

# Special Issue

## Silicon Based Integrated Optics

### 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.

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### Guest Editors

Dr. Lin Chang

Prof. Dr. Xingjun Wang

Dr. Andreas Boes

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### Deadline for manuscript submissions

closed (31 August 2022)



## Photonics

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*Photonics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[photonics@mdpi.com](mailto:photonics@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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