

Chapter 11

Bibliography

Bibliography

- [1] Akyildiz, I. F., Su, W., Sankarasubramaniam, Y., and Cayirci, E. (2002). A survey on sensor networks. *IEEE Communications magazine*, 40(8), 102-114.
- [2] Broch, J., Maltz, D. A., Johnson, D. B., Hu, Y. C., and Jetcheva, J. (1998, October). A performance comparison of multi-hop wireless ad hoc network routing protocols. In *Proceedings of the 4th annual ACM IEEE international conference on Mobile computing and networking* (pp. 85-97).
- [3] Chakrabarti, S., and Mishra, A. (2001). QoS issues in ad hoc wireless networks. *IEEE communications magazine*, 39(2), 142-148.
- [4] Christiansen, M., Jeffay, K., Ott, D., and Smith, F. D. (2000). Tuning RED for web traffic. *ACM SIGCOMM Computer Communication Review*, 30(4), 139-150.
- [5] Chen, L., and Heinzelman, W. B. (2005). QoS-aware routing based on bandwidth estimation for mobile ad hoc networks. *IEEE Journal on selected areas in communications*, 23(3), 561-572.
- [6] C. Long, X. Guan, B. Zhao, and J. Yang, The Yellow active queue management algorithm, *Computer Networks*, vol. 47, no. 4, pp. 525–50, 2005.
- [7] Clausen, T., and Jacquet, P. (Eds.). (2003). RFC3626: Optimized link state routing protocol (OLSR).
- [8] C. Zhu, O. Yang, J. Aweya, M. Ouellette, and D. Montuno, A comparison of active queue management algorithms using the OPNET modeler, *IEEE Communications Magazine*, vol. 40, no. 6, pp. 158–67, 2002.

- [9] C. Zhou, J. He, and Q. Chen, A robust active queue management scheme for network congestion control, *Comput. Electr. Eng.*, vol. 39, no. 2, pp. 285-294, Feb. 2013.
- [10] Charles E. Perkins, *Adhoc Networking*, Addison Wesley, Reading, MA 2001.
- [11] Das, S. R., Castaneda, R., Yan, J., and Sengupta, R. (1998, October). Comparative performance evaluation of routing protocols for mobile, ad hoc networks. In *Proceedings 7th International Conference on Computer Communications and Networks (Cat. No. 98EX226)* (pp. 153-161). IEEE.
- [12] Domanski, A., Domanska, J., Czachorski, T., Klamka, J., Marek, D., and Szyguła, J. (2019, June). AQM Mechanism with the Dropping Packet Function Based on the Answer of Several PI^α Controllers. In *International Conference on Computer Networks* (pp. 400-412). Springer, Cham.
- [13] Du, S., Saha, A. K., and Johnson, D. B. (2007, May). RMAC: A routing-enhanced duty-cycle MAC protocol for wireless sensor networks. In *IEEE INFOCOM 2007-26th IEEE International Conference on Computer Communications* (pp. 1478-1486). IEEE.
- [14] Feng, W. C., Kandlur, D., Saha, D., and Shin, K. (1999). BLUE: A new class of active queue management algorithms 48105.
- [15] Feng, W. C., Kandlur, D. D., Saha, D., and Shin, K. G. (1999, March). A self-configuring RED gateway. In *IEEE INFOCOM'99. Conference on Computer Communications. Proceedings. Eighteenth Annual Joint Conference of the IEEE Computer and Communications Societies. The Future is Now (Cat. No. 99CH36320)* (Vol. 3, pp. 1320-1328). IEEE.
- [16] Floyd, S., and Jacobson, V. (1993). Random early detection gateways for congestion avoidance. *IEEE/ACM Transactions on networking*, 1(4), 397-413.
- [17] Ford Jr, L. R., and Fulkerson, D. R. (2015). *Flows in networks* (Vol. 54). Princeton university press.
- [18] Gharegozi, A. (2011). Greedy Flow Control by FRED Active Queue Management Mechanism. In *Proceedings of International Conference on Circuits, System and Simulation (ICCSS 2011)*.

- [19] Gomez, C. A., Wang, X., and Shami, A. (2019). Intelligent Active Queue Management Using Explicit Congestion Notification. arXiv preprint arXiv:1909.08386.
- [20] Hadjidj, A., Souil, M., Bouabdallah, A., Challal, Y., and Owen, H. (2013). Wireless sensor networks for rehabilitation applications: Challenges and opportunities. *Journal of Network and Computer Applications*, 36(1), 1-15.
- [21] Hilquias, V. C., Zaryadov, I. S., Tsurlukov, V. V., Milovanova, T. A., Bogdanova, E. V., Korolkova, A. V., and Kulyabov, D. S. (2019, September). The General Renovation as the Active Queue Management Mechanism. Some Aspects and Results. In *International Conference on Distributed Computer and Communication Networks* (pp. 488-502). Springer, Cham.
- [22] Haas, Z. J., and Pearlman, M. R. (2001). The performance of query control schemes for the zone routing protocol. *IEEE/ACM Transactions on networking*, 9(4), 427-438.
- [23] H. Han, C. Hollo, Y. Chait, and V. Misra, TCP networks stabilized by buffer-based AQMs, in *Proceedings of the Twenty-third Conference of the IEEE Communications Society (IEEE INFOCOM 2004)*, vol. 2, Hong Kong, China, 2004, pp. 964–74.
- [24] Irazabal, M., Lopez-Aguilera, E., and Demirkol, I. (2019, June). Active queue management as quality of service enabler for 5G networks. In *2019 European Conference on Networks and Communications (EuCNC)* (pp. 421-426). IEEE.
- [25] Ismail, A. H., El-Sayed, A., Elsaghir, Z., and Morsi, I. Z. (2014). Enhanced random early detection (ENRED). *International Journal of Computer Applications*, 92(9).
- [26] Johnson, D. B., and Maltz, D. A. (1996). Dynamic source routing in ad hoc wireless networks. In *Mobile computing*, 353, (pp. 153-181). Springer, Boston, MA.
- [27] Johnson, D., Hu, Y. C., and Maltz, D. (2007). The dynamic source routing protocol (DSR) for mobile ad hoc networks for IPv4 (Vol. 260). RFC 4728.
- [28] Jacobson, V. (1988). Congestion avoidance and control. *ACM SIGCOMM computer communication review*, 18(4), 314-329.
- [29] J. Sun, K.-T. Ko, G. Chen, S. Chan, and M. Zukerman, PD-RED: to improve the performance of RED, *IEEE Communications Letters*, vol. 7, no. 8, pp. 406–8, 2003.

- [30] Kahe, G., and Jahangir, A. H. (2019). A self-tuning controller for queuing delay regulation in TCP/AQM networks. *Telecommunication Systems*, 71(2), 215-229.
- [31] L. Le, J. Aikat, K. Jeffay, and F. Smith, The effects of active queue management on Web performance, *Computer Communication Review*, vol. 33, no. 4, pp. 265–76, 2003.
- [32] Lin, D., and Morris, R. (1997, October). Dynamics of random early detection. In *Proceedings of the ACM SIGCOMM'97 conference on Applications, technologies, architectures, and protocols for computer communication* (pp. 127-137).
- [33] May, M., Bolot, J., Diot, C., and Lyles, B. (1999, May). Reasons not to deploy RED. In *1999 Seventh International Workshop on Quality of Service. IWQoS'99*.(Cat. No. 98EX354) (pp. 260-262). IEEE.
- [34] M. Kwon and S. Fahmy, Comparison of load-based and queue-based active queue management algorithms, in *Proceedings of the SPIE - The International Society for Optical Engineering*, vol. 4866, Boston, MA, USA, 2002, pp. 35–46
- [35] Murthy, C. S. R., and Manoj, B. S. (2004). *Ad hoc wireless networks: Architectures and protocols*, portable documents. Pearson education.
- [36] Murthy, S., and Garcia-Luna-Aceves, J. J. (1996). An efficient routing protocol for wireless networks. *Mobile Networks and applications*, 1(2), 183-197.
- [37] Mauve, M., Widmer, J., and Hartenstein, H. (2001). A survey on position-based routing in mobile ad hoc networks. *IEEE network*, 15(6), 30-39.
- [38] Ott, T. J., Lakshman, T. V., and Wong, L. H. (1999, March). Sred: stabilized red. In *IEEE INFOCOM'99. Conference on Computer Communications. Proceedings. Eighteenth Annual Joint Conference of the IEEE Computer and Communications Societies. The Future is Now* (Cat. No. 99CH36320) (Vol. 3, pp. 1346-1355). IEEE.
- [39] Park, V. D., Macker, J. P., and Corson, M. S. (1998, October). Applicability of the temporally-ordered routing algorithm for use in mobile tactical networks. In *IEEE Military Communications Conference. Proceedings. MILCOM 98* (Cat. No. 98CH36201) (Vol. 2, pp. 426-430). IEEE.

- [40] Park, V., and Corson, S., (July 2001). Temporally Ordered Routing Algorithm (TORA) version 1, IETF Internet Draft (draft-ietf-manet-tora-spec-04.txt).
- [41] Park, V. D., and Corson, M. S. (1997). Temporally-Ordered Routing Algorithm (TORA) Version 1: Fundamental Specification. Internet Draft.
- [42] Patel, S. (2020). Nonlinear performance evaluation model for throughput of AQM scheme using full factorial design approach. *International Journal of Communication Systems*, 33(8), e4357.
- [43] Perkins, C., Belding-Royer, E., and Das, S. (2003). RFC3561: Ad hoc on-demand distance vector (AODV) routing.
- [44] Perkins, C. E., and Royer, E. M. (1999, February). Ad-hoc on-demand distance vector routing. In *Proceedings WMCSA'99. Second IEEE Workshop on Mobile Computing Systems and Applications* (pp. 90-100). IEEE.
- [45] Perkins, C. E., and Bhagwat, P. (1994). Highly dynamic destination-sequenced distance-vector routing (DSDV) for mobile computers. *ACM SIGCOMM computer communication review*, 24(4), 234-244.
- [46] Perkins, C. E., Belding-Royer, E. M., and Chakeres I. (2003, February). Ad-Hoc on-Demand Distance Vector (AODV) Routing. IETF Internet Draft <ftp://ftp.rfc-editor.org/in-notes/rfc3561.txt>.
- [47] Perkins, C. E., Royer, E. M., Das, S. R., and Marina, M. K. (2001). Performance comparison of two on-demand routing protocols for ad hoc networks. *IEEE Personal communications*, 8(1), 16-28.
- [48] R. Adams, Active queue management: A survey, *IEEE Commun. Surveys Tuts.*, vol. 15, no. 3, pp. 1425-1476, 3rd Quart., 2013.
- [49] Reid, N., and Seide, R. (2003). 802.11 (Wi-Fi): networking handbook (Vol. 2600). McGraw-Hill/Osborne.
- [50] Durkin. Voice-enabling the data network: H.323, MGCP, SIP, QoS, SLAs, and security. first ed., Indianapolis, IN, Cisco Press, 2003.

- [51] R. Patel, D. Deb, H. Modi, and S. Shah, Adaptive backstepping control scheme with integral action for quanser 2-dof helicopter, in Proc. Int. Conf. Adv. Comput., Commun. Informat. (ICACCI), Sep. 2017, pp. 571-577.
- [52] R. Patel and D. Deb, Parametrized control-oriented mathematical model and adaptive backstepping control of a single chamber single population microbial fuel cell, J. Power Sources, vol. 396, pp. 599-605, Aug. 2018.
- [53] Royer, E. M., and Toh, C. K. (1999). A review of current routing protocols for ad hoc mobile wireless networks. IEEE personal communications, 6(2), 46-55.
- [54] S. Athuraliya, S. Low, V. Li, and Q. Yin, REM: active queue management, IEEE Network, vol. 15, no. 3, pp. 48–53, 2001.
- [55] S. Kunniyur and R. Srikant, An adaptive virtual queue (AVQ) algorithm for active queue management, IEEE/ACM Transactions on Networking, vol. 12, no. 2, pp. 286–99, 2004.
- [56] S. Oruganti and M. Devetsikiotis, Analyzing robust active queue management schemes: a comparative study of predictors and controllers, in Proceedings of the 2003 IEEE International Conference on Communications, vol. 3, Anchorage, AK, USA, 2003, pp. 1531–6.
- [57] Shakkottai, S., Srikant, R., and Shroff, N. B. (2005). Unreliable sensor grids: Coverage, connectivity and diameter. Ad Hoc Networks, 3(6), 702-716.
- [58] Toh, C. K. (1996, March). A novel distributed routing protocol to support ad-hoc mobile computing. In Conference Proceedings of the 1996 IEEE Fifteenth Annual International Phoenix Conference on Computers and Communications (pp. 480-486). IEEE.
- [59] Toh, C. K. (2001). Ad hoc mobile wireless networks: protocols and systems. Pearson Education.
- [60] Tran, D. A., and Raghavendra, H. (2006). Congestion adaptive routing in mobile ad hoc networks. IEEE transactions on parallel and distributed systems, 17(11), 1294-1305.
- [61] Trinh, T. A., and Molnár, S. (2004). A comprehensive performance analysis of random early detection mechanism. Telecommunication Systems, 25(1-2), 9-31.

- [62] Xu, Q., Ma, G., Ding, K., and Xu, B. (2020). An Adaptive Active Queue Management Based on Model Predictive Control. *IEEE Access*, 8, 174489-174494.
- [63] Y. Hong, O. W. W. Yang, and C. Huang, Self-tuning PI TCP flow controller for AQM routers with interval gain and phase margin assignment, in *Proc. IEEE Global Telecommun. Conf. GLOBECOM*, Nov. 2004, pp. 1324-1328.
- [64] Y. Liu, X. Liu, Y. Jing, and S. Zhou, Adaptive backstepping Hoo tracking control with prescribed performance for Internet congestion, *ISA Trans.*, vol. 72, pp. 92-99, Jan. 2018.
- [65] Y. Su, L. Huang, and C. Feng, QRED: A Q-learning-based active queue management scheme, *J. Internet Technol.*, vol. 19, no. 4, pp. 1169-1178, 2018.
- [66] Z. Li, Y. Liu, and Y. Jing, Design of adaptive backstepping congestion controller for TCP networks with UDP flows based on minimax, *ISA Trans.*, vol. 95, pp. 27-34, Dec. 2019.
- [67] Zala, D. D., and Vyas, A. K. (2020). Comparative Analysis of RED Queue Variants for Data Traffic Reduction Over Wireless Network. In *Recent Advances in Communication Infrastructure* (pp. 31-39). Springer, Singapore.