Special Issue

Advances in Structured Light

Message from the Guest Editor

Structured light with distinct spatial structures or spatiotemporal structures has become a research hotspot in the fields of optics and optoelectronics due to its unique physical properties and novel physical effects, as well as various promising potential applications. Typical examples of spatial structured light beams include vortex beams, non-diffracting beams, self-accelerating beams, vector light beams, partially coherent beams, tightly focused beams, and spatiotemporal light beams. Compared with conventional fundamental Gaussian laser beams, structured light beams exhibit a variety of novel physical effects and phenomena, such as phase singularity, diffraction-free propagation, transverse acceleration, high local intensity, angular momentum transfer, vector structure, autofocusing, and so on. These new properties have led to many potential applications in various fields of science and technology. This Special Issue aims to report recent advances in structured light, including the characterization, generation, manipulation, propagation, and application of structured light beams. Original research articles and reviews are welcome in this Special Issue.

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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