



Ensemble Evolutionary Algorithms and Machine Learning for Solving Complex Optimization and Scheduling Problems

Guest Editors:

Dr. Kaizhou Gao

Department of Engineering Science, Macau Institute of Systems Engineering, Macau University of Science and Technology, Macau, China

Prof. Dr. Naiqi Wu

Institute of Systems Engineering and Collaborative Laboratory for Intelligent Science and Systems, Macau University of Science and Technology, Macao 999078, China

Prof. Dr. Yaping Fu

Department of Management Science and Engineering, Qingdao University, Qingdao, China

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Message from the Guest Editors

This Special Issue deals with modeling, optimizing and scheduling challenges of engineering problems by integrating swarm/evolutionary algorithms and machine learning, specifically aiming at their most recent developments and applications for various complex scheduling and optimization problems. Potential topics include (but are not limited to) the following:

- Multi-objective, multi-task, and multi-constraint optimization
- Large-scale global optimization
- Ensemble swarm and evolutionary algorithms with machine learning algorithms
- Learning-based meta-heuristics

Swarm and evolutionary algorithms for:

- Production scheduling problems
- Energy-efficiency scheduling problems
- Traffic signal control, optimization, and scheduling
- Vehicle routing problems
- Task assignment and routing planning
- Project scheduling
- Grid/cloud scheduling
- Scheduling and optimization in smart city, smart building and home, and sustainability systems
- New real-world and innovative applications of ensemble with machine learning algorithms



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Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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Mathematics Editorial Office
MDPI, Grosspeteranlage 5
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