



## Educational Workshops

THURSDAY, October 2, 2008

(approximately 45 minutes)

**9:00 AM**     **Ribbon Fiber: What Do I Need To Know and Why Should I Even Care?**  
(Room 106)     **Presenter:** [George Mackie](#), Sr. Product Specialist ..... Sumitomo Electric Lightwave

An open discussion on how ribbon fiber cables have become an effective option for fiber installations, taking it from the early days of loose tube cable use, to the benefits of ribbon cables today. We point out the features of the ribbon cables so that the end user can make the best choice for deployment of either ribbon or loose tube cables. As part of this relaxed, open discussion, we include hands-on opportunities for all attendees to work with ribbon fiber.

The seminar will be of interest to Network Planning, OSP Engineering, and OSP Construction.

**10:00 AM**     **Merging SS7 and IP**  
(Room 107)     **Presenter:** Steve DeVries ..... Telecom Trainers

Signaling System 7 (SS7) is a widely deployed packet-oriented telephony signaling protocol. It is used today for many wireline and wireless applications. Transporting this protocol is now rapidly evolving to include high-speed and Internet Protocol (IP) methods. This brief course provides a basic understanding of how the SS7 protocol is transported over packet networks using IP. We will describe the family of protocols that provide reliable datagram service and user layer adaptations for the SS7 protocol. This protocol was originally intended to allow new Voice over Internet Protocol (VoIP) networks the ability to easily interconnect with legacy Public Switched Telephone Networks (PSTN) and utilize the services that customers need and expect. Those services rely heavily on the current SS7 signaling applications.