







an Open Access Journal by MDPI

# **Antenna Systems for 5G Communication Systems**

Guest Editors:

#### Prof. Dr. Daniel N. Aloi

Electrical and Computer Engineering Department, Oakland University, Rochester, MI 48309, USA

### Prof. Dr. Amanpreet Kaur

Electrical and Computer Engineering Department, Oakland University, Rochester, MI 48309-4478, USA

Deadline for manuscript submissions:

closed (30 November 2023)

## **Message from the Guest Editors**

Fifth-generation wireless technology was designed to deliver higher multi-Gbps peak data speeds, ultra-low latency, increased reliability, massive network capacity, increased availability, and a more uniform user experience to more users. This technology will advance autonomous driving, the Internet of Things, personal communications, IT, augmented reality, and the way our businesses work in terms of accessing, storing, sharing, and protecting data. Fifth-generation technology covers a wide frequency spectrum. Advanced or smart antenna systems will be required to take advantage of this technology.

Fifth-generation technology will use 'massive' MIMO (multiple input, multiple output) and beamforming antennas that have very large numbers of antenna elements or connections to send and receive more data simultaneously. The benefit to users is that more people can simultaneously connect to the network and maintain high throughput.

This Special Issue therefore aims to put together original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of 5G antenna systems.













an Open Access Journal by MDPI

### **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

## **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.

### **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 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

### **Contact Us**