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.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

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indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

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JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).