Special Issue

Polarization Optics: From Fundamentals to Applications

Message from the Guest Editors

Polarization provides more information for the target recognition from the background, as well as for increasing the detection range in underwater, fog and smoke environments. The use of polarization has become an efficient measure for researching target detection under the low-contrast medium. Therefore, studying the polarization optics, ranging from fundamentals to applications, is vital for practical detection. This Special Issue will present an overview of polarization optics research fundamentals and their applications. We request research papers on the theoretical aspects and practical applications of polarized optics in this Special Issue of *Photonics*, titled "Polarization Optics: From Fundamentals to Applications". This Special Issue will feature original research articles and reviews.

- polarization light propagation
- polarization detection
- polarization scattering
- target polarization characteristic
- polarization measurement

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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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