

Bio:

Professor Shankar Kumar Selvaraja is an associate professor at the Centre for Nano Science and Engineering, Indian Institute of Science Bangalore. He is also the Chair of the National Nano fabrication Centre (NNfC) at IISc. Before joining IISc in 2014, he was with imec Belgium. He received his PhD for his work on wafer-scale fabrication technology for Silicon photonic integrated circuits from Ghent university-imec Belgium. He is an alma mater of Bharathiar University, College of Engineering Guindy and University of Twente the Netherlands. He has spent over 18 years in silicon and integrated photonic, developing state-of-the-art CMOS process and device technology for high- speed optical interconnect and sensing applications. He has published over 250 research articles in international journals and conferences and six international patents. He is a recipient of the DST- SERB Early Career Researcher Award and Visvesvaraya young faculty research fellowship award from the ministry of electronics and information technology. His current area of research includes silicon photonic IC enabled high-speed connectivity technology, integrated photonic sensors, neuromorphic photonics and quantum photonic integrated circuits.