# **Special Issue**

# Towards Next Generation beyond 5G (B5G) Networks

## Message from the Guest Editor

After the success of the first focused and standalone 5G trials, the beyond 5G (B5G) paradigm is becoming the mainstream of academic and industry-driven research in next-generation networks. Future B5G networks must be able to operate with massive small-cell deployments and end-to-end connectivity in support of heterogeneous use cases with very different requirements in terms of bandwidth, latency and reliability. Cost-effective B5G networks will be achieved by integrating innovative small cells (e.g., LiFi) with other existing 5G technologies, and with different backhaul transport network solutions providing adaptive capacity on demand. Thus, transport network solutions at both the optical and packet layer should be based on key enablers such as pluggability and programmability. In addition, the control and orchestration of such complex network environments will demand solutions exploring zero-touch and intent-based networking paradigms.

- e2e connectivity
- Innovative small cells
- Optical-wireless integration
- Open programmable networks
- Zero-touch network control
- Intent-based networking
- Al-empowered network operation

## **Guest Editor**

Dr. Marc Ruiz

CCABA - Advanced Broadband Communications Center, Universitat Politècnica de Catalunya, 08034 Barcelona, Spain

### Deadline for manuscript submissions

closed (20 June 2023)



# **Sensors**

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



mdpi.com/si/103186

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

mdpi.com/journal/ sensors





# **Sensors**

an Open Access Journal by MDPI

Impact Factor 3.5 CiteScore 8.2 Indexed in PubMed



# **About the Journal**

## Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

#### Editor-in-Chief

#### Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

## **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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

