IPTV and Beyond

by Anurag Srivastava, Bell Labs, Lucent Technologies

Date: February 13, 2007 (Tuesday)
Time: 6:00 pm
Place: 202 ECEC, NJIT

About the Speaker

Anurag Srivastava received his B.E. (E.E) and M.S. (Comp Sc.) from Indian Institute of Science, Bangalore in 1997 and 1999, respectively. He has been working as Member of Technical Staff at Networking and Network Management Center of Bell Labs, Lucent Technologies since 2000. His research interests are in the area of video delivery over IP networks, location based technologies in wireless networks, MPLS and SONET/SDH networks, and in solving routing and optimization problems in IP and Optical networks. He has published extensively in those areas and has over 15 patents awarded or pending. Mr. Srivastava speaks regularly at major telecom conferences and presents his research work in industry trade shows.

About the Talk

Telecom service providers are relying on IPTV to counter voice, video and data ("Triple-play") threat of Cable operators by offering these services over their hybrid fiber/DSL access infrastructure. In the first half of this talk, I will provide an overview of the new emerging and exciting area of IPTV, and describe the key components that make up an end-to-end IPTV system.

Today, TV subscription is tied to a household instead of a subscriber and thus, a subscriber typically cannot access his favorite programming outside his home location. In the second half, I will introduce the concept of TV roaming which enables a subscriber to carry his TV subscription to any other place (e.g. Hotel, Friend's house), or any other device (TV, Laptop, handheld). With just a few keystrokes of a remote-control or laptop, a subscriber can watch his favorite channel on any device. I will describe the architecture of the MiViewTV system (an on-going project at Bell Labs) and its key components.

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