

Special Issue

Wearable Antennas for 5G, IoT, and Medical Applications

Message from the Guest Editors

Due to progress of communication systems, it is now possible to develop low-cost wearable communication systems. Wearable antennas are antennas incorporated into clothing or worn close to the body. Wearable antennas are used for communication, IoT, 5G, and medical applications, which include tracking and navigation, mobile computing, and public health and safety. Examples include smartwatches (with integrated Bluetooth antennas), glasses (such as Google Glass with Wi-Fi and GPS antennas), GoPro action cameras (with Wi-Fi and Bluetooth antennas), and sensors to monitor patient health. Wearable antennas are increasingly common in consumer electronics and for healthcare and medical applications. However, the development of compact, efficient wearable antennas is one of the major challenges in the development of wearable communication and medical systems. Technologies such as printed compact antennas, metamaterial antennas, fractal antennas, and miniaturization techniques have been developed to create efficient small wearable antennas, and they are the main topic of this Special Issue. Keywords: 5G
IoT
medical applications
wearable communication systems

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Deadline for manuscript submissions

closed (1 April 2022)



Electronics

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Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/92713

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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.

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