



**Sunday, September 10, 2006  
8:00AM – 12:00 Noon**

### **(T03)CITY-WIDE NETWORKS OFFERING MOBILITY FOR VIDEO AND HI-SPEED DATA SERVICES**

#### **Description**

“Municipal Wireless” (also known as “muni wireless” or “muni wifi”) refers to citywide broadband projects funded or supported by cities or towns. Wireless services are offered to municipal employees, city residents, visitors or some combination of all three. Although there are several technologies available to provide these services, the most common implementation is in unlicensed spectrum using WiFi technology, also known as WiFi, an industry standard widely used by businesses and consumers. This tutorial presents some of the key concepts and technologies used in the design and deployment of citywide broadband wireless networks delivering voice, data, and video services. This tutorial starts with a review of broadband wireless networks and the driving forces behind citywide applications. These discussions are followed by a more detailed technology and economics discussion of the various mobile, portable, and nomadic next generation technologies including third generation (3G), WiFi, MobileFi, and WiMax.

#### **Benefits of Attending**

This course provides the attendee with a working knowledge of broadband wireless technologies that can be deployed for wide area applications. Additionally, the attendee will benefit from insight into the current and emerging applications driving the

deployment of citywide wireless networks.

#### **Who Should Attend**

Telecom professionals, engineers, network designers, and anyone interested in the delivery of broadband services over wide area wireless networks.

#### **About the presenter**

Darryl Ladd is Director of Network Architecture for Cox Communications in the corporate Telephone and Data Engineering department. Mr. Ladd’s responsibilities include engineering and design of access, metro, and backbone optical networks supporting voice, data, and video services.

Prior to joining Cox in 2000, Mr. Ladd served as Director – Technical Operations for BellSouth Entertainment. In addition, he has held several planning, engineering, operations and R&D positions with SBC, BellSouth, and Bellcore (Telcordia).

Mr. Ladd holds a Bachelor of Science in Industrial Engineering from the University of Oklahoma and an MBA. He is a registered Professional Engineer.