

Special Issue

5G Wireless Communication Systems and IoT Based on Artificial Intelligence

Message from the Guest Editor

Over the past decade, the Internet of Things (IoT) has grown rapidly both in terms of the technology and its marketability in home automation, healthcare and smart factories. This Special Issue (SI) aims to bring together researchers, industry practitioners and individuals working in the wireless communication and IoT fields to share their new ideas, latest findings and state-of-the-art results about the advancement of IoT communication and devices. Prospective authors are invited to submit articles on topics including, but not limited to, the following:

- New opportunities/challenges/use cases for mMTC in 5G and beyond;
- Orthogonal and non-orthogonal multiple access schemes;
- Cellular IoT networks;
- Low-power, wide-area communication;
- Time-Sensitive Networking (TSN) and Deterministic Networking (DetNet) for the industrial IoT;
- Energy efficiency in UAV communications;
- Artificial Intelligence for vehicular communications;
- Deep learning for mMTC;
- Mobile edge computing for massive IoT;
- Network slice with SDN/NFV for massive IoT;
- Blockchain framework for IoT platform;
- Wireless security protocols for IoT.

Guest Editor

Dr. Wooseong Kim

Computer Engineering Department, Gachon University, Seongnam 461-701, Republic of Korea

Deadline for manuscript submissions

closed (10 November 2023)



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

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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

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