

4G and Beyond: Evolution of Wireless Networks

Dr. Arunabha Ghosh

AT&T Labs

Abstract:

This presentation is intended to provide a brief history behind the development of various wireless standards and concepts that we see around us. Starting from the development of AMP in the mid 80's to current generation of broadband technologies such as WiMAX and HSPA, we will discuss the various technological and non technological drivers that have played an important role in the development of these standards. The later part of the presentation discusses the various concepts in digital communication and data networks that will play an important in the future generation of wireless networks, often referred to as 4G networks.