

POLYGUIDE™ / GUIDELINK™ RELATED PUBLICATIONS as of 12/14/04

B.L.Booth; "Optical Waveguide and Fiber Array Connectivity and Packaging Solutions" invited paper presented at the Optoelectronics Device Packaging Topical Workshop and Exhibition sponsored by International Microelectronics and Packaging Society (IMAPS), Radisson Hotel, Bethlehem, PA October 11 -14, 2004; proceedings to be published.

B.L.Booth, Optical CrossLinks, Inc., "Polymer Waveguides as Optical Interconnect Technology", presentation 14th Annual Workshop on Interconnections Within High-Speed Digital Systems, sponsored by IEEE Lasers and Electro-Optics Society, Santa Fe, NM, May 4-6, 2003.

B.L.Booth, Optical CrossLinks, Inc., "Packaging Issues for Polymer Waveguide Applications", presentation 2002 US Systems Workshop, IEEE; Raleigh, NC, May 16, 2002.

J.T. Gallo, J.L.Hohman, B.P.Ellerbusch, R.J.Furmanak, L.M.Abbott, D.M.Graham, C.Z.Schuetz, and B.L.Booth, Optical CrossLinks, Inc., "High-Density Interconnects for 2-Dimensional VCSEL Arrays Suitable for Mass Scale Production" presentation IT Com 2001, Denver, CO. August 2001, paper 4532-47.

B.E.Lemoff, L.B.Aronson, L.A.Buckman, "SpectraLan: A Low-Cost Multiwavelength Local Area Network", The Hewlett-Packard Journal, Vol. 48 No.5, December 1997, p.42-52.

K.H.Hahn, K.S.Giboney, R.E.Wilson, J.Straznicky, "Gigabyte-per-Second Optical Interconnection Modules for Data Communications", The Hewlett-Packard Journal, Vol. 48 No.5, December 1997, p. 53-61.

B. L. Booth, "Optical Communication Technology Challenges for Polymeric Integrated Optic Waveguide Circuitry", Americal Vacuum Society (AVS) meeting presentation conference abstract, October 20-23, 1997, San Jose, California.

R. Nagaraajan, W.J. Sha, B.Li, P. Braid, SDL Inc.; R.J.Furmanak, J.E. Marchegiano, B.L.Booth, DuPont; "10-Channel, 1 Gb/s, Parallel Fiber-Optic Data Link Using 980 nm Edge Emitting Laser Diode Arrays", SPIE '97 High-Speed Semiconductor Lasers for Communications Conf., paper 3038-23.

K. S. Giboney, "Parallel-Optical Interconnect Development at HP Laboratories," SPIE Optoelectronic Interconnects and Packaging IV, paper 3005-26, Feb. 13, 1997.

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L.B. Aronsos, B.E. Lemoff, L. Buckman, D.W. Dolphi, Hewlett-Packard, paper (untitled as of this paper) submitted to OFC97' postdeadline session on an LAN WDM design using Polyguide™

D. Israel, PhD. Thesis "Study of Optical Interconnection Networks based on Multimode Polymer Waveguides" Universiteit Gent, Belgium 1996-1997.

J.R. Rowlette, Sr., M. Kadar-Kallen, and J. Stack, "Laser Micromachining of Polymer Waveguides for Low Cost Passive Alignment to VCSELs", presented at LEOS96 9th annual meeting, November 18-21, 1996, Boston, MA. (p. 53 of advance program).

K. H. Hahn, K. S. Giboney, R. E. Wilson, J. Straznicky, E. G. Wong, M.R. Tan, R. T. Kaneshiro, D. W. Dolfi, E. H. Mueller, A. E. Plotts, D. D.Murray, J. E. Marchegiano, B. L. Booth, B. J. Sano, B. Madhavan, B.Raghavan, and A. F. J. Levi, "Gigabyte/s Data Communications with the POLO Parallel Optical Link," in 1996 IEEE Proceedings of 46th Electron. Compon. & Technol. Conf., pp. 301-307, May 28-31, 1996.

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J.E.Marchegiano, B.L.Booth, C.T.Chang, R.J.Furmanak, D.M.Graham, R.M.Yohannan, "Polyguide™ Technology for Passive Optical Interconnects" , PhotonicsWest, OE/Lase '96, Conference Proceedings, San Jose, California, January 27 - February 2, 1996.

D. Israel, R.Baets, M.J. Goodwin, N. Shaw, M.D. Salik, C.J.Groves-Kirkby, "Comparison of different polymeric multimode star couplers for backplane optical interconnect", Journal of Lightwave Technology, vol.13, pp. 1057-1064,1995.

K.H.Hahn, "POLO - Parallel Optical Links for Gigabyte/s Data Communication" , IEEE Lasers and Electro-Optics Society 1995 Annual Meeting, Conference Proceedings, October 30- November 2, 1995, p.228.

B. L. Booth, "Polymer Waveguides for Optical Interconnects" , Invited Paper in Optical Data Links Symposium at annual meeting of Optical Society of America (OSA), September 10 - 15, 1995, Portland, Oregon.

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J. Eric Thomson, H. Levesque, E. Savov, F. Horwitz from DEC; B. L. Booth, J. E. Marchegiano from Du Pont, "Optical Waveguide Circuit Board with a Surface-Mounted Optical Receiver Array", Optical Engineering, March, 1994.

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B. L. Booth, Invited ACS workshop presentation, "Polymeric Optical Interconnects", Workshop title: "Materials Technology for Competitive Advantage", St. Petersburg, Florida, 11/21/93

D. Israel, R. Baets, N. Shaw, M. J. Goodwin, "Study of multimode waveguide bends for backplane optical interconnect", Technical Digest MOC/GRIN '93, Kawasalo, Japan, 1993.

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