Special Issue

Soft Computing and Fuzzy Optimization

Message from the Guest Editor

Soft computing and fuzzy optimization techniques are widely considered to be essential for recent developments in a variety of sectors, including engineering, industry, management, economics, and medicine, for tackling complicated issues in a more human-like manner. They are mathematical approaches and techniques that mimic human thought processes by addressing cognition, problem solving, and information processing in sets of three and at different levels of complexity. As a computational paradigm, it works with approximate models by fusing together methods and ideas to cope with imprecision and uncertainty in instances where standard optimization approaches may fail or deliver inferior solutions. The use of fuzzy logic in optimization allows for the consideration of multiple conflicting objectives and the incorporation of subjective human preferences into the decision-making process. This Special Issue of *Applied Sciences* aims to provide leading experts in the area with a platform for discussing and disseminating the most current developments in the theory of fuzzy sets and fuzzy logic, as well as their extension and their applications to all dimensions of human endeavor.

Guest Editor

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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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