

Track Sessions Monday, September 28, 2009 8:00 am to 8:45 am

T-101-B – Advanced Network Design, Construction and Management

T-101-B – Best Practices: Using GIS to Study, Design, and Operate FTTP Systems -

Scott Bowles, Spectrum Engineering Corporation

Level: Beginner

This presentation will describe the benefits of incorporating Geographic Information Systems in a FTTP business. Several tangible examples will be demonstrated. GIS will be discussed as it relates to business planning, network planning, operations, maintenance, customer service, and design.

Mr. Bowles' experience includes planning, design, implementation, start-up and operation of FTTP systems from both business and engineering perspectives. Bowles has negotiated several win-win partnerships between municipals and the private sector. Scott is the President of Spectrum Engineering Corporation; a company specializing in Business Planning, Engineering, and Operations.

T-102-G – New Technology

T-102-G – Monetizing FTTH Networks with New Services/Video over FTTH - A Quick Tour -

Mark Carpenter & Jim Farmer, Enablence Networks

Level: General Audience

A quick-start guide for those needing to implement or improve a video service on FTTH, plus some ideas on social networking strategies to increase your value (and revenue) without burdening your Internet connection.

Mr. Carpenter is the Senior VP/GM of North American Markets with Enablence Systems, Pannaway President (2005-2008). 25 years experience across all aspects of networking and service delivery, spanning video headends, pioneering home networking and co-founding the HPNA, handheld wireless solutions and large scale Ethernet/IP networks.

Mr. Farmer was in cable television technology, 1972 - 2000, then FTTH as one of the founders of Wave7 Optics. Active in FTTH-C, SCTE, IEEE.

T-103-- Spanish Language Track

T-103 – Proyecto Benedictinos - Telefonica Chile Trial

Pedro Octavio Hidalgo Vergara, Telefonica Chile

Level:

Resumen ejecutivo del trabajo

Telefónica Chile, desplegó sus redes de acceso bajo un escenario de banda angosta. Sin embargo, sus principales competidores surgieron en los orígenes de la banda ancha, ello les permitió posicionarse en el mercado con una infraestructura de red de acceso con ventajas competitivas. Esta situación ha obligado a Telefónica a doblegar esfuerzo a un alto costo en el mejoramiento de su red de acceso, con la finalidad de acortar la brecha competitiva.

Tomando en consideración lo señalado precedentemente y teniendo en cuenta los requerimientos de banda ancha a mediano plazo (2 a 4 años más), es que Telefónica Chile tomó la decisión, primero de realizar proyectos pilotos en sectores bien acotados y posteriormente de realizar un proyecto en un área de central completa, con la finalidad de evaluar los reales beneficios de la incorporación de la fibra óptica hasta la casa del cliente.

Esta presentación tiene por finalidad mostrar los avances logrados a la fecha y los beneficios esperados para Telefónica por la incorporación de esta nueva tecnología.

Pedro Hidalgo Vergara Trabaja para Telefónica Chile, en la Dirección de Servicios de Red. En su trayectoria profesional, ha desempeñado funciones en la elaboración e implantación de planes estratégicos., Definición, planificación y evaluación de planes de inversión a corto y mediano plazo para la red de acceso (Redes de multipares, Fibra óptica, TV satelital, etc.). Optimización de procesos operativos. Desarrollo e implantación de sistemas de gestión para la operación en la red de acceso. Implantación de nuevas soluciones tecnológicas en la red de acceso.

Pedro Hidalgo V. es ingeniero Civil Industrial, Master of Business Administration (MBA), con 23 años de experiencias en la industria de las telecomunicaciones.

T-104-B- New Technology

T-104-B – Small Form Factor Outdoor Drop Cable -

Matt Fitzgerald, Corning Cable Systems

Level: Beginner

This paper and presentation will first cover the outdoor drop cable application, including a summary of the key product requirements for both dielectric and toneable cable options, installation and termination methods, and description of the first generation of drop cable designs.

Matt Fitzgerald is the loose tube and single tube product line manager for Corning Cable Systems in Hickory, N.C., where he has worked for 18 years. Prior to joining Corning, Matt served as an officer in the U.S. Navy. He has a Bachelor of Science degree in electrical engineering from Tulane University.

T-105-I - Success Stories

T-105-I – A Tale of Two Scenarios – Rural and Edge FTTH Strategies for Broadband Operators – Timothy Templeton, Sunflower Broadband

Level: Intermediate

Basic description of direct-feed and remote OLT architectures and their comparison as options for smaller market broadband operators that are targeting rural communities and edge areas adjacent to their current service areas.

Engineering Manager for Broadband and Broadcast Engineering and Operations. Responsible for strategic planning and architecture development and implementation, technical advisor for inside plant, and engineering and operations for KTKA-49 ABC in Topeka. Served the broadband industry for over 20 years as a consultant, service providers, and broadband equipment manufacturer.