

Wednesday, October 23, 2024

11:00 am - 11:20 am

***To the Edge and Beyond: Solving the Growing Demand for Extended Distance Network Devices***

**Jay Nusbaum**

Systems Engineer, Enterprise Networks

CommScope

Abstract:

Ever since the development of PDS in the early 80s, network designers have looked for ways to extend the network and reach devices in far-away spaces in the building. The original method of extending the network was the IDF closet, and it has surely stood the test of time, but the network's utility and importance has grown as the list of IP devices has expanded exponentially, so network designers now need to extend the network into every nook and cranny of the building and surrounding campus.

In this session, we'll discuss future applications that will broaden this demand, and the three best methods of extending the network, reaching further and further than ever before: Hybrid Powered Fiber, Building Edge Infrastructure, and Extended Reach Category Twisted Pair with larger gauge pairs. The presentation will cover:

- Applications driving this growing demand today and in the future
- Challenges and deployment considerations
- Use cases