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## Infrared Imaging and Sensing Technology

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### Message from the Guest Editors

Infrared imaging and sensing technology has been commonly utilized in a variety of applications, such as surveillance, manufacturing, medical imaging, and the military. However, there are still many challenges in this field, especially in the preprocessing of infrared images and specific algorithms for further applications.

This Special Issue of *Sensors* is devoted to discussing and reporting on novel progress in infrared imaging and sensing technology, especially related to improving infrared image quality and meeting the requirements of various applications. Paper proposals describing the enhancement, fusion, super resolution, nonuniform correction, etc. of infrared images are welcome. New procedures, algorithms, and solutions for detection, recognition, and medical diagnosis using infrared images are also encouraged.

### Keywords

- infrared imaging
- infrared sensing
- infrared image enhancement
- nonuniform correction
- infrared image fusion
- infrared image super resolution
- infrared imaging application (include but not limited to detection, recognition, medical diagnosis)



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# Special Issue



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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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