Optimization Techniques, Algorithms, Applications for Cloud and Edge/Fog Computing Environments

Guest Editors:

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Deadline for manuscript submissions:
closed (15 March 2024)

Message from the Guest Editors

Dear Colleagues,

We invite you to submit your latest research in the area of the development of optimization algorithms and their applications to this Special Issue, "Optimization Techniques, Algorithms, and Applications for Cloud and Edge/Fog Computing Environments". Edge–cloud–fog systems are very complex, and the use of different approaches in their design, development, and operational processes is inevitable. We are looking for new and innovative approaches for solving optimization problems arising in cloud, edge, and fog computing. High-quality papers are solicited to address both theoretical and practical issues of optimization algorithms. Submissions are welcome both for traditional optimization techniques and new applications for cloud, edge, and fog computing. Potential topics include but are not limited to single-criterion and multicriteria optimization problems, as well as problems arising in emerging applications, such as healthcare, smart manufacturing, smart agriculture, logistic, transport, web services, energy management, and smart home and city.

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Special Issue

Editor-in-Chief

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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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