Parallel and Distributed Cloud, Edge and Fog Computing: Latest Advances and Prospects

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Message from the Guest Editors

This Special Issue is soliciting conceptual, theoretical, and experimental contributions to a set of currently unresolved challenges in the area of parallel and distributed cloud, edge and fog computing. The topics of interest include, but are not limited to:

- Distributed resource allocation and scheduling in cloud, edge and fog computing;
- Optimization algorithms for distributed and parallel computing at network infrastructures;
- Network routing for distributed and parallel computing;
- Management and orchestration of distributed computational resources;
- Middleware and libraries for parallel and distributed computing at the cloud, edge and fog layer;
- Development of architectures for parallel and distributed computing;
- Scalability issues in parallel and distributed cloud computing;
- Applications of parallel and distributed computing in next-generation networking infrastructures;
- Security issues during network-enabled parallel and distributed computing;
- Data-resilient, fault-tolerant techniques for intra-infrastructure communication in distributed computing;
- Advanced algorithms for parallelization and distribution of network applications (AI, control theory, etc.).

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Special Issue

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Message from the Editor-in-Chief

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