

Special Issue

Coherent and Polarization Optics

Message from the Guest Editors

Coherence and polarization are two of the intrinsic properties of a light field. Extensive research has shown that both of them play a crucial role in determining the light beam propagation and light-matter interaction. The manipulation of coherence and polarization has been recognized as an available method to produce many peculiar physical phenomena, which can be superior in some of these applications, such as free-space optical communications, microdensitometry, optical information processing, and plasmonics. This Special Issue aims to discuss the latest advances on coherent and polarization optics. Although recent interest in the manipulation of coherence and polarization has been increasing and many structured light beams with prescribed distribution of coherence or polarization have been synthesized, most of them have been limited to one-dimensional control. The combination of coherence and polarization may produce novel and beneficial effects. Therefore, this Special Issue encourages discussions on many novel physical features caused by the joint manipulation of optical coherence and polarization.

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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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