Abstract for an Invited Paper
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Silicon lasers, integration, interconnect, etc. at Intel
MARIO PANICCA, Director Photonics Technology Lab, Intel Corporation

In this talk, we discuss integrated silicon photonic technologies that enable Tbit/s optical link for future VLSI interconnect applications. We also review the recent advances in various fundamental building blocks, including high-speed silicon optical modulator, SiGe detector, and hybrid silicon laser.