
PAPERS

Networks

- Buffered Fixed Routing: A Routing Protocol for Real-Time Transport in Grid Networks *J. Song and S. Bahk* 757
- Coherent Optical CDMA (OCDMA) Systems Used for High-Capacity Optical Fiber Networks-System Description, OTDMA Comparison, and OCDMA/WDMA Networking *W. Huang, M. H. M. Nizam, I. Andonovic, and M. Tur* 765

Systems

- Performance Verification of a Variable Bit-Rate Limiter for On-Off Keying (OOK) Optical Systems *Y.-G. Wen, L.-K. Chen, K.-P. Ho, F. Tong, and W.-S. Chan* 779

Fibers

- A New Lensed-Fiber Configuration Employing Cascaded GI-Fiber Chips.....*K. Shiraishi and S.-I. Kuroo* 787

Sensors

- The Directionality of an Optical Fiber High-Frequency Acoustic Sensor for Partial Discharge Detection and Location *Z. Zhiqiang, M. MacAlpine, and M. S. Demokan* 795

Integrated Optics/Optoelectronics

- PLZT Film Waveguide Mach-Zehnder Electrooptic Modulator *G. H. Jin, Y. K. Zou, V. Fuflyigin, S. W. Liu, Y. L. Lu, J. Zhao, and M. Cronin-Golomb* 807
- Temperature Determination in Optoelectronic Waveguide Modulators *M. Allard, R. A. Masut, and M. Boudreau* 813

Active Components

- Fiber-Optic Code Division Add-Drop Multiplexers*J. Wu and C.-L. Lin* 819
- Room Temperature Multifrequency Erbium-Doped Fiber Ring Lasers Anchored on the ITU Frequency Grid *A. Bellemare, M. Karásek, M. Rochette, S. LaRochelle, and M. Têtu* 825
- An Adaptive First-Order Polarization-Mode Dispersion Compensation System Aided by Polarization Scrambling: Theory and Demonstration *H. Y. Pua, K. Peddanarappagari, B. Zhu, C. Allen, K. Demarest, and R. Hui* 832
- Reduction of Fiber Alignment Shifts in Semiconductor Laser Module Packaging..... *W.-H. Cheng, M.-T. Sheen, C.-P. Chien, H.-L. Chang, and J.-H. Kuang* 842

Theory

- Mode Classification in Cylindrical Dielectric Waveguides.....*A. Kapoor and G. S. Singh* 849
- Effects of the Nature of the Starting Population on the Properties of Rugate Filters Designed with the Genetic Algorithm..... *P. L. Swart, A. P. Kotzé, and B. M. Lacquet* 853
- General IIR Optical Filter Design for WDM Applications Using All-Pass Filters *C. K. Madsen* 860
- Theoretical Investigation on the Dispersion of Graded-Index Polymer Optical Fibers..... *G. Yabre* 869
- General Eigenvalue Equations for Optical Planar Waveguides with Arbitrarily Graded-Index Profiles *M.-S. Chung and C.-M. Kim* 878

CALLS FOR PAPERS

- JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS on Semiconductor Lasers..... 886
- JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS on Lasers in Medicine and Biology..... 887
- JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS on Specialty Optical Fibers 888
- Instrumentation and Measurement Technology Conference (IMTC) 2001 889
- IEEE International Conference on Microelectronic Test Structures..... 890
- Fifth High Frequency Postgraduate Student Colloquium 891

ANNOUNCEMENTS

- LEOS Members—Free Electronic Access via OPERA 892
- LEOS 2000—13th Annual Meeting of the IEEE Lasers and Electro-Optics Society 893
- The 2nd IEEE Optoelectronics and Photonics Assembly, Packaging and Manufacturing Workshop..... 894
- 2000 IEEE GaAs IC Symposium 895
- OSA—Advancing the Science of Light 896
-