Special Issue

Technologies and Applications of Optical Imaging

Message from the Guest Editors

Technologies and applications of optical imaging possess significant research value and development potential in modern science and industry. For instance, digital adaptive light field imaging technology has achieved breakthroughs in the observation of large-scale celestial bodies and neurons, with its multi-dimensional and multi-scale intelligent light field imaging theory revolutionizing the traditional imaging paradigm to achieve ultra-fine perception and fusion in the imaging process. In the medical field, technologies such as ultrasound luminescent molecular imaging and Optical Coherence Tomography (OCT) have significant application value, enabling high-intensity optical signal output, a high signal-to-noise ratio, and deep tissue penetration. This Special Issue aims at presenting an overview of cutting-edge research, its vision, results, and applications. We welcome broad, visionary contributions of short research reports, research articles, as well as collections of reviews of accomplishments. With this, we are excited to invite researchers to submit their contributions to this Special Issue.

Guest Editors

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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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