

Dr. Stephen J. Trowbridge

Candidate for Chairman of ITU-T Study Group 15
Networks, Technologies and Infrastructures for Transport, Access and Home



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Current

Chairman, ITU-T Study Group 15 – November 2012 to present
Participant and contributor ITU-T TSAG (including its Rapporteur groups) and ITU-T Revcom with primary role as ITU-T Study Group 15 chairman.

Active technical contributor to ITU-T Q9/15, Q11/15, Q12/15, IEEE 802.3, OIF PLL standards
Member of editorial team of IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force,
Editor of OIF Flex Ethernet Implementation Agreement
Bell Labs Fellow (awarded 2014)

Standards Experience

ITU-T Experience

- Chairman, COM3, WTSA-2012, Dubai
- Vice Chairman ITU-T TSAG, convener of ad hoc group on working methods (2009-2012 Study Period). Co-editor IETF RFC6756 (corresponding to ITU-T A.sup3 (ITU-T/IETF collaboration guidelines)
- Chairman, ITU-T WP3/15, [Optical] Transport Network Structures (2001-2004, 2005-2008, and 2009-2012 study periods)
- Chairman, ITU-T WP 3/TSAG, Electronic Working Methods and Publication Policy (2005-2008 Study Period)
- Vice-Chairman, ITU-T Study Group 15 (2001-2004 and 2005-2009 Study Periods)
- Rapporteur, ITU-T Q.9/15, Transport Equipment and Network Protection (1997-2000 Study Period)
- Rapporteur, ITU-T Q.19/15, Network Protection (end of 2003-2006 Study Period)

Experience in other standards organizations

- Chairman, OPTXS-OHI/COAST-OHI, Optical Hierarchal Interfaces (2006-2014)
- Vice-Chairman, ATIS T1X1.5/OPTXS-OHI, Optical Hierarchal Interfaces (2004-2006)
- Member of IEEE P802.3ba Editorial Team (40Gb/s and 100Gb/s Ethernet) (2007-2010)
- Optical Internetworking Forum (OIF) – Editor of Multi-link Gearbox Implementation agreement
- Member IETF Sub-IP Directorate (2004-2006). Developed Liaison process for IETF to facilitate better communications (IETF RFC4053)

Industry Experience	<p>1977-Present Bell Laboratories (AT&T, Lucent Technologies, Alcatel-Lucent, Nokia)</p> <p>Consulting Member of Technical Staff</p> <ul style="list-style-type: none"> • ION (IP and Optical Networks) Standards Management • Central standards management • World-wide technical marketing support for optical networking products • Systems engineering, system architecture, and development for digital cross-connect systems, switching systems, voice mail systems, software tools, systems availability and reliability engineering • Systems engineering, system architecture, and development for digital cross connect systems and multiplexers
Example Recent Publications and conference presentations	<p>Short Course “New Developments in Optical Transport Networking”, OFC/NFOEC 2010-2016</p> <p>Co-convener <i>100G and Beyond in ITU-T and IEEE</i>, ECOC, Geneva, September 2011</p> <p><i>Scaling the P802.3ba and G.709 Architectures</i>, Joint ITU-T/IEEE Workshop on The Future of Ethernet Transport, May 2010, Geneva</p> <p>Chapter Author for <i>Optical Networking Standards</i>, Khurram Kazi, ed., Springer 2006</p> <p><i>High-Speed Ethernet Transport</i>, IEEE Communications Magazine, December 2007</p> <p><i>High-Speed Ethernet Transport</i>, Light Reading Optical Expo, October 2007, Dallas</p> <p><i>ITU-T Activities on Ethernet Networking</i>, joint ITU-T/IEEE workshop, May/June 2007, Geneva</p> <p>Session 2 intro and summary, joint ITU-T/IEEE workshop, May/June 2007, Geneva</p> <p>Standards Panel at MPLS-con 2006, Washington</p>
Education	<p>Ph.D. Computer Science, University of Colorado at Boulder, 1979</p> <p>M.S. Computer Science, University of Colorado at Boulder, 1977</p> <p>B.S. Electrical Engineering and Computer Science, University of Colorado at Boulder, 1976</p>