

MEDIA ALERT: Sept. 6, 2009

OneChip Photonics to Give Photonic Integration Presentation at COEIC 2009

- What:** **Doug Cheng, Vice President of FTTx Product Line Management** at OneChip Photonics, will give a presentation on “Photonic Integration in New-Generation FTTH Networks” at the China Optoelectronic Industry Conference (COEIC), scheduled for Sept. 6-8 in Shenzhen, China. OneChip’s Photonic Integrated Circuit (PIC)-based transceivers enable system providers and carriers to deploy Fiber-to-the-Premises (FTTP) more cost-effectively than ever before – and meet consumer and business demand for high-bandwidth voice, data and video services.
- When:** **Monday, Sept. 7, 2009; 9:45 a.m. - 10:10 a.m.; Rose Hall No. 3, 5th Floor**
Section: FTTH Access Network
Title: “Photonic Integration in New-Generation FTTH Networks”
- Who:** **Speaker: Doug Cheng – Vice President, FTTx Product Line Management, OneChip Photonics**
This session will include discussion on the pivotal role that photonics technology has played in fostering and enabling the Broadband Revolution even before the term and the concept were articulated. The invention of semiconductor lasers and detectors, low-loss optical fiber and, later, optical amplifiers, made long-distance data transport feasible. Now, as telecom operators look to meet consumer and business demand for high-bandwidth voice, data and video services – and differentiate themselves from competitors – there is more of an imperative than ever before to extend photonics technology into FTTH networks.

The presentation will examine why integration of photonic devices into Photonic Integrated Circuits (PICs) has long been foreseen, but only recently commercially realized in long-reach optical transport systems. For some time, the application of photonics integration into cost-sensitive, high-volume applications such as EPON and GPON transceivers for FTTH systems has been impaired by the lack of a cost-effective photonic integration technology.

Lastly, the session will offer a better understanding of the conventional optical assembly techniques manufacturers of PON transceivers have had to employ and of the new, breakthrough approach and PIC technology that now is available. In the future, 10G PON will place new, more stringent demands on the cost/performance of optical transceivers, which will best be met with PIC-based transceivers.

Doug has more than 20 years of engineering and product line management experience in the Telecommunications industry. Most recently, he was the director of product line management at Fiberxon Inc. Prior to that, he held similar positions at Nokia, Nortel, and Lantern Communications in Europe and Canada.

OneChip Photonics is a privately held company, headquartered in Ottawa, Canada, that develops and manufactures low-cost, high-performance optical transceivers – based on monolithic Photonic Integrated Circuits (PICs) in Indium Phosphide (InP) – for access networks and other mass-market broadband applications. OneChip’s breakthrough approach and technology will remove the cost and performance barriers that have been impeding the ubiquitous deployment of Fiber-to-the-Home (FTTH) and enable new business and consumer broadband applications. For more information, please contact OneChip at +1 (613) 226-6117 or at sales@onechipphotonics.com, or visit our Web site at www.onechipphotonics.com.

- Where:** COEIC 2009, Sept. 6 - 8, 2009
Shenzhen Convention and Exhibition Center, Shenzhen, China

During this time, OneChip Photonics will be exhibiting at The 11th China International OPTO ELECTRONIC Expo (CIOE) 2009, which also is located in the Shenzhen Convention and Exhibition Center. To learn more about OneChip, come visit us in booth #432 at CIOE 2009.

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