



Société : CSEM SA

Titre : Ansys Lumerical: Serving to develop standardized PIC components

Photonic integrated circuits (PICs) have proven to be the technology of choice to address the emerging needs of the next decade, from telecom and automotive to the health and environment monitoring domains. Various PIC platforms are being developed by the foundries to give access to PIC designers and end-users to realize their PICs through standardized, reliable fabrication processes. Reliable simulation of the light-wave behavior in the integrated components is integral to the standardized PIC building block development cycle, which serves both designers and foundries. In this talk, we will briefly go through the process design kit (PDK) development process and present how CSEM takes advantage of Ansys Lumerical tool to develop its lithium niobate on insulator (LNOI) PIC platform's PDK.

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