Special Issue

Multi-Criteria Decision Making (MCDM) Using Artificial Intelligence (AI)

Message from the Guest Editors

Organizations face problems during the process of complex decision making in multifaceted situations where multiple criteria and factors are involved. Real-world decision-support systems require consideration and analysis on the basis of multiple criteria which, in turn, affect the final decisions. Researchers concerned with the design and development of intelligent decision-making systems hunt for innovative scientific techniques, tools and models to improve the quality of the anticipated decisions. To achieve this goal of improved decision making, multi-criteria decision making (MCDM) and artificial intelligence (AI) techniques have recently been extensively practiced by researchers. As a result, significant improvements have been observed in decisions for a wide range of real-world complex problems. The integration of MCDM and AI offers new competencies to the configuration of complex decision making in different environments (e.g., static and distributed). These comprise the management of large datasets, the construction and modelling of innovative decision models, and the development of effective computational optimization algorithms for problem solving.

Guest Editors

Dr. Rahman Ali

Dr. Asad Masood Khattak

Dr. Farkhund Iqbal

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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