References

- S. Baqai, M. F. Khan, and A. Ghafoor. Multimedia communications. In W. I. Grosky, R. Jain, and R. Mehrotra, editors, The Handbook of Multimedia Information Management. Prentice-Hall, 1997.
- [2] P. B. Berra, C. Y. R. Chen, A. Ghafoor, C. C. Lin, T. D. C. Little, and D. Shin. Architecture for distributed multimedia database systems. Computer Communication (Special on Multimedia Communication), 13(4):217-231, April 1990.
- [3] B. Bhargava, S. Li, S. Goel, C. Xie, and C. Xu. Performance studies for an adaptive video-conferencing system. In Proceedings of the International Conference on Multimedia Information Systems (MULTIMEDIA 96), pages 106-116, 1996.
- [4] J.-Y. Chen, C. Taskiran, E. J. Delp, and C.A. Bouman. Vibe: A new paradigm for video database browsing and search. In Proceedings of the 1998 IEEE Workshop on Content-Based Access of Image and Video Database, June 21, 1998.
- [5] S. Chen and K. Park. A distributed protocol for multi-class QoS provision in noncooperative many-switch systems. In Proc. IEEE International Conference on Network Protocols, pages 98-107, 1998.
- [6] S. Chen and K. Park. An architecture for noncooperative QoS provision in many-switch systems. To appear in Proc. IEEE INFOCOM '99, 1999.
- [7] Y-T. Chen, R. L. Kashyap, and A. Ghafoor. Data placement for large read-only interactive multimedia information systems on multi-disk environment. In Proc. of the SPIE/IS&T Symposium on Electronic Imaging Science and Technology, Conference on Storage and Retrieval for Image and Video Database, January 1993.
- [8] R. L. Cruz. Quality of service guarantees in virtual circuit switched networks. IEEE J. Select. Areas Commun., 13(6):1048-1056, 1995.
- [9] A.K. Elmagarmid, M. Rusinkiewicz, and A. Sheth, editors. Management of Heterogeneous and Autonomous Database Systems. Morgan Kauffmann Press, 1998.
- [10] C. M. Fiduccia and R. M. Mattheyses. A Liner-Time Heuristic for Improving Network Partitions. In Proceedings of the 19th ACM/IEEE Design Automation Conference DAC 82, pages 175-181, 1982.
- [11] D. Le. Gall. Mpeg: A video compression standard for multimedia applications. Commun. of ACM, 34(4):46-58, April 1991.
- [12] H. Jiang and A. K. Elmagarmid. Spatial and temporal content-based queries in hypervideo databases. Special Issue on Multimedia Data Management, The Very Large Database Journal, 1998.
- [13] H. Jiang and A. K. Elmagarmid. Wvtdb a web-based videotext database system. IEEE Transactions on Data and Knowledge Engineering, November 1998.
- [14] H. Jiang, A. Helal, A. K. Elmagarmid, and A. Joshi. Scene change detection techniques for video database systems. Journal of ACM Multimedia Systems, 1998.
- [15] T. Johnson and S. Prabhakar. Tape group parity protection. In Proceedings of the 16th IEEE Symposium on Mass Storage Systems, San Diego, CA, March 1999.
- [16] M. F. Khan and A. Ghafoor. Design and evaluation of disk-scheduling policies for high-demand multimedia servers. To appear in the Proceedings of IEEE International Conference on Data Engineering, Sydney, Australia, March 1999.
- [17] W.E. Leland, M.S. Taqqu, W. Willinger, and D.V. Wilson. On the self-similar nature of Ethernet traffic (extended version). IEEE/ACM Transactions on Networking, 2:1-15, 1994.
- [18] Shunge Li and Bharat Bhargava. Active Gateway: A Facility for Video Conferencing Traffic Control. In Proceedings of COMPSA C'97, Washington, D.C., pages 308-311. IEEE, August 1997.
- [19] T. D. C. Little and A. Ghafoor. Network consideration for distributed multimedia object composition and communication. IEEE Network (Special Issue on Distributed Applications for Communications), 4(6):32-49, November 1990.
- [20] T. D. C. Little and A. Ghafoor. Spatio-temporal composition of distributed multimedia objects for value-added networks. IEEE Computer (Special issue on Multimedia Information System), 24(10):42-50, October 1991.
- [21] T.D.C. Little and A. Ghafoor. Multimedia synchronization protocols for broadband integrated services. IEEE Journal on Selected Areas in Communications, 9(9):1368-1382, December 1991.
- [22] G. Louchard and W. Szpankowski. On the average redundancy rate of the lempel-ziv code. IEEE Trans. Information Theory, 43(2-8), 1997.
- [23] B. Özden, R. Rastogi, and A. Silberschatz. A disk-based storage architecture for movie on demand servers. Information Systems, Special Issue on Multimedia Information, 20(6):465-482, 1995.
- [24] A. Parekh and R. Gallager. A generalized processor sharing approach to flow control in integrated services networks: the multiple node case. IEEE/ACM Trans. Networking, 2(2):137-150, 1994.
- [25] K. Park. Warp control: a dynamically stable congestion protocol and its analysis. In Proc. ACM SIGCOMM '93, pages 137-147, 1993.
- [26] K. Park. SBS: A global scalable network architecture for stratified quality of service provision. Technical Report CSD-TR-98-040, Department of Computer Sciences, Purdue University, 1998.
- [27] K. Park, M. Sitharam, and S. Chen. Quality of service provision in noncooperative networks: heterogeneous preferences, multidimensional QoS vectors, and burstiness. In Proc. 1st International Conference on Information and Computation Economies, pages 111-127, 1998.
- [28] K. Park and W. Willinger, editors. Self-Similar Network Traffic and Performance Evaluation. To be published by Wiley Interscience, 1999.

- [29] S. Prabhakar, D. Agrawal, A. El Abbadi, and A. Singh. Scheduling tertiary I/O in database applications. In Proc. of the 8th International Workshop on Database and Expert S ystems Applications, pages 722-727, Toulouse, France, September 1997.
- [30] K. Shen and E. J. Delp. Wavelet based rate scalable video compression. IEEE Transactions on Circuits and Systems for Video Technology, 11, November 1998.
- [31] E. Spafford and S. Kumar. A software architecture to support misuse intrusion detection. In Proceedings of the 18th National Information Security Conference, October 1995.
- [32] E. Spafford and C. Schuba. A reference model for firewall technology. In Proceedings of teh 13th IEEE Computer Security Applications Conference, pages 133-145, December 1997.
- [33] J. Stankovic, S. H. Son, and L. Jorg. Real-Time Database and Information Systems: Research Advances, chapter BeeHive: Global Multimedia Database Support for Dependable, Real-Time Applications, pages 409-422. Kluwer Academic Publishers, Norwell, MA, 1997.
- [34] D. Yau and S. Lam. Adaptive rate-controlled scheduling for multimedia applications. IEEE/ACM Transactions on Networking, 5(4), 1997.
- [35] D. Yau and S. Lam. Migrating sockets end system support for networking with quality of service guarantees. IEEE/ACM Transactions on Networking, 6(6), 1998.