

COMPUTER SCIENCE COLLOQUIUM

Department of Computer Science
City University of Hong Kong

Light-trails: From Ideas to Products

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Date :

11 June 2007 (Monday)

Time :

2:30pm - 3:30pm (Refreshment will be served at 2:15pm)

Venue :

CS Seminar Room, Rm Y6405, 6th Floor Yellow Zone, Academic Building,
City University of Hong Kong, Tat Chee Avenue, Kowloon Tong.

Abstract

The talk focuses on light-trail technology as a solution for metro optical networks. In particular we focus on conceptualization, prototyping and productization of light-trails.

Features of light-trails, design parameters and protocols are discussed. Issues such as fault tolerance, topology growth are considered. Provisioning of services such as Triple Play, SAN, Video on demand and pseudo wires over light-trail networks are also discussed. An overview of light-trail based products and the IITB test-bed on light-trails summarizes the talk.

Biography

Ashwin Gumaste is currently a faculty member in the Department of Computer Science and Engineering at the Indian Institute of Technology Bombay. He was previously with Fujitsu Laboratories (USA) Inc as a Member of Research Staff in the Photonics Networking Laboratory (2001-05). Prior to this, he worked in Fujitsu Network Communications R&D and prior to that with Cisco Systems in the Optical Networking Group (ONG). He has over forty pending U.S. and EU patents and has published close to sixty papers in referred conferences and journals. He has authored three books in broadband networks called DWDM Network Designs and Engineering Solutions (a networking bestseller), and First-Mile Access Networks and Enabling Technologies (for Pearson Education/Cisco Press) and Broadband Services: User Needs, Business Models and Technologies for John Wiley. He is also an active consultant to industry providers and vendors. Ashwin has served Program Chair, Co-chair, Publicity chair and workshop chair for IEEE conferences and as Program Committee member for IEEE ICC, Globecom, Broadnets, ICCCN, Gridnets etc. Ashwin is also a guest editor for IEEE Communications Magazine and General Chair of the 1st International Symposium on Advanced Networks and Telecommunication Systems (ANTS) held in Bombay India. He can be reached through www.ashwin.name.

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*In case of questions, please contact Dr Jianping Wang at Tel: 2788 7737, E-mail: jianwang@cityu.edu.hk,
or visit the CS Departmental Seminar Web at <http://www.cs.cityu.edu.hk/>.*