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Hubert MARIOTTE

Objective

Candidate for Vice-Chairman, ITU-T Study Group 15

Motivation

Since 2000, I am involved in standardization activities in the field of copper access technologies. For the next study period, I am committed to provide my technical and management experience to SG15 and to contribute to the ITU-T work on optical transport networks and access network infrastructures in order to maintain and reinforce the role of SG15 as well as its worldwide position and influence.

Standards experience

Experience in ITU-T

- 2013-2016 Study Period: Vice-Chairman of ITU-T WP1/15
- 2009-2012 Study Period: Associate Rapporteur of ITU-T Q4a/15 (Broadband access over metallic conductors), Q4b/15 (Broadband in-premises networking) and Q4c/15 (Communications for Smart Grid)

Experience in other standards organizations

- Contributor to ETSI TM6 and BBF

Industry experience

- 1999-Present Orange Labs

Publications, conferences, patents

- Patents
 - Method and a device for reducing the electricity consumption associated with a communications line, 2009
 - Method and system for increasing the rate capacity of at least one subscriber line, 2005
 - Impedance adapter for a high-bandwidth transmission channel of a copper-wired terminal system, 2003
 - Filtering device, for high speed modem in alternate mode, operating as isolator or adapter, 2002
- Publications
 - PLC-to-DSL Interference: Statistical Model and Impact on DSL, IEEE JSAC Special Issue on Power Line Communications and its Integration with the Networking Ecosystem, 2016
 - The impact of PLC-to-DSL interference on VDSL2, Vectored VDSL2, and G.fast, ISPLC 2015
 - Statistical modeling of PLC-to-DSL interference, ISPLC 2015, Best Paper
- Conferences
 - FTTdp G.fast across Orange Networks, UFBB 2015
 - FTTdp potentialities in Orange Network, BBWF 2014
 - Assessing the impact of G.fast, BBWF 2014
 - Fiber to the distribution point (FTTdp) architecture for single user based on hybrid fiber and copper scheme, OFC/NFOEC, 2013
 - Introducing G.fast: A technical viewpoint, DSL Acceleration 2013
 - Fiber To The distribution point (FTTdp) architecture for Single User based on hybrid fiber and copper scheme, Future Network and Mobile Summit (FutureNetworkSummit), 2013
 - Advanced Line Quality Management, DSL Seminar 2011



- Others
 - Orange technical manager for 4GBB Celtic Project that received the Excellence Award 2013 and the Innovation Award 2014
 - Orange technical manager for HFCC/G.fast Celtic Project that received the Competitiveness Eureka Innovation Award 2016

Education

- PhD Electronics, Universite de Bretagne Occidentale (France), 1995