Special Issue

Microwave Sensors and Antenna Topology

Message from the Guest Editor

Microwave antennas with fully adaptive properties are essential for significantly enhancing the performance of monitoring systems and are widely utilized in various fields, including environmental and structural engineering monitoring, precision agriculture, pollution monitoring, and other practical and fascinating applications. The primary objective of this Special Issue is to provide an overview of ongoing research on microwave antennas and sensors, highlight the latest advancements and innovations in the field, and identify new challenges and opportunities for applications.

- microwave sensors
- switched beam antenna
- sum/difference arrays
- reconfigurable antennas
- reconfigurable antennas based on parasitic elements
- MEMS-reconfigurable antennas
- multibeam antennas
- multifrequency antennas
- antenna control algorithms
- long-range RFID
- chipless RFID
- chipless sensors
- modulated scattering technique (MST) sensors
- radar sensors

Guest Editor

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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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