

Special Issue

Photonic Crystals: Physics and Devices, 2nd Edition

Message from the Guest Editors

This Special Issue aims to present original state-of-the-art articles on physics and devices in photonic crystals and other classes of periodic nanostructures. Topics of interest include, but are not limited to, the following:

- Photonic band gaps in photonic crystals;
- Resonances in photonic crystals, metamaterials, metasurfaces, and subwavelength gratings;
- Bound states in the continuum in photonic crystals, metamaterials, metasurfaces, and subwavelength gratings;
- Topological properties in photonic crystals, metamaterials, metasurfaces, and subwavelength gratings;
- Strong coupling in photonic crystals, metamaterials, and metasurfaces;
- Goos-Hänchen shift and photonic spin Hall effect in photonic crystals;
- Polaritons in photonic crystals;
- Nonlinear and quantum effects in photonic crystals;
- Photonic crystals containing two-dimensional materials, superconducting materials, phase-change materials, or metamaterials;
- Novel optical phenomena in photonic crystals;
- Devices based on photonic crystals;
- Physics and devices in other classes of periodic nanostructures, such as metamaterials, metasurfaces, and subwavelength gratings.

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About the Journal

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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