

Track Sessions Monday, September 28, 2009 2:15 pm to 3:00pm

T-601-A – Advanced Network Design, Construction and Management

T-601-A – How to Prepare Your Network for the Next 20 Years – Dean Mischke, P.E., Finley Engineering
Level: Advanced

This presentation addresses the high level long term considerations of deploying a FTTH network while also providing insight into the various architectures, design, construction, implementation, operation and maintenance aspects of the actual deployment of FTTH networks providing the delivery of voice, data and video services.

Dean Mischke is the Vice President and General Manager of the Wisconsin Division for Finley Engineering where he manages all aspects of the department and client relations. Dean attended California State University receiving a Bachelor's of Science in Electronics and Electrical Engineering. Dean received his Professional Engineering License in 1994.

T-602-I – Advanced Network Design, Construction and Management

T-602-I - Deploying RFoG: Putting It All Together from Headend to OSP – John Homsey, Hitachi Communication Technologies America, Inc.
Level: Intermediate

Radio Frequency over Glass (RFoG) technology allows operators of RF or HFC networks to deliver services directly to their subscribers over a passive optical network. This presentation will examine the details of execution, including planning, network design, headend considerations, and ways to assure that the network will meet ROI objectives.

John is Sr. Director, Sales Engineering for Hitachi Telecom (USA), Inc. Previously he held key engineering positions at cable TV operator Cablevision, and for equipment manufacturers Motorola, Antec/Arris and Wave7 Optics. John holds an engineering degree from Wentworth Institution in Boston and a Masters in Project Management from Villanova University.

T-603-G – Advanced Network Design, Construction and Management

T-603-G – Rural Broadband- Deploying Stimulus Funding in Rural Areas with FTTH – David Stallworth, OFS
Level: General Audience

Most of America is rural yet very little research has been done on how to deploy FTTH in rural areas. This presentation discusses a design strategy for the three types of rural areas (clustered, sporadic, and sparse). Economical design techniques are discussed using the unique qualities of an optical splitter.

An honors graduate of UNC-Charlotte in 1972 in Electronics Engineering, David worked for BellSouth for 33 years and has two patents. He has performed consulting work at Camp Lejeune, NC, The Savannah River Nuclear Plant in SC, and is currently working for OFS in Atlanta in FTTH OSP design.

T-604-G – New Technology

T-604-G – The Energy Play-Bridging the Gap Between Telcos and Utilities – Mike Smalley, Carina Technology, Inc.
Level: General Audience

Independent telcos, one of the largest deployers of FTTH in the US, are often located in markets where service areas overlay those of rural electric cooperatives and municipals. Exploring a collaborative relationship utilizing new advances in technology and shared bandwidth can be the key to building the case for fiber.

Mike Smalley has more than 24 years experience within the energy and telecommunications industries making significant contributions to each through published articles, white papers, and speaking engagements. At Carina, Mike is the COO and VP Business Development where he is responsible for overseeing the direction of resources within the company.

T-605-I – New Technology

T-605-I – Simplifying RFoG Networks with a Two-way EDFA – Mark Cannata, IPG Photonics

Level: General Audience

The SCTE is developing a standard called Radio Frequency over Glass (RFoG) that standardizes the deployment of two-way SCM-based RF video over PON networks. A two-way Erbium Doped Fiber Amplifier (EDFA) simplifies RFoG network deployment by eliminating the need for external equipment to receive, combine, and transmit the upstream signal, and enabling future wavelength additions.

Mark Cannata is Director of Sales and Marketing for IPG Photonics Telecommunications products. Previously he served in a number of Access marketing and product management roles at Tellabs, Marconi, and RELTEC. Mark graduated from UT Austin in 1984 with a B.S.E.E. and has an MBA from the University of Dallas.