Special Issue

Advanced Antenna Measurement Techniques for Radar, IoT and 5G Applications

Message from the Guest Editor

Modern communication and radar systems pose new challenges to the research and industrial antenna testing community. On one hand, the development of very large-bandwidth, highly agile multi-beam radar antennas as well as low-observable targets represents a formidable challenge for antenna and RCS community. On the other hand, sophisticated radiating systems such as active array antennas, and massive MIMO arrays, will play a relevant role in the short coming 5G communication systems. Due to the high levels of electronic device integration required in 5G antennas, no physical connectors are generally available. This yields a radically new connectorless measurement paradigm in which over-the-air (OTA) measurements will play a relevant role. Furthermore, the mass production of these new antennas requires new fast and reliable antenna testing methods, as well as methods to test the OTA sites. The scope of this Special Issue is to collect contributions on the **state of art of measurement techniques for RCS, radar, and telecommunication antennas, including techniques to evaluate indoor and OTA test sites for radar, IoT, and 5G antennas.**

Guest Editor

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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.

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