Computational Intelligence, Soft Computing and Communication Networks for Applied Science

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Message from the Guest Editor

Dear Colleagues,

Computational intelligence and soft computing approaches not only process large amounts of information historical data and/or data acquired via interaction with the environment but also continually learn through the consequences of action–result combinations. All aspects of communication systems and networks and computational intelligence will be considered in this Special Issue. Artificial intelligence and soft computing paradigms often leverage nature-inspired computational methodologies, including artificial neural networks (ANNs), fuzzy sets, and evolutionary algorithms (EA), including genetic algorithms (EA/GAs) and their hybridizations, such as neuro-fuzzy computing and neo-fuzzy systems. Powerful computational intelligence and soft computing paradigms have recently been uncovered in numerous branches of soft systems science, including neural networks, swarm intelligence, expert systems, evolutionary computing, fuzzy systems, and artificial immune systems.

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Special Issue

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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.

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