

Special Issue

Heterogeneous and Parallel Computing for Cyber Physical Systems

Message from the Guest Editors

Over the years, researchers have made breakthrough developments in the fields of science and engineering. One such development is cyber-physical systems, which are nothing but an extension of the Internet of Things (IoT). They blend both physical and computational capabilities such as control, computation, and communication for designing and developing hybrid electric vehicles, biomedical systems, space vehicles, autonomous cars, prostheses, etc.

The cyber-physical system acts as a platform amalgamating information systems and networked services in a virtual environment. This system also collects a huge amount of data to solve problems while building well organized social networking systems. However, the merging of various subsystems increases the functional and operational time. It also increases the complexity and cost due to the usage of advanced devices such as multicore processors, sensors, actuators, and wireless communication devices. This Special Issue offers a platform for researchers and practitioners to develop new conceptual models for cyber-physical systems based on heterogeneous and cloud computing.

Guest Editors

Dr. Achyut Shankar

Department of Cyber Security, University of Warwick, Coventry CV4 7AL, UK

Dr. Zahid Akhtar

Department of Network and Computer Security, State University of New York Polytechnic Institute, C135, Kunsela Hall, Utica, NY 13502, USA

Deadline for manuscript submissions

closed (15 August 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 7.0



mdpi.com/si/156087

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

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 7.0



[mdpi.com/journal/
electronics](https://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 guestedited 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 (Signal Processing)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).