

Special Issue

Silicon Photonics Bloom, Volume II

Message from the Guest Editors

Open access journal *Micromachines* invites the submission of manuscripts in the developing area of silicon photonics. This Special Issue will highlight recent developments in this cutting-edge technology. Areas of interest include, but are not limited to, the following sub-categories:

- Optoelectronic integration
- New silicon and silicon nitride active and passive component designs
- Novel light sources on silicon platforms
- High-speed detectors for silicon photonics
- High-Q resonators
- New fabrication techniques
- Hybrid integration of silicon with other semiconductors or solid-state crystals
- Silicon-based high-speed modulators
- Silicon-based short-distance optical communication systems and architectures
- Beam-steering and beam-shaping architectures
- Silicon-based RF compared to fiber or microwave photonics
- Silicon-based biophotonics
- Novel integrated sensors
- Silicon photonics for space applications
- Niche applications of silicon photonics

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Deadline for manuscript submissions

closed (30 April 2021)



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About the Journal

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

Editor-in-Chief

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