

Invited Speech: **Integrated Innovation and Collaboration in a Semiconductor Disintegrated Ecosystem**
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About the Speaker



Jaushin is Founder of Imera Systems and the visionary architect behind Imera SAVI™ platform and TeamLinks, the industry leading solution for ecosystem secure remote access and collaboration. He has 20 years of R&D and management experience in networking and computing engineering. Most recently he managed the Cisco Network Search Engine (TCAM) and high-speed SRAM programs and was responsible for the technology strategy by interacting with the world's leading semiconductor vendors. Prior to Cisco, Jaushin held an engineering management position with Silicon Graphics, Inc. and was an assistant professor at the University of Virginia. Jaushin holds a Ph.D. in EECS from the University of Illinois at Urbana-Champaign, MS in EE from Columbia University, and BS in EE from National Taiwan University. He has published 15 international conference and journal papers and filed numerous US patent applications.

Abstract

The merchant foundry business model emerged in late 80's has successfully shifted the entire semiconductor industry to the next horizon. The economic force generated by this business model, tradeoff with the efficiency of vertical integration, significantly dropped the cost of integrated circuits. This development enabled the blooming of consumer electronics in the 90's as one of the market drivers in the high tech industry after the Cold War. Today, 20 years after the introduction of the foundry model, the semiconductor industry faces a global demand of improved efficiency for the vertical development process of an integrated circuit. In today's disintegrated ecosystem with foundry, EDA, IP houses, and fabless design houses all as separated companies, how to build a tightly integrated development process is becoming a major challenge. This presentation will discuss some modern networking technology that utilizes the 21st century existing Internet and enterprise intranet, connects all distributed parties in the ecosystem, prevents the leak of intellectual property, and enables integrated innovation and collaboration through all parties to regain the efficiency and productivity.