Deep Neural Network: Algorithms and Applications

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Message from the Guest Editors

Deep neural networks have become an important and popular tool for solving various tyes of classification, clustering, and regression problems. The new deep learning architectures offer many advancement in computational ability for highly accurate and reliable results. Deep learning also features as a highly active field for image and signal processing.

Therefore, this Special Issue is intended for the presentation of novel deep learning algorithms and their applications in various areas of research, including the natural sciences, engineering and the built environment, information technology, social sciences, and business/economics.

This Special Issue will publish high-quality, original research papers, in the overlapping fields of:

- Artificial intelligence;
- Machine learning;
- Deep learning;
- Computational and data science;
- Big data applications, algorithms, and systems;
- Hardware and software optimized for artificial intelligence and machine learning;
- New applications of artificial intelligence and machine learning;
- Forecasting and predictions using deep learning neural network.

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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