Special Issue

Antenna Technologies for Microwave and Millimeter-Wave Sensing

Message from the Guest Editor

As a key part of wireless communication systems, antenna performance can affect the connectivity of wireless communication. Therefore, novel approaches are needed to design more advanced antennas to adapt to the changing standards of wireless communication systems. In order to meet the demands of increased data rates with low latency as well as wide coverage, 5G communication systems use both microwave and millimeter-wave bands. Although some microwave and millimeter-wave antenna design techniques, such as antenna miniaturization, array optimization, and bandwidth enhancement, have been extensively studied in the past, due to the size and geometry of the antenna, this research is more limited in small devices. New microwave and millimeter-wave antenna technologies need to be sought to meet the standards of future 5G and 6G communication systems. This Special Issue will focus on the advanced research of antenna design for microwave and millimeter-wave sensing applications.

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