



Silicon Based Integrated Optics

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Message from the Guest Editors

The Special Issue aims to present the state-of-the-art technologies in silicon photonics, including demonstrations based on either the SOI waveguide or other materials integrated with the Si substrate. It covers both individual-device-level demonstrations as well as system-level applications based on silicon photonics. Researchers are invited to submit their contributions to this Special Issue. Topics include, but are not limited to:

- Semiconductors lasers on Si;
- Si-based modulators;
- Advanced SOI passive devices;
- Photodetectors on Si;
- Integration of electro-optic materials on Si;
- Frequency combs on Si;
- 2-D materials on Si;
- Si-based communications;
- Si-based computations;
- Si-based sensing.

