



**FIBER BROADBAND ASSOCIATION TRACK  
FIBER TO THE HOME DRIVERS, TECHNOLOGY & DEPLOYMENT  
APRIL 5, 2017 • 1-4PM  
MISSISSAUGA CONVENTION CENTRE  
SALON E**

**Drives for FTTH Canada**

*Heather Burnett Gold, President/CEO, Fiber Broadband Association*

An overview of the statistics and drivers for fiber to the home in Canada

**Fiber Networks – Where we've been and where we're going**

*Luigi Bernucci, Senior Sales Engineer, Calix*

This presentation will cover the evolution of fiber networks and how optic technology advancements continue to stay a step ahead of consumer bandwidth demand. Focus on the "Customer Experience" is driving service providers to deploy services that delight customers and differentiate them from their competition. Calix will also provide a "sneak peek" into the trends and technology that provide the Customer Experience of the future.

**FTTH Design Network Architecture Evolution**

*Kevin Bourg, Optical Network Architect, Corning*

As operators look at new markets to deploy FTTH the network designs which worked for dense urban networks may not apply to a suburban or rural market. This presentation will include a look at alternative architectures and pathways to cost effectively deploy FTTH services new non-dense or suburban environments.

## **New Solutions to Reach Fiber Subscribers in Homes and Buildings**

*Roger Vaughn, Solutions Engineer, OFS*

There are well understood methods of pulling cable and fishing walls within existing homes and buildings. New fiber technologies, cables, and small form factor components are enabling faster more profitable deployments using these existing techniques. However, such deployment inside walls is often not possible or cost prohibitive. Additional new technologies and deployment methods are enabling even faster, lower cost deployments without disturbing the décor, whether indoors or external to the structure. This presentation will show comparisons between SFU and MDU deployments and describe the latest new fiber deployment technologies and techniques.

## **Fiber Management: Density vs. Accessibility**

*Brian Schrand, Director of Application Engineering, Clearfield*

With today's demand for more and more fiber, providers are pushing for more density in terminations. Density and accessibility both have their own place in the network but there are a few factors to keep in mind.

1. How will churn affect the fiber terminations and jumper management?
2. Is there adequate room for all the jumpers being installed?
3. Do you have adequate fiber management?

## **SD-Access: Building a Broadband Network for Web-Scale**

*Barry Derrick, Strategic Solutions Marketing Manager, Adtran*

As operators adopt user-driven service models to reduce operational costs while improving the customer experience, they are looking to apply SDN-based architectures. This allows them to operate at web scale by transforming their broadband network that connects the datacenter to the device. Data center networking principles are being leveraged by progressive broadband access service providers to enable rapid services growth and unlock massive operational efficiencies.

This session, explores the open, programmable and scalable services framework inherit within a software defined access (SD-Access) architecture and why without it, service virtualization benefits cannot be fully realized.

## **Network Planning Challenges of Rural Deployments**

*Xavier Smet, Consultant, Comsof Americas &*

*Kevin Wynne, Sales Manager, Americas, Comsof Americas*

We will talk about the considerations around the specific needs of rural roll out in term of Network planning and how GIS planning software solutions can address these challenges:

- Cost to connect everybody in rural environments with FTTH
- Impact of different cable deployment options on total cost
- How to save more costs in rollout by optimizing the architecture of the network
- Analyzing the importance of adoption/pre-engagement of the customers to connect to the network

## **Impact of Next Generation PON System on FTTH Network Testing**

*Gwennael Amice, Subject Matter Expert, EXFO*

The deployment of fiber to the home is ineluctable because of the ever-growing demand for more bandwidth mainly driven, by HD and UHD Video, Over the Top content “OTT”, proliferation of smart devices and the emerging of IoT. While home internet connection speed of 2.5Mbps was good enough ten years ago the average need today is between 25 and 100Mbps. Operators are already proposing Ethernet services up to a full GigE to the Home. We will explain why the deployment of new technologies such as XG-PON, XGS-PON and NG-PON requires specific testing during construction, turn up and maintenance.

End-to----End Fully-Integrated FTTx Deployment

## **Reducing Working Capital, Increasing Margin, and Driving Schedule Reliability, While Working at Scale**

*Bryan McIver, President & CEO, Fresnel Software Corporation*

This session will share with Network Owners and EPC vendors, how to successfully achieve the large-scale deployment of local access fiber while minimizing working capital, improving margins and delivering schedule reliability.