



Gujarat Technological University

ORGANIZES

Workshop

ON

Issues in (Optical) Networking

BY

Dr. ArunSomani

Anson Marston Distinguished Professor

Jerry R. Junkins Endowed Chair

Department of Electrical and Computer Engineering

Iowa State University

USA

Date: 1st June, 2015 - Monday

Time: 10:30 AM – 01:30 PM

Venue: Gujarat Technological University

Nr. Visat Three Roads, Chandkheda, Ahmedabad.

ResourcePerson :

Dr. ArunSomani is presently working with the Department of Electrical & Computer Engineering at Iowa State University. His research interests are Dependable Computing and Networking, Parallel Computer System Design and Parallel Algorithms, Interconnection Networks, Optical Networks, P2P Grid Networks. He has made significant research contributions in novel architectures for an efficient dictionary machine for VLSI, new fault tolerant computer system architecture, called MESHKIN, Developed Enhanced Hypercube (EHC), Generalized Folding Cube (GFC), and Helical Binary-cube (HBC) interconnection topologies, Developed, designed and implemented Proteus multi-computer system, efficient fault tolerant location management distributed database system. Prominent work are: characterization of role of wavelength converters in optical WDM (wavelength division multiplexing)-based network; convertor placement algorithms; development of alternate architectures that employ no wavelength conversion; development of traffic grooming algorithms; and traffic grooming architectures; development of resource allocation, and fault tolerance to support efficient traffic grooming; development of dependable routing and connection management methods; investigation of techniques and methods to detect and diagnose attacks in WDM-based fiber optic networks; development of a simulation environment to analyse the effectiveness of the techniques; and development of several effective survivability techniques using resource sharing approaches.

Interested Faculty members and Students can participate in Workshop, Fees: NIL

To register:<http://goo.gl/forms/QhccXsrG7F>

Limited seats are available.Last Time & Date for registration: 12:00 PM29-05-2015

Web: <http://gtu.ac.in>