Special Issue

Topological Photonics: New Trend and Applications

Message from the Guest Editors

Topological photonics emerged as a new paradigm for the development of both classical and quantum photonic architectures. Topological photonics holds promise for novel devices and applications, e.g., topological optical communications, topological quantum computation and topological lasers. The real-space topological photonic phenomena also emerge as an important platform in modern spin optics, imaging, metrology, optical forces, structured light, and quantum technologies. This Special Issue aims to highlight exciting advances in the field of topological photonics, including but not limited to the development of novel momentum/real-space topological photonics theories, the design and fabrication of advanced topological photonics structures, nano/microcavities, nano/microlasers and the latest advancements in the manipulation of light fields for various applications. We encourage submissions of research articles and review papers on recent progress and future prospects or challenges to promote discussion, collaboration, and a deeper understanding of the fundamental principles underlying topological photonics.

Guest Editors

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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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