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

Guest Editors:

Dr. Rahman Ali
Quaid-e-Azam College of Commerce, University of Peshawar, Peshawar 25120, Pakistan

Dr. Asad Masood Khattak
College of Technological Innovation, Zayed University, Abu Dhabi, United Arab Emirates

Dr. Farkhund Iqbal
College of Technological Innovation, Zayed University, Abu Dhabi, United Arab Emirates

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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.

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Special Issue

Editor-in-Chief

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

Message from the Editor-in-Chief

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