Recent Advances in Multi-Objective Algorithms and Optimization 2023–2024

Guest Editor:

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Deadline for manuscript submissions:
closed (31 March 2024)

Message from the Guest Editor

The aim of this Special Issue is to collect original manuscripts dealing with multi-objective algorithms and optimization in the broad sense. We encourage the submission of original papers presenting innovative applications and/or contributing to the theory in this area. Some possible topics of interest are:

- Evolutionary multi-objective optimization;
- Game-theoretic approaches to multi-objective optimization;
- Multi-level optimization;
- Meta-heuristic methods for multi-objective optimization;
- Hybrid approaches for multi-objective optimization;
- Uncertainty handling in multi-objective optimization;
- Parallelization techniques for multi-objective optimization.

We also encourage papers that investigate these topics in real-world applications, such as engineering design, production planning, healthcare, finance, and transportation, to name a few.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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