

Special Issue

Application of Neural Networks and Deep Learning, 2nd Edition

Message from the Guest Editors

A neural network is a computational model based on the structure and function of biological nervous systems, capable of recognizing patterns and regularities through learning. Deep learning, a neural network-based machine learning technique, employs multiple layers of nonlinear transformations to learn high-level representations for tasks such as classification, regression, and generation. Recently, applications of neural networks and deep learning have expanded rapidly across both academic and industrial practice. This Special Issue, titled “Application of Neural Networks and Deep Learning, 2nd Edition”, presents the latest research and developments in neural networks and deep across engineering, science, and management domains. It aims to provide a forum for the exchange of ideas and knowledge among researchers and practitioners worldwide, while inspiring new directions and applications in this field. We welcome both original research articles and review papers. Topics of interest include, but are not limited to, fuzzy neural network control, intelligent control, reinforcement learning, and deep learning.

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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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