Special Issue

Advanced Microwave Sensing and Imaging in Real-Time for High-Resolution Industrial Applications

Message from the Guest Editor

The development of advanced microwave sensing and imaging has transformed industrial applications by enabling real-time, high-resolution capabilities. This cutting-edge technology combines the capability of microwave detection with real-time processing, creating a dynamic tool for businesses. Unlike conventional approaches, this innovative solution enables rapid data capture and analysis, allowing enterprises to make educated decisions promptly. We invite authors with both industrial and scientific backgrounds, working in any area of microwave sensing and applications, to submit their original manuscripts for consideration to this Special Issue. Specific areas of interest include, but are not limited to, the following:

- Antenna sensors;
- MIMO systems;
- Non-destructive testing (NDT);
- Metasurface;
- Dielectric characterization;
- Microwave measurements and system design;
- Microwave sources and detectors;
- Imaging in real time;
- Metamaterial and complementary metamaterial;
- Industrial applications;
- Rapid prototyping;
- Resonant and non-resonant approaches.

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.

Editor-in-Chief

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