

Special Issue

Design, Modelling, Simulation and Optimization of Future Network Systems and Infrastructures

Message from the Guest Editors

This Special Issue on the “Design, Modelling, Simulation and Optimization of Future Network Systems and Infrastructures” aims to explore cutting-edge research, innovative solutions, and advancements in the development and enhancement of future networks, addressing corresponding complexities and challenges. This issue seeks contributions that address innovative design principles, sophisticated modeling techniques, and comprehensive simulation methodologies to optimize the performance, scalability, and security of future network systems and infrastructures. This issue is dedicated to showcasing state-of-the-art advancements and methodologies that enhance the design, performance, and reliability of future network systems and infrastructures. Key topics include (but are not limited to) the following:

- Innovative Network Architectures
- Advanced Modelling Techniques
- Comprehensive Simulation Methodologies
- Optimization Strategies
- Integration with Emerging Technologies
- Security and Privacy
- Practical Applications and Case Studies

Guest Editors

Prof. Dr. Ivan Ganchev

1. Department of Computer Systems, University of Plovdiv “Paisii Hilendarski”, 4000 Plovdiv, Bulgaria
2. Institute of Mathematics and Informatics—Bulgarian Academy of Sciences, 1040 Sofia, Bulgaria

Dr. Máirtín O'Droma

Telecommunications Research Centre (TRC), University of Limerick, V94 T9PX Limerick, Ireland

Deadline for manuscript submissions

closed (15 January 2025)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/207096

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 2.6
CiteScore 6.1



[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 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).