2014 Summer Conference

August 3-5, 2014

Keystone Conference Center, Keystone CO (Summit County)





10:00 am - 5:00 pm REGISTRATION

Location: Shavano Foyer, Keystone Conference Center



7:00 am – 7:00 pm REGISTRATION

Location: Shavano Foyer, Keystone Conference Center

6:30 – 8:00 am BREAKFAST

Location: Longs Peak Foyer

8:15 – 8:30 am WELCOME: PHIL MCKINNEY, President & CEO, CableLabs

Location: Shavano Peak & Red Cloud Peak

8:30 – 9:30 am KEYNOTE: DR. P.W. SINGER, Senior Fellow and Director of the Center

for 21st Century Security and Intelligence, Brookings Institute

Location: Shavano Peak & Red Cloud Peak

9:30 – 9:45 am BREAK

9:45 – 10:45 am INNOVATION SHOWCASE (part I)

Location: Shavano Peak & Red Cloud Peak

10:45 - 11:00 am BREAK

11:00 – 11:45 am INNOVATION SHOWCASE (part II)

Location: Shavano Peak & Red Cloud Peak

11:45 am – 1:15 pm LUNCH

Location: Longs Peak Foyer

BIRDS OF A FEATHER TABLES

Location: Quandary Peak

DEMO FLOOR OPEN (until 7pm)

Location: Grays Peak & Longs Peak

1:15 – 2:00 pm KEYNOTE: DAVID MORKEN, Republic Wireless

Location: Shavano Peak & Red Cloud Peak

2:00 – 2:15 pm BREAK

2:15 – 3:30 pm CONCURRENT SESSIONS

The DOCSIS® 3.1 Network

This session focuses on the state of technology and planning considerations needed in preparation for DOCSIS 3.1 trials and deployments. Discussions will address new developments in midsplit migration and spectrum splits in general, capacity and spectrum planning, timetables and transition roadmaps, including CCAPTM deployments, dealing with MoCA and LTE Interference and Proactive Network Maintenance tools and practices.

Moderator: Terry Cordova, Suddenlink

Speakers:

Scott Helms, ZCorum David Hunter, CableLabs Phil Oakley, Virgin Media Jorge Salinger, Comcast

Location: Shavano Peak

Best Practices for RDK Adoption

Early cable operator and vendor adopters of the RDK are gaining valuable experience working with a large and dynamic open source project. Along the way, they have had to address various startup challenges and are beginning to identify best practices for successful adoption. This session will provide a brief update on the RDK and insight into best practices for adoption.

Moderator: Ed Miller, CableLabs

Speakers:

Ken Klaer, Comcast

Nick Nielsen, Time Warner Cable

Bill Warga, Liberty Global

Location: Red Cloud Peak

3:30 – 3:45 pm BREAK

3:45 – 5:00 pm CONCURRENT SESSIONS

All IP Super-Session

This session will highlight new developments in four key areas of the All-IP video service delivery chain: (1) Software video encoding and virtualization; (2) optimized caching within content delivery networks; (3) efficient delivery of adaptive-bitrate video via IP multicast; and (4) HTML5 adaptive video delivery and content protection.

Moderator: Jon Courtney, CableLabs

Speakers:

Alan Arolovitch, PeerApp

Tom Gonder, Time Warner Cable

Tom Lattie, Harmonic Bob Lund, CableLabs

Location: Shavano Peak

Wireless Super-Session

As wireless communication speeds into its second century of existence, it continues to evolve every decade and has become the primary medium by which most of the world communicates. Join us and look ahead to the next decade of wireless communication as our industry experts discuss future wireless technologies including 5G, LTE-U, 802.11ax, and the services that cable will use to monetize them.

Moderator: Rob Alderfer, CableLabs

Speakers:

Osama Aboul Magd, Huawei Jennifer Andreoli-Fang, CableLabs

Tom Nagel, Comcast John Smee, Qualcomm

Location: Red Cloud Peak

5:00 – 7:00 pm RECEPTION & DEMONSTRATIONS

Location: Grays Peak & Longs Peak (demo floor)



7:00 am – 7:00 pm REGISTRATION

Location: Shavano Foyer, Keystone Conference Center

6:30 – 8:00 am BREAKFAST

Location: Longs Peak Foyer

8:15 – 8:30 am GREETING: PHIL MCKINNEY, President & CEO, CableLabs

Location: Shavano Peak & Red Cloud Peak

8:30 – 9:30 am KEYNOTE: TONY WERNER, CTO, Comcast

Location: Shavano Peak & Red Cloud Peak

9:30 – 9:45 am BREAK

9:45 – 10:45 am CONCURRENT SESSIONS

Internet of Things

The Internet of Things ecosystem is evolving at an incredible pace. This session will examine three emerging areas of Internet of

Things: Smart Cities, Health Care, and the Connected Home. Speakers will provide an interesting overview of the emerging opportunities and developments in these areas with focus on the state of the art and emerging applications.

Speakers:

Andy Castonguay, Machina Research

Phil Fritz, IBM

Mark Rolston, argodesign

Location: Shavano Peak

Fiber Deep

Whether considering fiber to the home solutions or just pushing fiber deeper using node + 0 architectures, the trend is clear...Fiber Deep. Is RFoG the best option for pushing fiber to the home, or is RFoG just one step in a progression toward digital optics (e.g., PON) and all-IP transport? Are there fiber distribution options available today that will make FTTH simpler in the future? What are the FTTH solutions in use today by cable operators? This panel will discuss views on economics, deployment challenges, operational advantages, and future technologies for pushing fiber deeper.

Moderator: Curtis Knittle, CableLabs

Speakers:

John Dickinson, Bright House

Guy McCormick, Cox

Peter Wolff, Time Warner Cable

Location: Red Cloud Peak

10:45 – 11:00 am BREAK

11:00 am – Noon CONCURRENT SESSIONS

Managing Services in the Home

Demands on home networks have been rapidly increasing in recent years due to the proliferation of connected devices and high bandwidth applications like streaming video. With the advent of cable operator-provided Wi-Fi gateways in the home, operators assume responsibility for their access points while customer's expectations of network performance and stability are significantly raised. The objective for this panel session is to clarify the challenges and available solutions for home networks, providing insight into testing, trials, deployment tools, new architectures, management tools, and operational optimization.

Moderator: Vikas Sarawat, CableLabs

Speakers:

Sam Heidari, Quantenna

Joseph Jensen, Block Communications

Clayton Wagar, Benu Networks

Location: Shavano Peak

Security Internet of Things

Refrigerators not only hold spam, they can send it too! More devices in and around the home are becoming Internet aware (thermostats, refrigerators, baby monitors, cars ...) allowing cable customers to do more online. As new devices become Internet aware, the companies developing these devices are not addressing how to protect users from online threats. This session will discuss the concerns of security on the Internet of Things.

Moderator: John Civiletto, Cox

Speakers:

Nancy Davoust, Comcast Mary Haynes, Charter Tyson Macaulay, McAfee

Location: Red Cloud Peak

Noon – 1:30 pm LUNCH

Location: Longs Peak Foyer

BIRDS OF A FEATHER TABLES

Location: Quandary Peak

DEMO FLOOR OPEN (until 6:45pm)

Location: Grays Peak & Longs Peak

1:30 – 2:30 pm KEYNOTE: PHIL MCKINNEY, President & CEO, CableLabs

Location: Shavano Peak & Red Cloud Peak

2:30 – 2:45 pm BREAK

2:45 – 3:45 pm CONCURRENT SESSIONS

The Future Content Ecosystem

We've entered a period of rapid innovation for video content formats that aim to provide a higher quality and a more compelling viewing experience for consumers. In addition to Ultra HD and 4K, new buzzwords in the industry, such as High Dynamic Range, Wide Color Gamut, and Color Bit Depth are being thrown around in hundreds of forums. What are these new advanced factors? How will they impact the consumer? When will they realistically happen? And, how will these technologies impact the cable ecosystem?

Moderator: Ed Shrum, Cox

Speakers:

Walt Husak, Dolby Ajay Luthra, ARRIS

Location: Shavano Peak

Agile Development

The need to bring new products to market faster, increasing customer expectations and the widespread availability of cloud services is driving agile adoption across cable operator software

development organizations. Join the session and listen to industry experts share their challenges, lessons learned, and expectations for the upcoming year related to agile software development.

Speakers:

Mark Bridges, CableLabs Rob Martell, Charter Jason Press, Comcast

Location: Red Cloud Peak

3:45 – 4:00 pm BREAK

4:00 – 5:00 pm CONCURRENT SESSIONS

Distributed CCAP™: Big MAC, Little MAC, or Have it Your Way?

Throughout telecom, service providers are moving the termination infrastructure closer to the customer and virtualizing network functions to increase performance, reduce cost, and efficiently scale their deployments. Will this trend manifest itself in the HFC Access Network? Advocates of different CCAP architectures will champion their cases.

Moderator: Jay Rolls, Charter

Speakers:

John Chapman, Cisco Tom Cloonan, ARRIS Samir Parikh, Gainspeed

Karthik Sundaresan CableLabs

Location: Shavano Peak

Business Services – New Technologies

This panel will explore three important technology trends supporting future cable business services growth. Federation of technology platforms will be explored through articulation of the state-of-the-art on interconnections, global reach and current technology gaps for the enablement of Ethernet services for larger businesses. The implications and opportunities presented from SDN/NfV for Cloud/Datacenter enablement and implications of private clouds and OT provider services. Additionally, future business communications will be presented as impacted by RTC (Real Time Communications) and service development/delivery platforms for RTC services role in shaping the future communications landscape discussed.

Moderator: Kurt Fennell, CableLabs

Speakers:

Nan Chen, MEF Pete Hicks, Charter Chris Wendt, Comcast

Location: Red Cloud Peak

4:45 – 6:45 pm RECEPTION & DEMONSTRATIONS

Location: Grays Peak & Longs Peak (demo floor)