

Silicon Photonics

Dries Van Thourhout

Biography:

Dries Van Thourhout received the Ph.D. degree from Ghent University, Ghent, Belgium in 1995 and 2000 respectively. From Oct. 2000 to Sep. 2002 he was with Lucent Technologies, Bell Laboratories, New Jersey, USA, working on the design, processing and characterization of InP/InGaAsP monolithically integrated devices. In Oct. 2002 he joined Ghent University, Belgium, where he has a position as full time professor. He is coordinating the cleanroom activities of the research group and coordinating the NAMIFAB centre of expertise. His research focuses on the design, fabrication and characterization of integrated photonic devices. Main topics involve Silicon nanophotonic devices and the integration of novel materials (III-V, graphene, ferro-electrics, quantum dots, ...) on these waveguides to expand their functionality.

He is working on applications for telecom, diatom, optical interconnect and sensing. He has submitted 14 patents, has authored and coauthored over 220 journal papers and has presented invited papers at all major conferences in the domain, including tutorials on Silicon Photonics. He has coordinated several European Projects, contributed in many more and received an ERC Grant (ULPPIC). He received the prestigious "Laureaat van de Vlaamse Academie Van Belgie" prize in 2012 and was a Clarivate Highly Cited Researcher in 2018.