



Department of Electronic Engineering

The Chinese University of Hong Kong

Co-hosted by Center for Advanced Research in Photonics and
IEEE LEOS (Hong Kong) Chapter

Seminar

Room 222, Ho Sin Hang Engineering Building, The Chinese University of Hong Kong

Time: 2.15pm, 31st October 2008

Integrated Silicon Photonics: Technology and Products

Mehdi Asghari, Kotura Inc., Monterey Park, California, USA

Abstract

The talk will provide an overview of silicon photonics technology and potential products. It will cover some of the basic concepts and discuss the range of functionalities and capabilities that the technology has to offer. A few examples of key technical challenges involved in the practical realization of the technology will then be provided together with examples of key benefits. The talk will then provide a few examples of product or technology demonstrators involving high levels of integration in silicon.

About the speaker

Mehdi Asghari is the Chief Technology Officer of Kotura Inc, a silicon photonics company which is a global leader in the design, manufacture and sales of CMOS optical components to the communications industry. Mehdi has over 15 years of progressive engineering and management experience within the silicon photonics and optoelectronics industries. He has served as VP Research and Development of Bookham, Inc., where he was responsible for the R&D and manufacturing transfer activities behind all of Bookham's silicon-based technologies and products. Mehdi holds a Ph.D. degree in Optoelectronics from the University of Bath, a M.Sc. degree in Optoelectronics and Laser Devices from the Heriot-Watt and St. Andrews Universities, and a BA degree in Engineering from Cambridge University. He has authored or co-authored over 50 publications and holds more than 12 patents within the fields of silicon photonics and optoelectronics.

All are welcome to attend. For further information please contact Prof H.K.Tsang (hktsang@ee.cuhk.edu.hk)