

Special Issue

Next Generation Internet of Things: Architectures, Requirements & Applications

Message from the Guest Editors

This Special Issue will cover a wide range of research challenges and trends related to NG-IoT architectures, requirements and applications. Researchers are invited to submit novel contributions in, but not limited to, the following topics:

- NG-IoT reference architectural models;
- NG-IoT testbeds, paradigms, and applications;
- Fifth generation (5G) technologies and NG-IoT;
- Software-defined networking (SDN) developments and applications in NG-IoT;
- Network function virtualisation (NFV) orchestration in NG-IoT;
- Artificial intelligence (AI) on the edge;
- Digital twins and tactile IoT;
- NG-IoT privacy and security frameworks;
- Traffic engineering, quality-of-service (QoS), and quality-of-experience (QoE) optimisation in NG-IoT;
- Blockchain applications for NG-IoT;
- Energy-efficiency applications in NG-IoT;
- NG-IoT applications in healthcare and medicine applications;
- NG-IoT applications in industrial applications;
- NG-IoT applications for precision agriculture, food safety and quality.

Guest Editors

Dr. Panagiotis Sarigiannidis

Dr. Thomas Lagkas

Prof. Dr. Vasileios Argyriou

Prof. Dr. Antonio Skarmeta

Deadline for manuscript submissions

closed (20 February 2024)



Digital

an Open Access Journal
by MDPI

CiteScore 4.8



mdpi.com/si/82765

Digital

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

digital@mdpi.com

mdpi.com/journal/

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





Digital

an Open Access Journal
by MDPI

CiteScore 4.8



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Yannis Manolopoulos

Department of Computer Science, School of Sciences and Engineering,
University of Nicosia, 2427 Nicosia, Cyprus

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, Ei Compendex, EBSCO, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 33.9 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).