

LIST OF PUBLICATIONS

REFERRED JOURNAL

- [1] A. Hadjiantonis, A. Khalil, M. A. Ali, H. Chamas, W. Bjorkman, S. Elby G. Ellinas and N. Ghani, **“Traffic Engineering for a Converged Layer 1-2: An All-Ethernet Global Multi-Service Infrastructure”**, to appear on the Special Issue on “Traffic Engineering for Multi-Layer Networks” of the IEEE Journal on Selected Areas in Communication (JSAC), June 2007.
- [2] A. Khalil, A. Hadjiantonis, C. Assi, A. Shami, G. Ellinas and M. A. Ali, **“Dynamic Provisioning of Low-Speed Unicast/Multicast Traffic Demands in Mesh-Based WDM Optical Networks”**, Journal of Lightwave Technology, Volume 24, Issue 2, Feb. 2006, Pages 681–693.
- [3] S. Sherif, A. Hadjiantonis, G. Ellinas, C. Assi and M. Ali **“A Novel Decentralized Ethernet-Based PON Access Architecture for Provisioning Differentiated QoS”**, Journal of Lightwave Technology, Volume 22, Issue 11, Nov. 2004, Pages 2483 – 2497.

INTERNATIONAL CONFERENCES

- [4] A. Hadjiantonis, M. A. Ali, H. Chamas, W. Bjorkman, S. Elby, G. Ellinas and N. Ghani, **“Real-Time Provisioning of Diverse Granularity EVCs in an ‘All-Ethernet Global Multi-Service Infrastructure’”**, the proceedings of the IEEE GLOBECOM, Nov. 27th – Dec. 1st, San Francisco, California, USA.
- [5] A. Hadjiantonis, M. A. Ali, H. Chamas, W. Bjorkman, S. Elby and N. Ghani, **“An Integrated Signaling Framework for Dynamically Provisioning Diverse Granularity EVC Over Optical Layer”**, High Speed Networking Workshop: The Terabit Challenge, Session 1: Optical Networks, IEEE INFOCOM 2006 23-29 April, 2006, Barcelona, Spain.
- [6] M. A. Ali, A. Hadjiantonis, H. Chamas, W. Bjorkman and S. Elby, **“On the Vision of Implementing a Truly Native Ethernet-Based Global Multi-Service Infrastructure”**, IEEE INFOCOM 2006 Poster and Demo Session, 23-29 April 2006, Barcelona, Spain.
- [7] A. Khalil, A. Hadjiantonis, G. Ellinas and M. A. Ali **“Sequential and Hybrid Grooming Approaches for Multicast Traffic in WDM Networks”**, the proceedings of IEEE GLOBECOM, Dallas, USA, Nov. – Dec. 2004.
- [8] A. Hadjiantonis, S. Sherif, A. Khalil, T. Rahman, G. Ellinas, M. Arend, M. A. Ali, and A. Shami **“A Novel Decentralized Ethernet-Based PON Architecture”**, the proceedings of IEEE ICC2004, Paris, France, 20-24 June 2004, paper ON06-8.
- [9] M. A. Ali, A. Hadjiantonis, A. Khalil, G. Ellinas and K. Bergman **“Transportation & Switching of Native Ethernet Frames Across MPLS/GMPLS Managed and Controlled Optical Data Networks”**, (invited), the proceedings of the 17th Annual Meeting of the Lasers and Electro-Optics Society, 2004. LEOS 2004. 7-11 Nov. 2004 Pages 713 – 714, Volume 2.

- [10] A. Hadjiantonis, A. Khalil, G. Ellinas and M. A. Ali “***A Novel Optical Layer-Based Restoration Approach for IP-Over-WDM Networks***”, (invited), the proceedings of the 16th Annual Meeting of the Lasers and Electro-Optics Society, 2003. LEOS 2003. 27-28 Oct. 2003 Pages 959 – 960, Volume 2.
- [11] A. Khalil, A. Hadjiantonis, G. Ellinas and M. A. Ali “***A Hybrid Provisioning Approach For Multicast Traffic Grooming in WDM Mesh Networks***”, the proceedings of the 30th European Conference on Optical Communication (ECOC), Stockholm, Sweden, Sept. 2004.
- [12] A. Hadjiantonis, A. Khalil, G. Ellinas, N. Abdellatif, J. Moghaddasi and M. A. Ali “***A Hybrid Approach For Provisioning Sub-Wavelength Requests in IP-over-WDM Networks***”, the proceedings of the IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Niagara Falls, Ontario, Canada, 2-5 May 2004, Pages 2293 – 2296, Volume 4.
- [13] A. Hadjiantonis, A. Khalil, N. Abdellatif, J. Moghaddasi and M. A. Ali “***Interchanging the Search Space Between the Logical and Physical Layers in Future IP Optical Networks***”, the proceedings of the International Conference on Communication, Network, and Information Security (CNIS), Uniondale, New York, December 10-12, 2003.
- [14] A. Khalil, A. Hadjiantonis, N. Abdellatif, J. Moghaddasi and M. A. Ali “***Dynamic Routing of ‘Sub-Wavelength’ Connections in IP/MPLS over WDM Networks***”, the proceedings of the International Conference on Optical Communication Systems and Networks (OCSN 2004), Banff, AB, Canada, July 2004.
- [15] A. Khalil, A. Hadjiantonis, G. Ellinas and M. A. Ali “***Pre-planned multicast protection approaches in WDM mesh networks***”, 31st European Conference on Optical Communications 2005 (ECOC 2005), 25-29 Sept. 2005, Pages:25 – 26, vol.1
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- [18] A. Khalil, A. Hadjiantonis, G. Ellinas and M. A. Ali “***A Novel IP-Over-Optical Network Interconnection Model for the Next-Generation Optical Internet***”, the proceedings of IEEE Global Telecommunications Conference, 2003. GLOBECOM '03, 1-5 Dec. 2003 Pages 3984 – 3989, Volume 7.
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- [20] A. Hadjiantonis, I. Mitchell, F. Moshary and S. Ahmed ***“Population dynamics in Er^{3+} - Yb^{3+} Co-Doped Phosphate Glass - Part II”***, supplemental report, part of the private communication between Dupont and the City College of New York, August 2001.
- [21] A. Hadjiantonis and K. Oikonomou ***“Solving an Optimal Network Routing Problem Using the Parallel Virtual Machine”***, internal ATT report, August 2000.