

Special Issue

Microwave/MM-Wave Components for Communications and Sensors

Message from the Guest Editors

This Special Issue focuses on emerging technologies using microwave and mm-wave components for communications and sensors. In the midst of the fourth industrial revolution, advanced technologies like 5G/6G communications, the Internet of Things (IoT), and artificial intelligence, based on cloud computing and high-performance computing, have revolutionized information technology. This revolution necessitates a huge volume of digital data transmission on a fast time scale. Modern digital circuits often reach data rates in the tens of Gbps, and a high-speed digital signal, composed of the fundamental frequency and its harmonics, tends to occupy a very wide bandwidth, extending up to mm-wave frequencies. Microwave and mm-wave components are also used for various sensor and diagnostic applications. Therefore, this Special Issue will cover various emerging research topics on microwave and mm-wave technologies for communications and sensors.

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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.

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