

Upgraded version of Canadian silicon photonics technology

We chart the generational trends in silicon photonics technology, drawing parallels from the generational definitions of CMOS technology. We identify the crucial challenges that must be...

Over the past 2 decades, the CPFC has evolved into a key industrial partner for Canada's growing photonics ecosystem. Through design, refinement, fabrication and testing of compound ...

The goal of SiEPICfab is to conduct research in the fabrication of silicon photonic devices and photonic integrated circuits, and to make leading-edge silicon photonic manufacturing accessible ...

The goal of SiEPICfab, the Canadian Silicon Photonics Foundry, is to conduct research in the fabrication of silicon photonic devices and photonic integrated circuits, to conduct research in photonic devices ...

The federal government will privatize a publicly owned semiconductor plant that technology executives and investors say could be key to Canada's AI hardware ambitions. Industry Minister ...

Polymer electro-optic technology has the potential to deliver ultra-high-speed, ultra-low-power optical interconnects -- exactly what data centers and AI infrastructure desperately need as ...

Our services include the whole value chain from researchers to photonic companies and end-users. Our mandate is to network end-users, photonic industries, universities and institutions with the objective ...

In an exclusive interview with DIGITIMES Asia, Ranovus founder, chairman, and CEO, Hamid Arabzadeh, highlighted the remarkable advancement in their silicon photonics chip ...

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A pioneering team of scientists at Simon Fraser University have created a new type of silicon-based quantum device controlled both optically and electrically, marking the latest ...

Silicon photonics is the technology that uses tiny structures etched into silicon chips to generate, control and detect light for moving data and sensing, essentially putting optical fiber ...

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