

Special Issue

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

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.).

Guest Editors

Dr. Marios Avgeris

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Deadline for manuscript submissions

closed (31 December 2024)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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