

Special Issue

Dynamics in Neural Networks

Message from the Guest Editors

As a method of computational intelligence, artificial neural networks and other methods of computational intelligence have intertwined to develop a variety of new neural networks, which have both practical value and developmental promise. Although neural networks have a relatively sound theoretical foundation, computational intelligence techniques and other important dynamic optimization techniques do not yet have a sound mathematical foundation. The analysis and proof of the stability and convergence of computational intelligence algorithms are still in the research stage. Testing their effectiveness and efficiency through numerical experimental methods and specific applications is still the main method for the study of computational intelligence algorithms. This Special Issue hopes to serve as a good international exchange platform for researchers in various fields to summarize the latest progress and ideas in neural computing and other fields related to neural networks.

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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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