

Publications

- (1) R. E. Schuh, E. S. R. Sikora, N. G. Walker, A. S. Siddiqui, L.M. Gleeson, D. H. O. Bebbington, "Theoretical analysis and measurement of the effects of fibre twist on the differential group delay of optical fibres," *Electron. Lett.* vol. 31, pp. 1772-1773, 1995.
- (2) R.E. Schuh, J. G. Ellison, L.M. Gleeson, E. S. R. Sikora, A. S. Siddiqui, N. G. Walker, D. H. O. Bebbington, "Theoretical analysis and measurement of the effect of fibre twist on the polarisation OTDR of optical fibres," *OFC'96*, FA5, San Jose, 1996.
- (3) R.E. Schuh, J. G. Ellison, AS Siddiqui, D. H. O. Bebbington, "Polarisation OTDR measurements and theoretical analysis on fibres with twist and their implications for estimation of PMD," *Electron. Lett.* vol. 32, pp. 387-388, 1996.
- (4) R. E. Schuh and A. S. Siddiqui, "Measurement of SOP evolution along a linear birefringent fibre with twist using polarisation OTDR," *NIST/IEEE/OSA Symposium on Optical Fibre Measurements*, Boulder, USA, pp. 159-162, 1996.
- (5) D. H. O. Bebbington, J. G. Ellison, R. E. Schuh, X. Shan, A. S. Siddiqui, S. D. Walker, "A polarimetric optical time domain reflectometer," *Proceed. IOP conference on Applied Optics and Opto-Electronics*, Post deadline paper, PD 2, Reading, September 18, 1996.
- (6) D. H. O. Bebbington, J. G. Ellison, R. E. Schuh, X. Shan, A. S. Siddiqui, S. D. Walker, "Fully Polarimetric Optical Time Domain Reflectometer with one meter Spatial Resolution," *OFC'97*, WL24, pp. 185-186, 1997.
- (7) R. E. Schuh, A. Altuncu, X. Shan, A. S. Siddiqui, "Polarisation mode dispersion in distributed erbium doped fibres for ultrahigh bit rate long haul soliton transmission," *First International Conference on polarisation effects in laser and spectroscopy*, Toronto, Canada, 26-28 May 1997.

- (8) R. E. Schuh, A. Altuncu, X. Shan, A. S. Siddiqui, "Measurement and theoretical modelling of polarisation mode dispersion in distributed erbium doped fibres," To be presented at the 23rd European Conference on Optical Fibre Communications, *ECOC'97*, 22-25 September 1997, Edinburgh, UK.
- (9) R. E. Schuh, X. Shan, A. S. Siddiqui and E. S. R. Sikora, "Measurement and analysis of PMD in spun fibres with different linear birefringence and spinning parameters," 4th *Optical Fibre Measurement Conference, OFMC'97*, NPL, Teddington, UK, 29th Sep.- 1st Oct. 1997.
- (10) R. E. Schuh and A. S. Siddiqui, "A single channel polarimetric OTDR for the measurement of the backscattered SOP evolution along a fibre with twist," Submitted to *Electron. Lett.*, 28.08.1997.
- (11) R. E. Schuh, A. S. Siddiqui, X. Shan, J. G. Ellison and D. H. O. Bebbington, "A novel simple polarisation OTDR technique to detect fibre sections with and without twist," Submitted to *International Journal of Optoelectronics*, 29.08.1997.
- (12) R. E. Schuh, X. Shan and A. S. Siddiqui, "Polarisation mode dispersion in spun fibres with different linear birefringence and spinning parameters," Submitted to *Journal of Lightwave Technology*, 29.8.1997.
- (13) R. E. Schuh, X. Shan, A. Altuncu, A. S. Siddiqui, "Polarisation mode dispersion in distributed erbium doped fibres," Submitted to *Photonics Technology Letters.*, 26.9.1997.