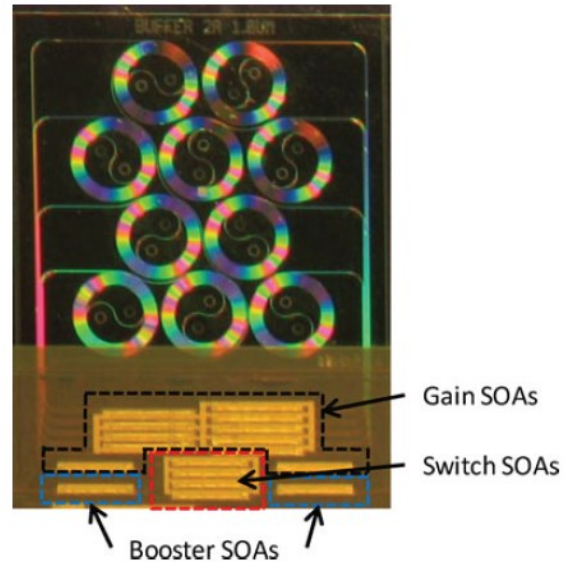
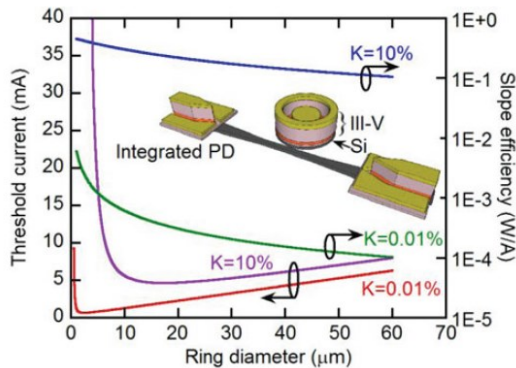
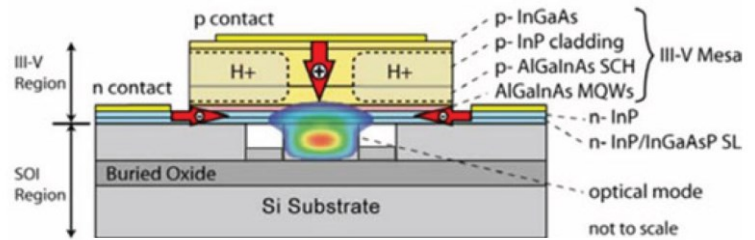


Date/ Time: Tuesday, June 21st, 2016
6:30 PM Pizza & networking
7:00 PM Presentation

Location: Skyworks Conference Room
Newbury Park, CA 91320
(See RSVP/Directions Below)



Speaker : Di Liang, PhD, Hewlett Packard Laboratories
Title : VLSI Photonics in Next-Gen Data Centers

Abstract:

Massive data transmission for next-gen datacenter application creates a tremendous opportunity for photonics to grow into a much higher level in volume and integration density. In this talk, the roadmap and effort to construct such a power-efficient and high-speed VLSI photonic link for Hewlett Packard Enterprise’s datacenter and supercomputing business are reviewed. Silicon-based key components, e.g., lasers, modulators and photodetectors and their integrated transceivers with CMOS drivers will be discussed.

Di Liang, PhD, Di Liang is currently a senior research scientist at Hewlett Packard Labs. His research interests include III-V and silicon photonics, heterogeneous material integration and nanofabrication technology. He has authored and coauthored over 130 top-tier journal and conference papers, 5 book chapters, and was granted by 5 patents (multiple region filing) with another 40 pending. He received his B.S. degree in Optical Engineering from the Zhejiang University, China, and Ph.D. degree in Electrical Engineering from the University of Notre Dame, USA. He is a senior member of IEEE and a member of OSA.

Skyworks, Intersection of West Hillcrest Drive and Lawrence Drive, Newbury Park, CA 91320
(not the main building, please use link below to green arrow that pinpoints building)
<http://maps.google.com/maps?q=34.187542,-118.930994&num=1&t=h&vpsrc=0&ie=UTF8&z=18&iwloc=A>

Register : <https://meetings.vtools.ieee.org/m/40054>