

Call for Participation
The Eighth International Workshop on Optical Networking Technologies

Is FTTx Key to Optical Comeback?!

Monday, November 26, 2007
(Part of Globecom 2007, Washington D.C., USA)

A number of developments suggest that optical networking is making a comeback to service providers' networks, and many signs point to the access segment of these networks. Broadband access (wire-line and wireless), multimedia, Voice over Internet Protocol (VoIP), video streaming (conventional and high-definition) and IPTV are drivers thereto and are paving the way for new technology and service paradigms. Service providers, Telcos and Cable MSOs alike, are facing the challenge of triple play (delivering voice, data, and video to their customers) and optical access solutions are enabling them to do so.

Stretching fiber reach towards the last mile has always been an interesting option for the industry. However, this option was not cost effective until recently. Today, progress in optical technologies brought down the cost of many optical components, devices, and systems, which are instrumental for optical access. Meanwhile, bandwidth-hungry services and demand for triple-play delivery are changing the economics of optical access solutions, which is making a new case for FTTx. This acronym embraces a number of optical access technologies, such as Fiber To The Curb (FTTC), Fiber To The Node (FTTN), Fiber To The Building (FTTB), Fiber To The Home (FTTH), and Fiber To The Premises (FTTP).

Today, FTTx relies on Passive Optical Network (PON) and active Optical Ethernet (OE) architectures. In this workshop, we discuss FTTx and recent developments in the access domain. We examine the penetration of optical technologies into this segment of service providers' networks. All contributions which are focusing on technical, economic, business and market aspects of this topic are encouraged. Both industrial and academic contributions are solicited. Areas of interest include, but are not limited to, the following:

- FTTx versus xDSL
- PON versus active OE architectures
- Technical and economic challenges facing FTTx
 - o FTTx research issues
 - o Different FTTx solutions for different networks (telcos, MSO, and utilities)
 - o Issues for FTTx in various regions of the world (US, Europe, Asia, ... etc.)
- Impact of FTTx on IPTV
- Impact of FTTx deployment on metro and core networks, and on optical networking
 - o Deployment of ROADM and OXC
- Progress in enabling optical device technologies

This workshop is the eighth in an annual IEEE ComSoc series which has been associated with the IEEE ICC and Globecom conferences, i.e., the International Workshop on Optical Networking Technologies.

Interested authors should submit one-page abstract plus authors' bios (no more than 200 words per bio) electronically. Each submission should be consolidated in one pdf file which can be submitted either via the EADS system (Globecom 2007) or by e-mail (to telbawab@ieee.org). Submissions MUST capture the workshop theme as outlined above in order to be considered for this workshop. The deadline is 12:00 pm Eastern, September 3, 2007. Notification of acceptance will be sent around September 17, 2007. Final submissions, which are due on October 12, 2007, will comprise:

- 1) Short paper: Globecom style, but no more than 3 pages. (Microsoft Office Word file)
- 2) Power point presentation slides of the paper/talk
- 3) Presenter's bio.

Organizer & Chair:

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