Parallel Computing and Applications

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Message from the Guest Editors

Dear Colleagues,

Currently, parallel computing technologies and high-performance computing are ubiquitous and play a crucial role in data processing. When adapting existing and developing novel data processing methods, researchers and practitioners are faced with issues related to increasing levels of parallelism in computing architectures, software, and algorithms.

This Special Issue aims to publish high-quality, cutting-edge research articles on solutions to challenges in parallel computing and its applications in various domains. The scope of the Special Issue includes (but is not limited to) the parallel and distributed computing technologies on multiprocessor and multicore architectures; application of parallel methods and algorithms in computational mathematics, gas hydrodynamics, and mechanics; parallel algorithms in data mining; parallel methods in machine learning and neural networks, and parallel and distributed database systems.

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Special Issue

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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