



Ottawa
Section



The IEEE Ottawa Section and the Joint Chapter of Communications Society and Broadcast Technology Society (ComSoc/BTS), and Algonquin College Student Branch in conjunction with School of Advanced Technology-Algonquin College are inviting all interested IEEE members and other engineers, technologists, and students to a technical seminar on

Converged Services and New Generation of Networking

by

Dr. Bhumip Khasnabish, IEEE ComSoc Distinguished Lecturer,
Distinguished MTS of Verizon Network and Technology, Waltham, MA, USA

DATE: **Wednesday July 15, 2009.**

TIME: Refreshments, Registration and Networking: **06:00 p.m.**; Seminar: **06:30 p.m. – 07:30 p.m.**

PLACE: Algonquin College, [1385 Woodroffe Ave.](#), [School of Advanced Technology, Building-T](#), Room T129

PARKING: at the Parking Lots 8 & 9. Please respect restricted areas. No fee after 5:00 p.m.

ADMISSION: Free. Registration required. To ensure a seat, please register by e-mail contacting:

Wahab Almuhtadi at almuhtadi@ieee.org or Patrick Couture Cout0009@algonquincollege.com

More Info: www.ottawa.ieee.ca/comsoc

Abstract

Commoditization of voice service has reached such a state that anyone with a server to provide registry and addressing (identification) functions can offer it to the Internet community using the voice over the Internet protocol (IP) or VoIP technology. Traditional client-server model has evolved to peer-to-peer model for near-real-time voice and multimedia (gaming, video, etc.) sessions. Voice mail service is being replaced by Instant-messaging (for presence-announced users), use of Star codes for advanced call/session feature activation is being replaced by Web based service-provisioning interface, and so on. Similar revolution is also happening in the areas of IP-based Television (IPTV) service development and distribution. These are only a glimpse of what is possible with the new/emerging converged services paradigm. However, many issues related to reliability/availability, security/privacy, mobility, service provisioning and continuity, regulation, operations, and quality of service and experience (QoS/QoE) still remain open.

In this discussion, we will explore the current activities of the traditional service providers to find implementable and operable solutions to these problems in the evolving Next Generation Networks (NGNs). The objective is to support VoIP, IPTV, and other multimedia services *seamlessly* over a variety of interconnected networks using the emerging IP multimedia subsystem (IMS) and service-oriented architecture/network (SOA/SON) based standards.

Bhumip Khasnabish's Bio

Dr Khasnabish is a Distinguished MTS of Verizon Network and Technology, Waltham, MA, USA. He is the founding chair of the recently created ATIS Next Generation Carrier Interconnect (NG-CI) Task Force. Bhumip also founded MSF Services Working Group and led World's first IMS-based IPTV Interop during GMI08. In Verizon, he focuses on NGN and Carrier Interconnection projects related to delivering enhanced multimedia services. He represents Verizon in the Standards activities of MSF and ATIS NG-CI. Previously Bhumip worked in Bell-Northern Research (BNR) Ltd. designing, implementing, and leading implementation of trunking and traffic management software modules for Passport® multi-service switch. Bhumip contributed to developing numerous patents and publications including the books entitled *Implementing Voice over IP* (Wiley, 2003, 2005) and *Multimedia Communications Networks: Technologies and Services* (Artech House, 1998). Bhumip is a Distinguished Lecturer of IEEE, an adjunct faculty member of Brandeis University and Bentley University and Northeastern University; all in greater Boston, Massachusetts, area, and a member of the Board of Editors of the Journal of Network and Systems Management (JNSM).