Special Issue

Management and Optimization of Fog Architectures

Message from the Guest Editors

The main aim of this Special Issue is to seek high-quality submissions that highlight novel solutions to address recent challenges in the optimization and management of fog computing. The topics of interest include, but are not limited to:

- Optimization of workflow scheduling, resource allocation, service migration, etc.
- Hybrid solutions for the optimization of fog computing
- Parallel versions of optimization algorithms for fog computing optimization
- Service orchestration techniques for auto-scaling and/or load balancing
- Service selection and provisioning for fog computing optimization
- Performance optimization of fog architectures
- Optimization of data management techniques in fog architectures
- Service design for orchestration proposes: meta information, or architectures
- Monitoring solutions for orchestrating techniques
- Simulation tools for optimization of fog computing solutions
- Billing models based on placement and other third criteria
- Optimization of DevOps tools on the fog
- Container-based optimization
- Optimization of non-functional aspects of fog computing

Guest Editors

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Dr. Isaac Lera

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Deadline for manuscript submissions

closed (31 December 2021)



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

