



## Antenna Systems for 5G Communication Systems

Guest Editors:

**Prof. Dr. Daniel N. Aloï**

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

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### 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.





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## Editor-in-Chief

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

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 Bari, Italy

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*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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