Special Issue

Performance Optimization and Performance Evaluation

Message from the Guest Editors

I am in charge of this Special Issue of *Algorithms* on the topic of "Performance Optimization and Performance Evaluation". This Special Issue invites original, high-quality work presenting novel research on performance optimizations. Featured articles should present novel strategies that address issues in different aspects of performance such as evaluation, algorithm, programming models, AI, co-design, and benchmarks. It is my pleasure to invite you to submit your work to this Special Issue.

- performance optimization
- performance evaluation
- parallel algorithms
- parallel programming models
- HPC applications
- HPC in AI
- big data
- hardware/software co-design
- performance and energy efficiency/benchmarks
- performance tuning

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Deadline for manuscript submissions

closed (31 October 2022)

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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.

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