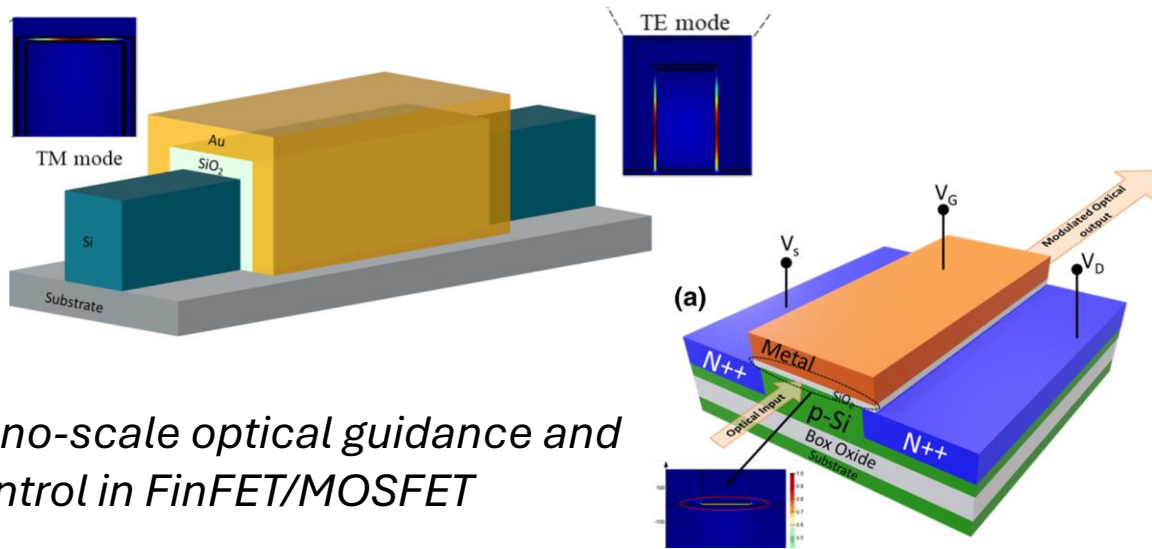


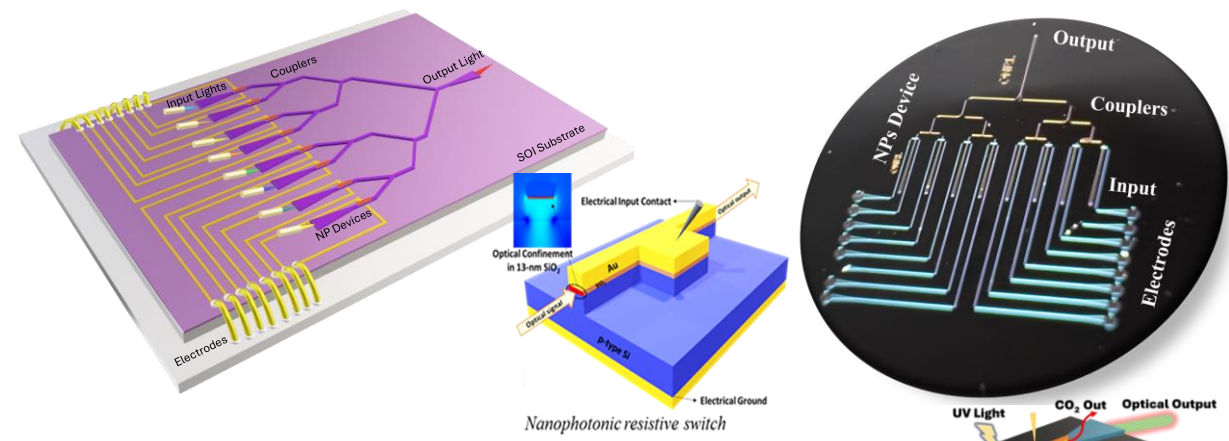
FinFET/MOSFET Goes Optical....



Nano-scale optical guidance and control in FinFET/MOSFET

<https://doi.org/10.1007/s11082-023-05057-4>

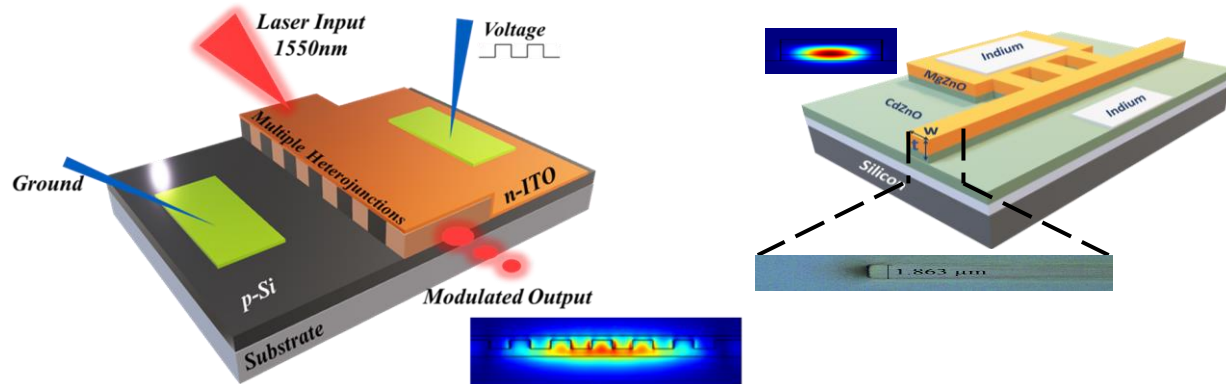
Multiwavelength Nanophotonic Chip



Reconfigurable Circuit based on Nanophotonic Resistive Switch

Nanoscale, March 2025, DOI: 10.1039/D5NR00463B.

Semiconductor Hetero-junction Technology

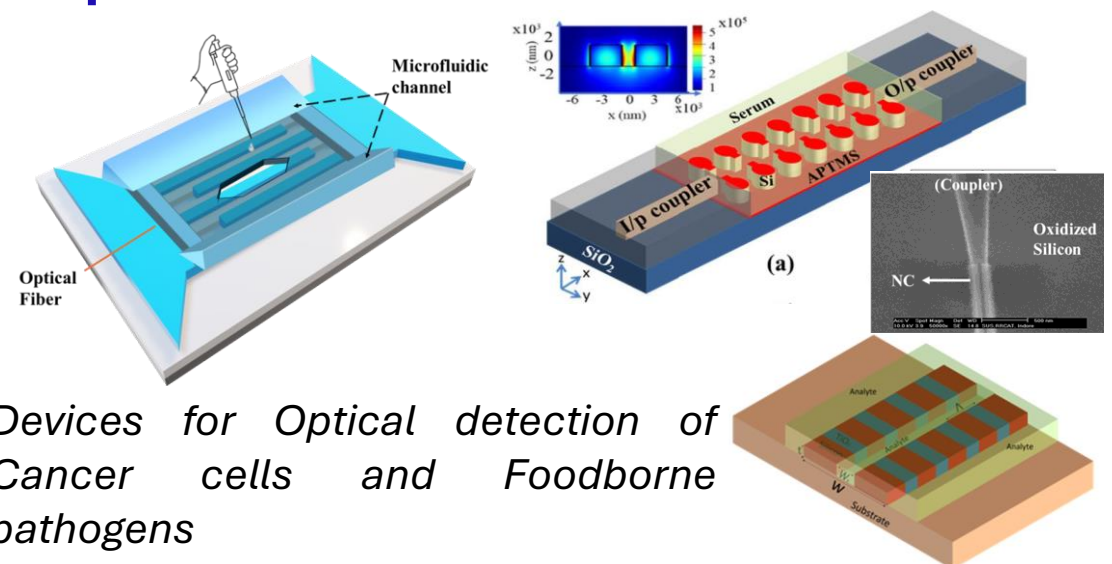


Optical modulator based on semiconductor heterojunctions: utilization of ENZ property of ITO

Scientific Reports, October 2023, DOI:10.1038/s41598-023-44438-3.

Physical Review Applied, Vol. 15, pp. 54029, May 2021.

Chip-scale Photonic Devices for Healthcare



Devices for Optical detection of Cancer cells and Foodborne pathogens

J. Lightwave Technology, 2021, DOI: 10.1109/JLT.2021.3104409.