Special Issue

Microwave Sensing Systems

Message from the Guest Editors

The use of microwave sensing systems has received growing interest in recent years. Identifying/localizing UHF RFID tags, measurement of physical properties, or radar imaging are just some examples of their current applications. Microwave systems are insensitive to dust, allow non-line-of-sight applications, and often allow for easier and less expensive integration. Steadily increasing frequencies, more powerful signal processors, and higher integration densities have recently opened up new possibilities in scientific, production, logistics, and medical applications. This Special Issue aims to present original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of microwave sensing. Potential topics include but are not limited to:

- Microwave based positioning/localization and imaging techniques
- RFID-based sensors;
- Microwave material characterization;
- Antennas for microwave sensing;
- Ultra-wideband (UWB) sensing;
- Radar systems;
- Microwave sensing circuits;
- Sensor fusion in microwave sensing applications;
- Joint sensing and communications.

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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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