

Special Issue

Low Cost Mid-Infrared Sensor Technologies

Message from the Guest Editors

Low cost optical sensing technology has mainly been limited to visible and near infrared (IR) wavelengths; however, there is increased demand for low cost optical sensing technology for longer mid-IR wavelengths (2.5–25 μm), for applications including air quality monitoring, thermal imaging, spectroscopy, chemical and bio sensing. Recent advances in the field of low cost mid-IR sensing technology have included the development of microbolometer based thermal imaging cameras, plasmonic emitters and detectors, LEDs, hollow waveguides, pyroelectric and thermopile detectors. These advances have made it possible to develop compact and inexpensive systems for mid-IR sensing applications. This Special Issue aims to bring together work from researchers active in the development of innovative mid-IR sensor technology, with a focus on low cost optical components and systems which could be used in the future generation of smart sensors for consumer products. For more information, please visit: mdpi.com/si/38551

Guest Editors

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Deadline for manuscript submissions

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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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