Special Issue

Lithium Niobate on Insulator: Technologies, Components and Applications

Message from the Guest Editors

Due to its excellent piezoelectric, electro-optical, linear, and nonlinear optical properties, lithium niobate (LN) has a crucial role in a wide range of applications, such as optical parametric amplifications and electro-optic integrated devices for optical communications. The aim of this Special Issue is to put together a collection of papers covering different aspects of the LNoI platform, ranging from technological and design aspects to integration, packaging, and application, so as to highlight the most recent findings and trends in this continuously and rapidly evolving field. The topics of interest for the Special Issue include but are not limited to the following list:

- Thin film deposition techniques for LN on insulators;
- LN-integrated modulators;
- LNoI optical integrated waveguides and components;
- Integrated devices for nonlinear processing and frequency generation;
- LNoI integration with other platforms;
- LNoI for quantum photonics.

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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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