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Multispectral and Hyperspectral Instrumentation

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Deadline for manuscript
submissions:

closed (30 November 2017)

Message from the Guest Editor

Dear Colleagues,

These Special Issues concern multispectral and hyperspectral imaging. Both approaches measure the wavelength dependence of the light captured by a sensor, but the nature of the instrument, and sometimes the processing approach, are different. Such work has quantified the idea of using “color” to gather information regarding the environment around us. Now, multispectral and hyperspectral instruments orbit the Earth and other planets, are used in factories and medical facilities, and have both military and forensic uses.

As the field is so large, there will be two Special Issues—Part I: “Analysis of Multispectral and Hyperspectral Data” and Part II: “Multispectral and Hyperspectral Instrumentation”.

The Part II subjects include, but are not limited to, the methods and hardware associated with the instrumentation, calibration, instrument modeling, stray light modeling or correction, illumination approaches, and GPS/INS based geolocation. The Part II issue will also include papers that are hard to assign to one or the other issue because they cover aspects in both areas.

Dr. Jeffrey H. Bowles<



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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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