Special Issue

Advanced Optical Measurement Spectroscopy and Imaging Technologies

Message from the Guest Editor

In the fields of environmental science, biology, medicine, and traditional industries such as manufacturing, processing, and aerospace exploration, optical detection technology remains a rapidly developing and promising method of fast detection—for example, microscopic techniques that reveal fine-scale structures, remote sensing technologies that target large and distant objects, imaging techniques based on spatial features, and spectroscopic methods that reflect chemical information. Advanced optical measurement, spectroscopy, and imaging technologies are at the forefront of modern interdisciplinary science and engineering, pushing the boundaries of precision detection, intelligent sensing, and information acquisition. This field spans nano-scale imaging to large-scale remote sensing and includes spatially resolved imaging systems and spectroscopic analysis based on molecular recognition. These technologies are applied in life sciences, environmental monitoring, materials research, aerospace exploration, and intelligent manufacturing. We are interested in manuscripts on recent research or reviews highlighting advancements in optical measurement and spectral imaging technology.

Guest Editor

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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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