Special Issue

Latest Trend in Microwave Filters and Antennas for B5G Wireless Networks

Message from the Guest Editors

5G is enjoying an unprecedented development, with the user base set to grow to 500 million by 2023. 3G and 4G took nine and six years to achieve the same growth rate, respectively. The year 2019 has been the first year of 5G-scaled commercial adoption, with more than 60 5G commercial networks projected to be globally deployed. Recently, 19 telecom carriers in 11 countries announced the launch of 5G services. Scaled commercial rollouts have already kicked off in the UK, the US, Japan, South Korea, and China. Global 5G spectrum auctioning also signifies rapid development. By 2021, more than 35 countries auctioned the 5G spectrum, with C Band in 22 countries, mmWave in 8, the 2.6 GHz band in 5, and the 700 MHz band in 4. If it had not been for COVID-19, the prediction that 5G spectrum would be auctioned in over 100 countries should already have been completed by the end of 2022. This Special Issues of *Sensors* is specifically focused on recent trends and applications aimed to provide the readers with the information of recent developments and new design and techniques for the development of reconfigurable/switchable/tunable, and last but not the least, standalone microwave filters.

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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.

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