

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

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About the Journal

Message from the Editor-in-Chief

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