# **Special Issue**

## Recent Advances in Antenna Design for 5G Heterogeneous Networks

## Message from the Guest Editors

5G will support significantly faster mobile broadband speeds, low latency and reliable communications, as well as enabling the full potential of the Internet of Things (IoT). This will open up the possibility for new services such as tactile communications, smart manufacturing and cities, in addition to enhanced broadband connectivity. Pivotal to 5G is the use of the millimeter wave band, which will support a network of small cells enabling hotspot zones of high capacity and area efficiency. The forthcoming 5G system will truly be a mobile multimedia communication platform that constitutes a converged networking arena that not only includes legacy heterogeneous mobile networks, but advanced radio interfaces and the possibility to operate at mm wave frequencies to capitalise on the large swathe of available bandwidth. This will set in place extensive design requirements that even build on the latest 5G roll-out in the sub 6GHz band.

### **Guest Editors**

Prof. Dr. Issa Tamer Elfergani

Prof. Dr. Raed A. Abd-Alhameed

Prof. Dr. Abubakar Sadiq Hussaini

**Deadline for manuscript submissions** closed (31 October 2021)



## Electronics

an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



mdpi.com/si/45846

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

mdpi.com/journal/ electronics





an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



electronics



## About the Journal

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## Editor-in-Chief

Prof. Dr. Flavio Canavero Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

## **Author Benefits**

### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).