

DISTINGUISHED LECTURE

**FRIDAY,
JANUARY 23, 2009**

**LOCATION: HH 1112
TIME: NOON
REFRESHMENTS: 11:30 A.M.**



Drew Perkins

Co-founder & Chief Technology Officer
Infinera Corporation

Drew Perkins co-founded Infinera Corporation and has served as its Chief Technology Officer since May 2001, and as a member of its board of directors from May 2001 to November 2006.

From December 1999 to April 2001, he served as co-founder and Chief Technology Officer of OnFiber Communications. OnFiber developed some of the world's largest metro DWDM networks before merging with Qwest Communications.

From February 1998 to March 1999, Mr. Perkins served as co-founder and Chief Technology Officer of Lightera Networks, and upon Ciena Corporation's acquisition of Lightera in March 1999, he served as Chief Technology Officer of Ciena's Core Switching Division. Lightera developed the CoreDirector optical switch, currently deployed at many of the world's tier 1 carriers, and under Drew's direction, Lightera implemented an Optical Signaling and Routing Protocol for the fast optical mesh provisioning and protection.

From February 1993 to March 1997, he served in various senior engineering and management roles at FORE Systems, an internet switching equipment company. Mr. Perkins was the principal architect of numerous TCP/IP, ATM, Ethernet hardware and software products and protocols while at FORE.

Mr. Perkins holds a B.S. in Electrical Engineering, Computer Engineering and Mathematics from Carnegie Mellon University.

Optical Networking with Infinera's Photonic Integrated Circuits

In his talk, Drew will discuss the founding, formation and growth of Infinera Corporation, a company he co-founded in 2001 during the depths of the last economic downturn. In less than five short years, Infinera became the leader in the optical transport network equipment market, leading to their Initial Public Offering on the NASDAQ stock market in June, 2007, just before the current economic downturn began. Mr. Perkins will discuss how Infinera's Photonic Integrated Circuit (PIC) technology is changing the way telecommunications carriers deploy and operate optical networks and the Internet. Despite the downturn in 2000, the Internet continued to grow, and so far has continued to grow during the current downturn.

ECE Seminar Host:

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