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Advances in Infrared Imaging: Sensing, Exploitation and Applications

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Deadline for manuscript submissions:

closed (20 June 2018)

Message from the Guest Editors

This Special Issue is intended to review the state-of-the-art on infrared imaging, from image acquisition to the processing, and understanding of all the infrared spectra. The following infrared imaging topics will be covered, but this Special Issue is not limited to only these topics:

- Imaging systems (NIR/SWIR/MWIR/LWIR)
- Processing (filtering, coloring, feature extraction and matching)
- Representation (fusion, thermal mapping)
- Understanding (machine learning, pattern recognition)
- Deep/Transfer learning, Domain adaptation
- Vision-aided navigation
- Sensing for agriculture and food safety
- Autonomous driving
- Thermal image applications
- Remote sensing

This Special Issue will receive extended version of papers on infrared imaging published at the workshop on “Perception Beyond the Visual Spectrum” (workshop series in conjunction with CVPR conference) <http://vcip-okstate.org/pbvs/17/index.html>



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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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