

PUBLICATION LIST FOR JAMES A. WALKER (through Jan. 2006)

(Not Comprehensive)

Telecommunications Networks

1. "Next Gen3: Looking Three Years Down the Road," Panel presentation at Lehman Brothers – T3 Telecom Trends and Technology Conference, December 5-8, 2001, Orlando, FL, (2001).
2. "Network Control and Management Challenges in Opaque Networks Utilizing Transparent Optical Switches," Ellinas, Labourdette, Walker, Chaudhuri, Lin, Goldstein, and Bala, *IEEE Communications Magazine*, Vol. 42, No. 2, Feb. 2004, pp. 16-24.
3. "Transparent Optical Switches: Technology Issues and Challenges," G. Ellinas, J. Labourdette, J.A. Walker, S. Chaudhuri, L.Y. Lin, E.L. Goldstein, and K. Bala, *Annual Review of Communications for the International Engineering Consortium (IEC)*, Dec. 2003.

MEMS in Communications Networks

1. "MEMS for optical communication: reality and perspective," S. Park, L. Y. Lin, S. Lee, P. Chu, C. Pu, E. Goldstein, and J. Walker, (Invited), *Annual Meeting of the Optical Society of America*, Optical Society of America, Orlando, FL, September 2002, paper TUV2.
2. "MEMS for optical communication: present and future," C. Pu, L. Y. Lin, S. S. Lee, S. Park, P. B. Chu, E. L. Goldstein and J. Walker, (Invited), *International Symposium on The Convergence of Information Technologies and Communications (ITCom)*, International Society of Optical Engineering, Boston, MA, August 2002.
3. "Micromachines for networking at the optical layer: What is their value and when will they deliver?" K. Bergman, N. Bonadeo, I. Brener, J. Brown, T. Chau, S. Chaudhuri, M. Chou, P. Chu, J. Dadap, R. Doran, G. Ellinas, S. Fedorczyk, R. Gibson, E. Goldstein, R. Harel, J. Huang, J. Johnson, J. Labourdette, D. Lee, S. Lee, L. Lin, D. Lin, S. Park, D. Peale, C. Pu, B. Tang, D. Tong, M. Tsai, Y. Verma, J. Walker, C. Wu, W. Zhong, (Invited), *Proceedings of the Seventh Opto-Electronics and Communications Conference (OECC 2002)*, Yokohama, Japan, July 2002.
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6. "Big Applications in Small Tech.," J.A. Walker, *panel discussion in Small Tech 2001*, Washington, D.C., Sept. 18-21, 2001.
7. "MEMS Technology in Optical Layer Networks," J.A. Walker, L.Y. Lin, E. Goldstein, (Invited), *Electronic Components and Technologies Conference*, May 29-June 1, 2001, Orlando, FL.
8. "Optical MEMS for Telecommunications," J.A. Walker, (Invited), *OSA Summer Topical Session on Optical Interference Coatings*, July 12-20, 2001, Banff, Alberta, Canada.

9. "Telecommunications Applications of MEMS," Walker, *MicroSystems Technology News (mstnews)* June 2000, pp. 6-10, (2000).
10. "The future of MEMS in communications networks," Walker, *J. Micromechanics and Micro engineering*, Feb. 5, 2000, (2000)
11. "Fabrication of a mechanical anti-reflection switch for FTTH systems," J.A. Walker, K.W. Goossen, and S.C. Arney, *IEEE J. of Micromechanical Systems*, Vol. 5, pp. 45-49, (1996).
12. "1.5 Mb/s operation of a MARS device for communications systems applications," J.A. Walker, K.W. Goossen, S.C. Arney, N.J. Frigo, and P.P. Iannone, *IEEE J. Lightwave Tech*, Vol. 14, pp. 2382-2386, (1996).
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