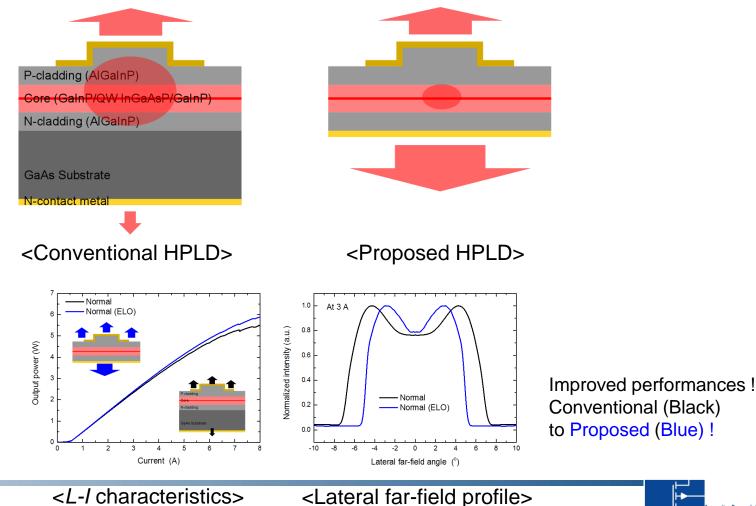
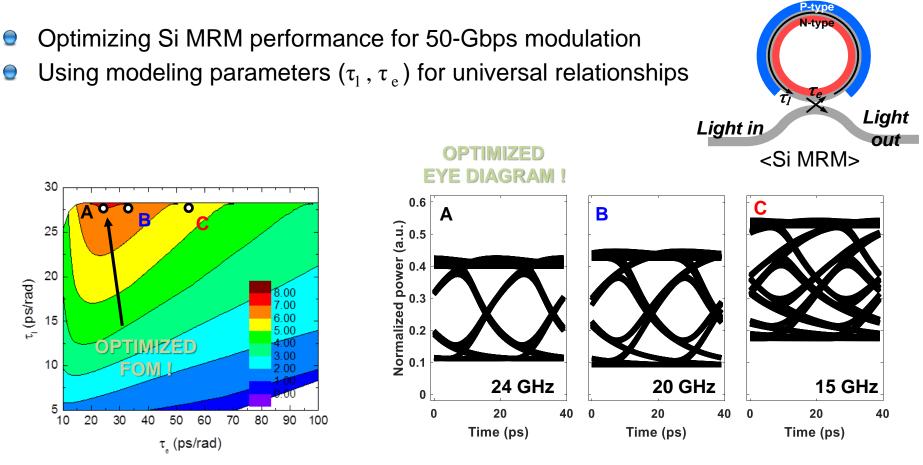
## **High Power Laser Diodes**

- High power laser diode (HPLD) with an improved heat-sinking structure
- Improved heat-sinking  $\rightarrow$  Lower temperature  $\rightarrow$  Higher LD performances



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## **Optimization of Si MRMs**



<Modeling parameters vs. FOM>

<Eye diagrams for 50-Gbps modulation speed>

Research Group

Figure of merit (FOM) : Product of optical modulation amplitude and 3-dB bandwidth

## **Yonsei University**