. In the field of intelligent manufacturing, thanks to the vigorous development of image acquisition hardware, deep learning algorithms, edge computing, and other technologies, industrial detection based on machine vision, industrial robots, and intelligent sorting scenes have been widely used. With the aid of artificial intelligence, the workload of personnel can be reduced, the error rate can be reduced, and the product quality can be improved. This Special Issue aims to enable peers to exchange cutting-edge research results of AI in intelligent manufacturing. The scope of achievements focuses on but is not limited to, the innovation and development of AI technology and the application and innovation of AI technology in manufacturing.

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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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