Special Issue

Polarization Optics

Message from the Guest Editors

Polarization detection has the advantages of high stability, strong anti-interference ability, and long detection distance. It has significant research potential in the fields of target identification, LIDAR, and military reconnaissance. Nowadays, with the development of polarization detection technology, it is possible to obtain the polarization state of the target and the detailed contour characteristics more effectively by using the polarization property of light, gradually replacing some old techniques. To promote this rapidly developing and significant technology area, this Special Issue aims to solicit contributions that provide effective solutions to future challenges in the field of polarization detection. The topics of this Special Issue include, but are not limited to, the following:

- Optical transmission characteristics testing;
- Multi-dimensional optical imaging;
- Space laser communication research;
- Target polarization characteristics testing;
- Space target polarization detection;
- Analysis of target surface polarization characteristics;
- Polarization imaging detection technology;
- Establishment of target surface polarization characteristics model.

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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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