Special Issue

Fuzzy Systems and Fuzzy Neural Networks: Theory and Applications

Message from the Guest Editors

A fuzzy system is any fuzzy logic-based system, which uses fuzzy logic as the basis for knowledge representation, using different forms of knowledge. A fuzzy neural network is a learning machine that finds the parameters of a fuzzy system by exploiting approximation techniques from neural networks. In particular, currently developed theory and applications of fuzzy systems and fuzzy neural networks, and both fuzzy systems and fuzzy neural networks have some things in common. They can be used for solving various types of problems in the areas of economics, business, engineering, management, etc. The main purpose of this Issue is to publish original research articles covering advances in the modeling of hybrid fuzzy systems, and applications of fuzzy neural networks contributing to engineering, industries, electronics, and communications.

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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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