Special Session Call for Papers:

Metaheuristic Optimization

Chairs:

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Abstract:

Metaheuristics can be viewed as strategies that navigate the search for near-optimal solutions in empirical optimization. They are designed to efficiently explore the search space under limited computational resources. Metaheuristic algorithms use stochastics components and are typically not problem-specific. Examples include simulated annealing, genetic algorithms, differential evolution, ant colony optimization, bee algorithms, particle swarm optimization, tabu search, harmony search and many others. The field is fast growing, with notable success in solving real-world problems, but with the lack of theoretical insight and often insufficient elaboration of empirical results.

This special session addresses theoretical and empirical studies of metaheuristic optimization algorithms. Papers dealing with their utilization in operations research are particularly welcome. We look for high-quality research papers that represent novel contributions to the field. Prospective authors are invited to submit original papers prepared according to the SOR'17 instructions for authors, addressing the topics including, but not limited to:

- Theoretical analysis and algorithm models
- Hybrid / parallel / distributed metaheuristics
- Multi- and many-objective optimization
- Simulation-based and surrogate-based optimization
- Comparative studies
- Real-world applications

Note: When submitting the paper, please, select:

"Special Session: Metaheuristic Optimization".