



Microservices: Design, Programming, and Operations

Guest Editors:

Dr. Stefano Forti

Dr. Valentina Lenarduzzi

Dr. Tomas Cerny

Dr. Jacopo Soldani

Prof. Dr. Antonio Brogi

Deadline for manuscript
submissions:

closed (30 September 2024)

Message from the Guest Editors

Dear Colleagues,

Microservices are being increasingly adopted in enterprise IT, as many large companies have embraced these architectures to deliver software services to their users. Microservices constitute an alternative to traditional software architectures and offer several advantages, such as enhanced adaptability, scalability, and resilience to failures. Furthermore, microservices facilitate expedited and more streamlined development processes, while promoting cross-collaboration among DevOps teams. As the technological landscape evolves and grows more intricate, the significance of microservices in constructing scalable and efficient applications is evident.

This Special Issue precisely aims at collecting original contributions on topics related to the design (e.g., software engineering, best practices and patterns, formal analyses/models), programming (e.g., languages, testing, DevOps techniques), and operations (e.g., management/orchestration, security, AIOps) of microservice-based applications, and on their future development and impact. Other topics of interests can be found in the call for papers available at: <https://www.conf-micro.services/2023/>





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)