

Special Issue

Artificial Neural Networks, Theory, Methods and Applications

Message from the Guest Editor

An artificial neural network (ANN) is the piece of a computing system designed to simulate the way in which the human brain analyzes and processes information. The artificial neural network has seen a sharp increase in interest in recent years and is successfully applied across an extraordinary range of problem domains, such as handwriting recognition, image compression, the traveling salesman problem, and stock exchange prediction. The computing world has a great deal to gain from the neural network. We invite researchers and investigators to contribute their original research or review articles to this Special Issue, the aim of which is to bring together academics and industrial practitioners to exchange and discuss the latest theory, methods, and applications of the ANN. Papers addressing, but not limited to, the following topics will be considered for publication. Keywords: artificial neural networks, deep learning, machine learning, pattern recognition

Guest Editor

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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.

Editor-in-Chief

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