IEEE *Montréal*   **IEEE COMMUNICATIONS SOCIETY**   Concordia University **ENCS** Engineering & Computer Science   **BTS** MONTREAL CHAPTER

The IEEE Montreal Section and the Joint Chapter of Communications Society and the Chapter of Broadcast Technology Society (ComSoc/BTS), and Concordia University are inviting all interested IEEE Montreal members and other engineers, technologists, and students to a technical seminar on

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

DATE: **Monday July 13, 2009**.
TIME: Refreshments, Registration and Networking: 10:00 a.m.; Seminar: 10:30 a.m. – 12:00 p.m.
PLACE: Concordia University, Electrical & Computer Engineering Department, **Room EV001. 162**
ADMISSION: Free. Registration required. To ensure a seat, please register by e-mail contacting:
Dr. Anader Benyamin-Seeyar at anader.benyamin@ieee.org or Dr. Reza Soleymani at
msoleyma@ece.concordia.ca
More Info: http://ewh.ieee.org/r7/montreal.

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 Northeaster University; all in greater Boston, Massachusetts, area, and a member of the Board of Editors of the Journal of Network and Systems Management (JNSM).