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Graph Partitioning: Theory, Engineering, and Applications

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Deadline for manuscript submissions:
closed (30 June 2019)

Message from the Guest Editors

Dear Colleagues,

We invite you to submit your latest research in the area of graph partitioning to this Special Issue, Graph Partitioning: Theory, Engineering, and Applications. All facets of graph partitioning will be considered, including shared-memory parallel and distributed algorithms, streaming algorithms, exact algorithms, approximation algorithms, local search, genetic algorithms, metaheuristics, hardness results, parameterized algorithms, variations in objective functions, and alternate partitioning primitives (such as edge partitioning) or process mapping algorithms. High-quality papers are solicited to address both the theoretical and practical issues of graph partitioning. Submissions on graph partitioning's impact on existing applications, and the introduction of new applications with experiments are highly encouraged.

Dr. Christian Schulz
Dr. Darren Strash
Guest Editors

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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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