Special Issue

Simulation Modeling and Optimization Algorithms in Construction

Message from the Guest Editor

We invite you to submit your latest research in the area of the development of optimization algorithms to this Special Issue, "Simulation Modeling and Optimization Algorithms in Construction". We are looking for new and innovative algorithms for solving problems in engineering and construction. High-quality papers are sought that address both theoretical and practical issues in improvement in engineering and construction practices using simulation modeling algorithms and artificial intelligence algorithms. Submissions are welcome on both fundamental and theoretical research, as well as professional applications. Potential topics include, but are not limited to, multiagent systems, artificial neural networks, Monte Carlo simulation, qualitative and quantitative modeling, multicriteria decision making, as well as a broad spectrum of professional applications in engineering and construction, such as risk, energy, safety, productivity, and performance.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2024)

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About the Journal

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.

Editor-in-Chief

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