

Polarization Modulator Research

- S. Bigo and G. Charlet. Technical challenges of 40 Gbit/S in WDM submarine transmission. *Alcatel Telecommunications Review*, (3):211–215, 2005.
- A.L.C.F. Bucholtz. Chromatic dispersion effects in analog polarization-modulated links. *Appl. Opt.*, 45:2742–2748, 2006.
- JD Bull, TE Darcie, J. Zhang, H. Kato, and NAF Jaeger. Broadband class-AB microwave-photonic link using polarization modulation. *IEEE Photonics Technology Letters*, 18(9):1073–1075, 2006.
- A.L. Campillo. Interchannel nonlinear crosstalk in analog polarization modulated WDM systems. *Journal of Lightwave Technology*, 24(3):1186, 2006.
- A.L. Campillo. Orthogonally polarized single sideband modulator. *Optics Letters*, 32(21):3152–3154, 2007.
- G. Charlet, R. Dischler, A. Klekamp, P. Tran, H. Mardoyan, L. Pierre, W. Idler, and S. Bigo. WDM bit-to-bit alternate-polarisation RZ-DPSK transmission at 40×42.7 Gb/s over transpacific distance with large Q-factor margin. In *Eur. Conf. Optical Communication, Stockholm, Sweden, Postdeadline Paper Th4*, volume 4, 2004.
- G. Charlet, H. Mardoyan, P. Tran, A. Klekamp, M. Astruc, M. Lefrancois, and S. Bigo. Upgrade of 10 Gbit/s ultra-long-haul system to 40 Gbit/s with APol RZ-DPSK modulation format. *Electronics Letters*, 41(22):1240–1241, 2005.
- TE Darcie, R. Paiam, A. Moye, JD Bull, H. Kato, and N. Jaeger. Intensity-noise suppression in microwave-photonic links using polarization modulation. *IEEE Photonics Technology Letters*, 17(9):1941–1943, 2005.
- AH Gnauck, J. Leuthold, C. Xie, I. Kang, S. Chandrasekhar, P. Bernasconi, C. Doerr, L. Buhl, J. Bull, N. Jaeger, et al. 6×42.7 -Gb/s transmission over ten 200-km EDFA-amplified SSMF spans using polarization-alternating RZ-DPSK. In *Optical Fiber Commun. Conf., Los Angeles, CA*, 2004.
- T. Healy, F.C. Garcia Gunning, A.D. Ellis, and J.D. Bull. Multi-wavelength source using low drive-voltage amplitude modulators for optical communications. *Optics Express*, 15(6):2981–2986, 2007.

- M. Lefrancois, G. Charlet, and S. Bigo. Impact of very large cumulated dispersion on performance of 40 Gbit/s submarine systems over nonzero dispersion shifted fibres. *Electronics Letters*, 42(3):174–176, 2006.
- BN Pathak and DS Levy. Novel tone-like polarization modulation-based encoding method experimental demonstrated on a 10 G data channel over 130 Km. In *Optical Fiber Communication Conference, 2006 and the 2006 National Fiber Optic Engineers Conference. OFC 2006*, page 3, 2006.
- Q. Wang and J. Yao. Multitap Photonic Microwave Filters With Arbitrary Positive and Negative Coefficients Using a Polarization Modulator and an Optical Polarizer. *IEEE Photonics Technology Letters*, 20(2):78–80, 2008.
- J. Yao and Q. Wang. Photonic microwave bandpass filter with negative coefficients using a polarization modulator. *IEEE Photonics Technology Letters*, 19(9):644–646, 2007.
- J. Zhang, JD Bull, and TE Darcie. Microwave photonic signal detection using phase-matched optical rectification in an AlGaAs waveguide. *IEEE Photonics Technology Letters*, 19(24):2012–2014, 2007.