Metaheuristic Algorithms in Engineering Optimization Problems

Guest Editors:

Dr. Daniel Gutiérrez Reina
Electronic Engineering
Department, University of Seville,
41004 Sevilla, Spain

Dr. Vishal Sharma
Information Security Engineering
Department, Soonchunhyang
University, Chungcheongnam-do,
Asan-si, Sinchang-myeon,
Suncheonhyang-ro, Korea

Dr. Kathiravan Srinivasan
School of Information
Technology and Engineering,
Vellore Institute of Technology,
Vellore, Tamil Nadu, India

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Message from the Guest Editors

This Special Issue pursues both novel metaheuristic algorithms and the application of existing metaheuristic approaches in engineering problems. Since abundant liteturate can be found in some engineering areas, both surveys and literature reviews are welcome.

The possible topics of interest include but are not limited to the following areas:

- Genetic Algorithm (GA) for engineering optimization problems;
- Swarm Optimization Algorithms (PSO, Firefly, Ant Colony, etc.) for engineering optimization problems;
- Bio-inspired optimization algorithms for engineering optimization problems;
- Genetic programing for engineering optimization problems;
- Evolutionary strategies for engineering optimization problems;
- Multiobjective optimization for engineering optimization problems;
- Evolutionary algorithms based on subrogate models for engineering optimization problems;
- Hybrid metaheuristic algorithms for engineering optimization problems;
- Parallel metaheuristic algorithms for engineering optimization problems.

Special Issue

Editor-in-Chief

Prof. Dr. Frank Werner
Faculty of Mathematics, Otto-von-Guericke-University, P.O. Box 4120, D-39016 Magdeburg, Germany

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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