

Special Issue

Sensing Technologies and Applications in Infrared and Visible Imaging

Message from the Guest Editors

The recent advances in multispectral imaging technologies will facilitate the development of better-performing optical sensing, processing, and analysis applications. For instance, visible images can provide abundant texture details with high spatial resolutions which are consistent with human visual perception. In contrast, thermal/infrared sensors may provide valuable radiation information of targets with high contrast to surroundings under different lighting conditions. Therefore, it is desirable to develop multisensor hardware designs, on and off chip digital image processing methods, and multispectral feature fusion schemes to fully utilize thermal radiation information in infrared images and detailed texture information in visible images. This SI will highlight the advances in infrared and visible sensing technologies. The included articles will emphasize the fusion of complementary visible and thermal data, theoretical to experimental demonstration, and applications of the latest advances in multispectral imaging research, and innovative sensing and imaging applications in medical diagnosis, security surveillance, autonomous driving, and industrial inspection.

Guest Editors

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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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