Special Issue

Multi-Objective Optimization in Computational Intelligence

Message from the Guest Editor

In many real-world applications, multiple optimization objectives are typically expected for decision making. Because the optimization objectives conflict, multiple optimal solutions are expected; these are called Pareto optimal solutions. Optimization algorithms are required to find a set of optimal solutions. In recent years, multiobjective optimization problems have attracted increasing attention. Due to the adoption of population evolution, evolutionary algorithms are naturally employed to obtain a set of solutions for solving multiobjecitve optimization problems. Evolutionary algorithms have become a popular and vital method via which to solve multiobjective optimization problems. However, as the complexity of problems rises, existing evolutionary multiobjective algorithms meet challenges in terms of diversity and convergence. New algorithms are therefore developed to solve these complex application problems. The scope of this Special Issue includes, but is not limited to, the following topics:

- Evolutionary algorithms;
- Swarm intelligence;
- Bio-inspired algorithms and their application;
- Machine learning assisted algorithms.

Guest Editor

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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