Special Issue

Recent Advances in Terahertz, Mid-Infrared, and Near-Infrared Sensing

Message from the Guest Editors

Recently, the development of laser sources and detection technologies at the terahertz, mid-, and near-infrared have greatly promoted sensing applications in these frequency bands. Novel light sources (represented by quantum cascade lasers and interband cascade lasers) and detection technology (such as laser feedback interferometry technology) have rapidly expanded the sensing applications in these fields. Some of the promising applications include biomedical sensing and imaging, trace gas spectrometry, industry monitoring, and security screening. This Special Issue encompasses a broad range of recent advances in terahertz, mid-, and near-infrared sensing technologies, including state-of-the-art technologies in sensing devices and systems. Both reviews and original research articles are very welcome. We look forward to your active participation in this Special Issue.

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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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