

## REFERENCES

- [1] R.Jain, "Congestion Control and Traffic Management in ATM Networks: Recent Advances and A Survey," *Computer Networks and ISDN Systems*, Vol. 28, No. 13, October 1996, pp. 1723-1738.
- [2] "ATM Forum Traffic Management Specification, Version 4.0," The ATM Forum, af-tm-0056.000, April 1996.
- [3] C. Douligeris, G. Develekos, "A Fuzzy Logic Approach to Congestion Control in ATM Networks," *IEEE ICC '95*, 1995, pp. 1969-1973.
- [4] O.P. Lim, T. C. Ling, K.K. Phang, "Development of Fuzzy Logic Control Systems," *Malaysian Journal of Computer Science*, vol. 11, no. 2, Dec 1996, pp. 8-14.
- [5] V. Catanaia, G. Ficili, S. Palazzo, D. Panno, "A Comparative Analysis of Fuzzy versus Conventional Policing Mechanisms for ATM networks," *IEEE/ACM Transactions on Networking*, vol. 4, June 1996, pp. 449-559.
- [6] A. R. Bonde, S. Ghosh, "A Comparative study of Fuzzy versus Fixed Thresholds for Robust Queue Management in Cell-switching networks," *IEEE/ACM Transactions on Networking*, vol. 2, Aug. 1994.
- [7] K.F.Cheung, D.H.K. Tsang, C.C. Cheng and L.C. Wai, "Fuzzy Logic Based ATM Policing," *Proceedings of IEEE ICCS '94*, Nov. 1994, Singapore, pp.535-539.
- [8] B. Bensaou, S.T.C. Lam, H.W. Chu, and D.H.K. Tsang, "Estimation of the Cell Loss Ratio in ATM Networks with a Fuzzy System and Application to Measurement-Based Call Admission Control," *IEEE/ACM Transactions on Networking*, Vol. 5, No. 4, August 1997, pp. 572-584.
- [9] M. F. Ramalho, E. Scharf, "Fuzzy Logic Techniques for Connection Admission Control in ATM networks," *IEE 11<sup>th</sup> UK Teletraffic Symposium*, 1994.
- [10] T. Ors, S.P.W. Jones, "Traffic Management for ATM Local Area Networks using a Combined Preventive/Reactive Control Mechanism," *International Conference on Telecommunications*, Istanbul, Turkey, April 1996, pp. 25-31.
- [11] D. Adimi, A. Hachicha, "A Marking Method for Congestion Avoidance in ATM-based Multimedia Networks," *Proceedings of IEEE ICC '94*, 1994.
- [12] V. Mannem, R. Sankar, "Improved Dual Leaky Bucket Policing Algorithm for ATM network," *Proceedings IEEE Southeastcon '95*, 1995, pp.6-11.
- [13] Lofti. A. Zadeh, "Knowledge Representation in Fuzzy Logic," *An Introduction to Fuzzy Logic Applications in Intelligent Systems*, Kluwer Academic Publisher, pp. 1-13.
- [14] H. J. Zimmermann, *Fuzzy Set Theory and its Applications*, 2<sup>nd</sup> edition. New York: Kluwer, 1991, pp. 11-17.

- [15] C. Radu, R. Wilkerson, "Using Fuzzy Set Theory," *IEEE Potentials*, vol. 14, issue 5, 1996, pp. 33-35.
- [16] H. R. Berenji, "Fuzzy Logic Controllers," *An Introduction to Fuzzy Logic Applications in Intelligent Systems*, Kluwer Academic Publisher, pp. 69-89.
- [17] S. Mitaim, B. Kosko, "What is the best shape for a fuzzy set in function approximation?," *Proceedings of the Fifth IEEE Conference on Fuzzy Systems*, vol. 2, 1996, pp. 1237-1243.
- [18] R. R. Yager, "Expert Systems Using Fuzzy Logic," *An Introduction to Fuzzy Logic Applications in Intelligent Systems*, Kluwer Academic Publisher, pp. 27-43.
- [19] K. Siu and R. Jain, "A Brief Overview of ATM: Protocol Layers, LAN Emulation, and Traffic Management," *Computer Communications Review (ACM SIGCOMM)*, Vol. 25, No. 2, April 1995, pp. 6-28.
- [20] W. Stallings, *High Speed Networks, TCP/IP and ATM Design Principles*, Int. edition. Prentice Hall, 1998, pp. 344-348.
- [21] R. Jain, "Myths about Congestion Management in High Speed Networks," *Internetworking: Research and Experience*, Vol. 3, 1992, pp. 101-113.
- [22] M. Butto, E. Cavallero, A. Tonietti, "Effectiveness of the Leaky Bucket Policing Mechanism in ATM networks," *IEEE J. Selected Areas in Comm*, vol. 9, No. 3, April 1991.
- [23] E.P. Rathgeb, "Modeling and Performance Comparison of Policing Mechanisms for ATM Networks," *IEEE J. Selected Areas in Comm.*, vol. 9, No. 3, April 1991.
- [24] V. G. Kulkarni, N. Gautam, "Leaky Buckets: Sizing and Admission Control," *Proceedings of 35<sup>th</sup> IEEE Conference on Decision and Control*, vol. 1, Dec1996, pp. 785-790.
- [25] H.W. Chu, D.H.K. Tsang and S.T.C. Lam, "Efficient Estimation of Effective Bandwidth for Call Admission Control in ATM Networks," *Proceedings of IEEE ATM Workshop '95*, Washington, D.C., October 1995.
- [26] D.H.K. Tsang, B. Bensaou, and S.T.C. Lam, "Fuzzy Based Rate Control for Real-Time MPEG Video," *IEEE Transactions on Fuzzy Systems*, Vol. 6, No. 4, November 1998, pp. 504-516.
- [27] A. Atai, "A rate-based feedback traffic controller for ATM networks," *IEEE ICC'94*, 1994, pp. 1605-1615.
- [28] S. G. Jong, K. Hee, "Congestion control with double threshold in ATM networks," *IEEE GLOBECOM'94*, Nov. 1994, pp. 595-599.

- [29] S. G. Jong, Y. O. Chin, "Congestion control with double and hysteresis threshold in ATM networks," *IEEE GLOBECOM'94*, Nov. 1994.
- [30] B. Vandalore, G. Babic, R. Jain, "Analysis and Modeling of Traffic in Modern Data Communications Networks," submitted to the *IEEE GLOBECOM'99*, 1999.
- [31] N. S. Matloff, *Probability Modeling and Computer Simulation*, 1<sup>st</sup> edition, PWS-KENT Publishing, Massachusetts, 1988.