Special Issue

Optical Remote Sensor Design and Development

Message from the Guest Editors

Optical remote sensors use the sunlight reflected by the ground, from ultraviolet spectrum to infrared spectrum, to perform optical imaging of the Earth. There are many classifications of optical remote sensors, including imaging cameras, surveying cameras, spectrometers, thermal imagers, etc., which can provide rich remote sensing data. As a scientific instrument, the research and development of optical remote sensors is multidisciplinary work, involving a wide range of disciplines such as optics, mechanics, materials science, electronics, computer science, etc. This Special Issue aims to publish selected contributions on advances in the design and development of optical remote sensors. Potential topics include, but are not limited to:

- Optical remote sensor design;
- Optical system design;
- Technology for manufacturing and testing optical elements;
- Opto-mechanical structure;
- Optical remote sensor design simulation;
- Infrared photoelectricity technology;
- New imaging systems for optical remote sensor;
- Future development of optical remote sensors;
- Applications of optical remote sensors.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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