

III-V on SOI photonic crystal devices

(Invited paper)

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ABSTRACT

Nanophotonics will play a crucial role for the convergence of microelectronics and photonics to cope with the requirements of compactness and low power consumption. During this talk I will present our recent progress on III-V on SOI photonic crystal devices such as lasers and nonlinear parametric sources.

Keywords: Nanophotonics, Photonic crystals, lasers, Nonlinear optics