Special Issue

Advanced Polarimetry and Polarimetric Imaging

Message from the Guest Editors

As a fundamental property of the light wave, polarization information can be used to reveal the light's and target's physical properties, such as the material, thickness, surface features, refractive index, etc. Therefore, improving the performance of polarimetry and polarimetric imagers and exploring related applications are still necessary to address existing challenges and expand the potential of polarimetric imaging. This Special Issue aims to provide a platform for researchers to share and discuss important discoveries, theoretical and experimental advances, technical breakthroughs, methodological innovations, application developments, viewpoints, and perspectives with the community of polarized light. All theoretical, numerical, and experimental papers are welcome. Topics include, but are not limited to, the following:

- Fundamentals of polarized light;
- Polarimetry/ellipsometry systems and methods;
- Polarimetric imaging systems and processing methods;
- Applications of polarimetry, ellipsometry, and polarimetric imaging;
- Polarization information meets artificial intelligence.

Guest Editors

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Dr. Fei Liu

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Deadline for manuscript submissions

closed (20 July 2023)

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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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