Special Issue

Antenna Measurement Techniques and Sensor Systems

Message from the Guest Editor

New communication systems as 5G, Internet of Things, automotive systems require the development of novel antennas and sensors at higher frequencies and much more integrated in the RF system. There is a clear need of research in RF new measurement techniques, including electromagnetic data acquisition systems, near to far field transformation, electromagnetic source reconstruction, phase recovery, reduction of undesired effect, extrapolation of field, among others. OTA (over the air) systems are becoming necessary in the measurement of more complex systems including sensor networks, automotive, 5G or EMC. This special issue invites novel research contributions in the previous areas. The topics covered by the issue includes (but is not limited to):

- New Acquisition techniques.
- Measurement using drones / UAV.
- OTA measurements
- Automotive Measurements.
- 5G measurements
- EMC measurements
- RADAR antennas measurements.
- New near field transformation techniques.
- Post processing techniques in antenna measurements
- Source reconstruction techniques
- Extrapolation of radiation pattern
- Phaseless measurements

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2021)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

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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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