Special Issue

Advances in Spin-Orbit Coupling of Light

Message from the Guest Editors

This Special Issue aims to provide a focused platform for advancing the understanding of spin–orbit interactions of light, from fundamental principles to emerging applications. It will highlight both theoretical developments and experimental breakthroughs across diverse photonic systems, including structured beams, metasurfaces, topological optical fields, and nonlinear media. For this Special Issue, we welcome both original research articles and reviews. Research areas may include, but are not limited to, the following themes:
Spin–orbit interactions in structured beams;
Topological light and optical skyrmions;
Propagation, scattering, and applications in beams;
Polarization manipulation and vector beam engineering;
Optical geometric phases;
Goos–Hänchen and Imbert–Fedorov shifts;
Spin Hall effect of light;
Geometric spin Hall effect of light;
Spatiotemporal optical vortices;
Bound states in the continuum in photonic crystals;
Polarization singularity;
Optical trapping;
Tight focusing;
Novel applications in photonic devices and quantum information.

Guest Editors

Dr. Weiming Zhen

Institute of Microscale Optoelectronics, Shenzhen University, Shenzhen 518060, China

Dr. Guohua Liu

School of Optoelectronic Engineering, Guangdong Polytechnic Normal University, Guangzhou 510665, China

Deadline for manuscript submissions

31 July 2026

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Impact Factor 1.9
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mdpi.com/si/253809

Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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