Theory and Applications of Neural Networks

Guest Editor:

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Message from the Guest Editor

After decades of development, neural network theory has achieved widespread success in many research fields such as pattern recognition, automatic control, signal processing, decision-making assistance, and artificial intelligence. With the continuous development of neural network theory itself and related theories and technologies, the application of neural networks will surely grow more in-depth. The aim of this Special Issue is to publish high-quality papers in the theory and applications of neural networks and to promote academic exchange between a wide array of scholars. As such, I am inviting you to submit an article to a Special Issue on the theory and applications of neural network in *Mathematics*, a peer-reviewed journal. Such articles can include theoretical research on neural networks, the optimization of neural network models, the research of neural network software simulation and hardware realization, or the application research of neural network in various fields.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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