

## **Doughnuts and Intro**

9:00 AM What is a PON Network? 9:10 AM Components of a PON 9:20 AM Network Architecture 9:30 AM Fiber Optics Cables

9:40 AM Wavelengths and the Electromagnetic Spectrum

9:50 AM Wavelength Correlation with RF

10:00 AM Attenuation: Causes and Why They Matter

10:15 AM Waterpeaks

#### Break

Lunch

## Fiber Deployment

11:00 AM Aerial or Underground: What's Best for Me?

11:10 AM Aerial Deployments

11:20 AM Underground Deployments

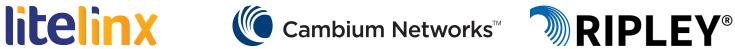
# **Network Design and Architecture**

11:30 AM Split Architecture

11:45 AM Mapping Your Network

# **Featuring**









### **LiteLinx Presentation of Fiber**

# **Permitting and Engineering**

1:50 PM Permitting Process 2:00 PM Engineering Studies 2:10 PM Network Construction 2:20 PM Construction Phases

#### Break

2:30 PM Inside Plant Components

## Lynn Presentation on Patch panel and FDH

3:15 PM Network Management and Troubleshooting 3:30 PM Network Management by Cambium cnMaestro 3:45 PM Troubleshooting 4:00 PM Hands-On Demonstration by Ripley Tools 4:30 PM Fiber Tools

#### Dinner

5:30 -7:00 PM

