

Special Issue

Terahertz Imaging Sensors and Detectors

Message from the Guest Editors

Progress in sensing and imaging in the terahertz frequency range (0.1–10 THz) has been disruptive in the recent years, with the development of multiple technological solutions for high-performance detectors and focal plane arrays. This special issue covers all recent advances in the detection of terahertz radiation, with a special focus on the use of these detectors for image sensing. Topics include theoretical analysis, modeling of detectors, new sensing techniques, terahertz imagers, camera systems, measurement and experimental setups. Peculiar configurations such as near field THz imaging, SNOM, THz optical coherence tomography, light field imaging, quantum schemes, etc. are of great interest. Review papers providing an overview of the current state-of-the-art of terahertz imaging sensors and detectors are also welcome.

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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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