Special Issue

Evolutionary Algorithms and Large-Scale Real-World Applications

Message from the Guest Editors

In the last decade, computational intelligence and, specifically, evolutionary computing research have witnessed exponential growth in terms of the strong pressure to search for and reinvent new optimization techniques based on nature-inspired phenomena. The Special Issue targets novel work that addresses recent advances in the following topics: theoretical analysis of evolutionary algorithms; evolutionary computation theory; evolutionary deep learning; hybrid evolutionary approaches; neuro-evolutionary systems; target-driven visual navigation; evolutionary algorithms for self-driving cars; parallel evolutionary algorithms; GPU implementation of evolutionary algorithms; target-driven visual navigation; evolutionary learning algorithms; neural architecture search; extreme learning machines; and few-shot learning, etc. We aim to promote discussions around recent efforts and advances in large-scale real-world applications of evolutionary algorithms to tackle challenging practical optimization problems. We encourage explorations of theory, applied research on the advancement of evolutionary algorithms, surveys, and comprehensive literature reviews.

Guest Editors

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Deadline for manuscript submissions

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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

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