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

Dr. Carlos Guerrero

Dr. Isaac Lera

Prof. Dr. Carlos Juiz

Deadline for manuscript submissions

closed (31 December 2021)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/83398

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/journal/electronics

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

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

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).

MDPI