



Lithium Niobate on Insulator: Technologies, Components and Applications

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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.

