

## REFERENCES

- Athuraliya, S., Low, S. H., Li, V. H., & Yin, Q. (2001). "REM: Active Queue Management". *IEEE Network*, Vol. 15, (3):p. 48-53.
- Abbasov, B. & Korukoglu, S. 2009. "Effective RED: An Algorithm to Improve RED's Performance by Reducing Packet Loss Rate". *Journal of Network and Computer Applications*. Vol. 32, (3):p.703-709.
- Abdel-Jaber, H., Ababneh, J., Thabtah, F.A., Daoud, A.M., & Baklizi, M. 2011. "Performance Analysis of the Proposed Adaptive Gentle Random Early Detection Method under Noncongestion and Congestion Situations". *The International Conference on Digital Enterprise and Information Systems (DEIS) London, UK*, Vol. 194, p. 592-603.
- Abdel-Jaber, H., Mahafzah, M., Thabtah, F., & Woodward, M. 2008a. "Fuzzy Logic Controller of Random Early Detection Based on Average Queue Length and Packet Loss Rate". *International Symposium on Performance Evaluation of Computer and Telecommunication Systems, Edinburgh, UK, 2008*. IEEE.
- Abdeljaber, H., Thabtah, F., Woodward, M., & Hadi, W. 2007a. "Linear Analysis for a BLUE Congestion Control Algorithm Using a Discrete-Time Queue". *Proceedings of the 3rd International Conference on Information Technology ICIT. Amman, Jordan, 2007*.
- Abdel-Jaber, H., Thabtah, F., Woodward, M., Jaffar, A., & Al Bazar, H. 2014. "Random Early Dynamic Detection Approach for Congestion Control". *Baltic Journal of Modern Computing*. Vol. 2, (1):p.16-31.
- Abdel-Jaber, H., Woodward, M. E., Thabtah, F. A., & Al-Diabat, M. 2007b "Modelling BLUE Active Queue Management Using Discrete-Time Queue". *Proceedings of the World Congress on Engineering 2007(WCE), London, U.K.. Vol. 1, p.568-573*
- Abdel-Jaber, H., Woodward, M., Thabtah, F., & Abu-Ali, A. 2008b. "Performance Evaluation for DRED Discrete-Time Queueing Network Analytical Model". *Journal of Network and Computer Applications*. Vol.31, (4):p. 750-770.
- Abualhaj, M. M., Abu-Shareha, A. A., & Al-Tahrawi, M. M. 2016. "FLRED: An Efficient Fuzzy Logic Based Network Congestion Control Method". *Neural Computing and Applications*. <https://doi.org/10.1007/s00521-016-2730-9>.
- Ahammed, G. F. A. & Banu, R. 2010. "Analyzing the Performance of Active Queue Management Algorithms". *International Journal of Computer Networks & Communications*. Vol. 2, (2):p.1-19.
- Al-Diabat, M., Abdel-Jaber, H., Thabtah, F., Abou-Rabia, O., & Kishta, M. 2012. "Analytical Models Based Discrete-time Queueing for the Congested Network". *International Journal of Modeling, Simulation, and Scientific Computing*. Vol. 3, (1). <https://doi.org/10.1142/S1793962311500048>.

- Alfa, A. S. 2010. "Queueing Theory for Telecommunications: Discrete Time Modelling of a Single Node System". Springer Science & Business Media. <https://doi.org/10.1007/978-1-4419-7314-6>.
- Allman, M., Paxson, V., & Blanton, E. 2009. "TCP Congestion Control". RFC 2581, DOI 10.17487/RFC2581, April 1999, <https://www.rfc-editor.org/info/rfc2581>.
- Attiya, G., & El-Khobby, H. 2012. "Improving Internet Quality of Service Through Active Queue Management in Routers". International Journal of Computer Science. Vol. 9, (1):p. 279–286.
- Aweya, J., Ouellette, M., & Montuno, D. Y. 2001. "A Control Theoretic Approach to Active Queue Management". Computer Networks. Vol. 36, (2):p. 203-235.
- Baklizi, M., & Ababneh, J. 2016. "Performance Evaluation of the Proposed Enhanced Adaptive Gentle Random Early Detection Algorithm in Congestion Situations". International Journal of Current Engineering and Technology. Vol. 6, (5):p. 1658–1664.
- Baklizi, M., Abdel-Jaber, H., Abu-Alhaj, M. M., Abdullah, N., Ramadass, S., & Almomani, A. 2013. "Dynamic Stochastic Early Discovery: A New Congestion Control Technique to Improve Networks Performance". International Journal of Innovative Computing, Information and Control. Vol. 9, (3):p. 1113–1126.
- Baklizi, M., Abdel-Jaber, H., Abu-Shareha, A. A., Abualhaj, M. M., & Ramadass, S. 2014. "Fuzzy Logic Controller of Gentle Random Early Detection Based on Average Queue Length and Delay Rate". International Journal of Fuzzy Systems. Vol. 16, (1):p.9-19.
- Baklizi, M., Abdel-jaber, H., Ramadass, S., Abdullah, N., & Anbar, M. 2012. "Performance Assessment of AGRED, RED and GRED Congestion Control Algorithms". Information Technology Journal. Vol. 11, (2):p.255-261.
- Bazaz, Y., Kumar, S. & Anand, S. 2013. "Congestion Control Mechanism Using Fuzzy Logic". International Journal of Emerging Trends & Technology in Computer Science (IJETTCS). Vol. 2, (2):p. 313-318.
- Bitorika, A., Robin, M., Huggard, M. & Goldrick, C. M. 2004. "A Comparative Study of Active Queue Management Schemes". Proceedings of IEEE ICC 2004, Congestion Control Under Dynamic Weather Condition 103.
- Boucherie, R. J., & Van Dijk, N. M. 2010. "Queueing Networks: A Fundamental Approach". Springer Science & Business Media. Vol. 154.
- Braden, B., Clark, D., Crowcroft, J., Davie, B., Deering, S., Estrin, D., Floyd, S., Jacobson, V., Minshall, G., Partridge, C., Peterson, L., Ramakrishnan, K., Shenker, S., Wroclawski, J. & Zhang, L. 1998. "Recommendations On Queue Management And Congestion Avoidance In The Internet". RFC 2309, DOI 10.17487/RFC2309, April 1998, <https://www.rfc-editor.org/info/rfc2309>.
- Brandauer, C., Iannaccone, G., Diot, C., Ziegler, T., Fdida, S., & May, M. 2001. "Comparison of Tail Drop and Active Queue Management Performance for Bulk-Data

and Web-Like Internet Traffic”. Proceedings. Sixth IEEE Symposium on Computers and Communications 2001, Hammamet, Tunisia. p. 122-129.

Chandra, E. & Subramani, B. 2010. “A Survey on Congestion Control”. Global Journal of Computer Science and Technology. Vol. 9, (5): p. 82-87.

Chen, W., & Yang, S.-H. 2009. “The Mechanism of Adapting RED Parameters to TCP Traffic”. Computer Communications. Vol. 32, (13):p.1525–1530.

Chen, W., Li, Y., & Yang, S. H. 2007, April. “An Average Queue Weight Parameterization in a Network Supporting TCP Flows with RED”. 2007 IEEE International Conference on Networking, Sensing and Control, London, UK. p. 590-595.

Chrysostomou, C., Pitsillides, A., Hadjipollas, G., Sekercioglu, A., & Polycarpou, M. 2003a. “Fuzzy Explicit Marking for Congestion Control in Differentiated Services Networks”. Proceedings of the Eighth IEEE Symposium on Computers and Communications. ISCC 2003, Kemer-Antalya, Turkey, Turkey. p. 312-319.

Chrysostomou, C., Pitsillides, A., Rossides, L., Polycarpou, M., & Sekercioglu, A. 2003b. “Congestion Control in Differentiated Services Networks Using Fuzzy-RED. Control Engineering Practice”. Vol. 11, (10):p. 1153-1170.

Chydzinski, A., & Chróst, Ł. 2011. “Analysis of AQM Queues with Queue Size Based Packet Dropping”. International Journal of Applied Mathematics and Computer Science. Vol. 21, (3):p. 567-577.

Clarke, G. M. & Cooke, D. 2004. “A Basic Course in Statistics”. John Wiley & Sons.

Da-Gang, G. 2010, June. “A New Adaptive BLUE Algorithm”. International Conference on Electrical and Control Engineering (ICECE) 2010, Wuhan, China. p. 2601-2605. IEEE.

Das, V., Chaba, Y., Prakash, V. S., George Amalarethnam, D. I. & Raj, E. G. 2013. “Extended Queue Management Backward Congestion Control Algorithm”. Mobile Communication and Power Engineering, Berlin, Heidelberg. Vol. 296. Springer.

Demers, A., Keshav, S., & Shenker, S. 1989, August. “Analysis and Simulation of a Fair Queueing Algorithm”. In ACM SIGCOMM Computer Communication Review. Vol. 19, (4):p. 1-12.

Fall, K. R., & Stevens, W. R. 2011. “TCP/IP Illustrated”. Vol. 1. addison-Wesley.

Fan, X., Zhang, J., Guan, L. & Wang, X. 2012. “QBLUE: A New Congestion Control Algorithm Based on Queuing Theory”. 2012 IEEE 14th International Conference on High Performance Computing and Communication & 2012 IEEE 9th International Conference on Embedded Software and Systems (HPCC-ICSS). Liverpool, United Kingdom. IEEE.

Feng, W. C., Shin, K. G., Kandlur, D. D., & Saha, D. 2002. “The BLUE Active Queue Management Algorithms”. IEEE/ACM Transactions on Networking. Vol. 10, (4):p. 513-528.

- Feng, W.-C., Kandlur, D. D., Saha, D. & Shin, K. G. 1999. "BLUE: A New Class of Active Queue Management Algorithms". University of Michigan, Technical Report.
- Fiems, D., Steyaert, B., & Bruneel, H. 2004. "Discrete-Time Queues with Generally Distributed Service Times and Renewal-type Server Interruptions". *Performance Evaluation*. Vol. 55, (3):p. 277-298.
- Fischer, W., & Meier-hellstern, K. 1993. "The Markov-Modulated Poisson Process (MMPP) Cookbook". *Performance Evaluation*. Vol. 18, (2):p.149-171.
- Floyd, S. 1994. "TCP and Explicit Congestion Notification". *ACM SIGCOMM Computer Communication Review*. Vol. 24, (5):p. 8-23.
- Floyd, S. 2000. "Recommendations on Using the Gentle Variant of RED". Retrieved September 09, 2017, from <http://www.aciri.org/floyd/red/gentle.html>.
- Floyd, S., & Jacobson, V. 1993. "Random Early Detection Gateways for Congestion Avoidance". *IEEE/ACM Transactions on Networking (Ton)*. Vol.1, (4):P. 397-413.
- Floyd, S., Gummadi, R. & Shenker, S. 2001. "Adaptive RED: An Algorithm for Increasing the Robustness of RED's Active Queue Management". ACIRI Technical Report. :<http://www.icir.org/floyd/red.html>
- Forouzan, B. A. 2009. "TCP/IP protocol suite". McGraw-Hill, Inc.
- Geat, A., Woodward, M. E. & Etbega, M. 2007. "Two Different Approaches of Active Queue Management". *International Conference on Networking, Sensing and Control 2007*, London, UK. p. 579-583. IEEE.
- Ghosh, S., Razouqi, Q., Schumacher, H. J., & Celmins, A. 1998. "A Survey of Recent Advances in Fuzzy Logic in Telecommunications Networks and New Challenges". *IEEE Transactions on Fuzzy Systems*. Vol.6, (3):P. 443-447.
- Gottwald, S. 1993. "Fuzzy Sets and Fuzzy Logic: The Foundations of Application—From a Mathematical Point of View". Friedr. Vieweg & Sohn Verlagsgesellschaft Mbh, Wiesbaden, Germany.
- Guan, L., Awan, I. U., Woodward, M. E., & Wang, X. 2007. "Discrete-time Performance Analysis of a Congestion Control Mechanism Based on RED under Multi-Class Bursty and Correlated Traffic". *Journal of Systems and Software*. Vol. 80, (10):P.1716-1725.
- Guan, L., Woodward, M. E., & Awan, I. U. 2004a. "Stochastic Approach for Modeling Multi-Class Congestion Control Mechanisms Based on RED in TCP/IP Networks". *Proceedings of the 2nd International Working Conference on Performance Modelling of Heterogeneous Networks*. P. 361-369.
- Guan, L., Woodward, M. E., & Awan, I. U. 2004b. "Stochastic Modelling of Maintaining Specified Qos Constraints in Discrete-Time Domain". *Proceedings of 13th International Conference on Computer Communications and Networks 2004, ICCCN*. Chicago, USA P. 109-114. IEEE.

- Guan, L., Woodward, M. E., & Awan, I. U. 2006. "Control of Queueing Delay in a Buffer with Time-varying Arrival Rate". *Journal of Computer and System Sciences*. Vol. 72, (7):P. 1238-1248.
- Guffens, V., & Bastin, G. 2005, June. "Optimal Adaptive Feedback Control of a Network Buffer". *Proceedings of American Control Conference 2005*. Portland, USA, P. 1835-1840.IEEE.
- Guo, J., Xiang, W., & Wang, S. 2007. "Reinforce Networking Theory with OPNET Simulation". *Journal of Information Technology Education*. Vol.6, P. 215-226.
- Hiok, H. & Qiu, B. 2000. "Fuzzy logic target utilization and prediction for traffic control". *Global Telecommunications Conference, 2000. GLOBECOM '00*, San Francisco, CA, USA. Vol. 3, p. 1644-1648. IEEE.
- Ingoley, S. N., & Nashipudi, M. 2012. "A Review: Fuzzy Logic in Congestion Control of Computer Network". *International Conference in Recent Trends in Information Technology and Computer Science (ICRTITCS)*, p.0975 – 8887.
- Issariyakul, T., & Hossain, E. 2011. "Introduction to Network Simulator NS2". Springer Science & Business Media.
- Jacobson, V. 1988, August. "Congestion Avoidance and Control". In *ACM SIGCOMM Computer Communication Review*. Vol. 18, (4):P. 314-329.
- Jacobson, V. 1990. "Modified TCP congestion avoidance algorithm". end2end-Interest Mailing List.
- Joshi, M., Mansata, A., Talauliker, S., & Beard, C. 2005. "Design and Analysis of Multi-Level Active Queue Management Mechanisms for Emergency Traffic". *Computer Communications*. Vol. 28, (2):p. 162-173.
- Kalav, D. & Gupta, S. 2012. "Congestion Control in Communication Network Using RED, SFQ and REM Algorithm". *International Refereed Journal of Engineering and Science (IRJES)*, Vol.1, (2):p. 41-45.
- Karagiannis, T., Molle, M., & Faloutsos, M. 2004. "Long-range Dependence Ten Years of Internet Traffic Modeling. *IEEE Internet Computing*. Vol. 8, (5):p. 57-64.
- Kasera, S. K., Ramjee, R., Thuel, S. R., & Wang, X. 2005. "Congestion Control Policies for Ip-based CDMA Radio Access Networks". *IEEE Transactions on Mobile Computing*. Vol. 4, (4):p. 349-362.
- Khatari, M., & Samara, G. 2015. "Congestion control approach based on effective random early detection and fuzzy logic". *MAGNT Res Rep*. Vol.3, (8):p. 180-193.
- Kilgore, R. A., Healy, K. J., & Kleindorfer, G. B. 1998, December. "The Future of Java-based Simulation". In *Simulation Conference Proceedings*. Vol. 2. p. 1707-1712.

- Kim, H. J., Shim, J. C., Kim, H. S., Cho, K. S., & Choi, S. G. 2010. "An Active Queue Management for Qos Guarantee of the High Priority Service Class". *Communication and Networking*. P. 37-45.
- Kim, M. S., & Kong, S. G. 2001. "Parallel-structure Fuzzy System for Time Series Prediction". *International Journal of Fuzzy Systems*, Vol. 3, (1):p. 331-340.
- Kiruthiga, B., & RAJ, E. 2014. "APAQM: An Alternate Path AQM Congestion Control Algorithm". *International Journal of Computer Science and Mobile Computing*. Vol.3, P. 93-99.
- Klir, G. J. 1995. "Fuzzy Logic". *IEEE Potentials*. Vol. 14, (4):p. 10-15.
- Lapsley, D., & Low, S. 1999, September. "Random Early Marking: An Optimisation Approach to Internet Congestion Control". *IEEE International Conference on Networks, (ICON'99) Proceedings Brisbane, Queensland, Australia*. p. 67-74. IEEE.
- Lee, C. C. 1990. "Fuzzy Logic in Control Systems: Fuzzy Logic Controller: II". *IEEE Transactions on Systems, Man and Cybernetics*. Vol. 20, (2) 419-435.
- Lee, M. H., Mun, Y. S., & Kim, B. G. 1997. "Performance Analysis of Delay-loss Priority Mechanism Using Markov Modulated Arrival Stream". *IEE Proceedings-Communications*. Vol. 144, (5):p. 311-315.
- Lefelhocz, C., Lyles, B., Shenker, S., & Zhang, L. 1996. "Congestion Control for Best-effort Service: Why We Need a New Paradigm". *IEEE Network*. Vol. 10, (1):p. 10-19.
- Lim, L. B., Guan, L., Grigg, A., Phillips, I. W., Wang, X. G., & Awan, I. U. 2011. "Controlling Mean Queuing Delay under Multi-class Bursty and Correlated Traffic". *Journal of Computer and System Sciences*. Vol. 77, (5):p. 898-916.
- Lim, L. B., Guan, L., Grigg, A., Phillips, I. W., Wang, X. G., & Awan, I. U. 2009, August. "Bounding Queuing Delay in a Router Based on Superposition of N MMBP Arrival Process". *Proceedings of 18th International Conference on Computer Communications and Networks, ICCCN 2009, san Francisco, CA, USA*. p. 1-6. IEEE.
- Lim, L. B., Guan, L., Grigg, A., Phillips, I. W., Wang, X., & Awan, I. U. 2010, April. "RED and WRED Performance Analysis Based on Superposition of N MMBP Arrival Process". *24th IEEE International Conference on Advanced Information Networking and Applications, Perth, WA, Australia*. p. 66-73. IEEE.
- Liu, K. H., Ling, X., Shen, X., & Mark, J. W. 2008. "Performance Analysis of Prioritized MAC in UWB WPAN with Bursty Multimedia Traffic". *IEEE Transactions on Vehicular Technology*. Vol. 57, (4):p. 2462-2473.
- Loukas, R., Kohler, S., Andreas, P., & Phuoc, T. G. 2000. "Fuzzy RED: Congestion Control for TCP/IP Diff-Serv". *10th Mediterranean Electrotechnical Conference. Information*

Technology and Electrotechnology for the Mediterranean Countries. Proceedings. MeleCon 2000, Lemesos, Cyprus. Vol. 1, p. 19-22.

- Malhotra, N., & Sharma, A. Kumar. 2012. "Active Scheduling (Queuing) Algorithms in Congestion Management- A Review". International Journal of Digital Application & Contemporary research (IJDACR). Vol.1, (4).
- Mamdani, E. H., & Assilian, S. 1975. "An Experiment in Linguistic Synthesis with a Fuzzy Logic Controller". International Journal of Man-Machine Studies. Vol. 7, (1):p. 1-13.
- Matarneh, R. J. 2009. "Self-Adjustment Time Quantum in Round Robin Algorithm Depending On Burst Time of the Now Running Processes". American Journal of Applied Sciences. Vol. 6, (10):p.1831-1837.
- Mehta, M., Deep, G., & Mehta, M. 2017. "Comparison Of Active Queue Management In Ns2". Asian Journal of Computer Science And Information Technology, Vol. 7:p.79-84.
- Mishra, V., & Jangale, S. 2014. "Analysis and comparison of different network simulators". International Journal of Application of Innovation in Engineering & Management.
- Morris, R. 2000, March. "Scalable TCP congestion control". Proceedings IEEE INFOCOM 2000. Conference on Computer Communications, Nineteenth Annual Joint Conference of the IEEE Computer and Communications Societies. Vol. 3, p. 1176-1183. IEEE
- Muezerie, A., Nikolaidis, I., & Gburzynski, P. 2005, May. "Attaining Voip-Grade Qos via Deflection: A Buffer Space Tradeoff Study". International Conference on Research in Networking, Berlin, Heidelberg. Vol. 3462, p. 1457-1460. Springer.
- Murshid, A. M., Loan, S. A., Abbasi, S. A., & Alamoud, A. R. M. 2012. "A Novel VLSI Architecture for a Fuzzy Inference Processor Using Triangular-Shaped Membership Function". International Journal of Fuzzy Systems. Vol. 14, (3):p. 345-360.
- Musa, S. M., Tembely, M., Sadiku, M. N., & Obiomon, P. H. 2014. "Modeling and Simulation of Queuing Scheduling Disciplines on Packet Delivery for Next Generation Internet Streaming Applications". International Journal of Computer and Information Technology, Vol. 3, (2):P. 233-237.
- Neely, M. J., Modiano, E., & Li, C. P. 2008. "Fairness and Optimal Stochastic Control for Heterogeneous Networks". IEEE/ACM Transactions on Networking (TON). Vol.16, (2):p. 396-409.
- Negnevitsky, M. 2005. "Artificial intelligence: a guide to intelligent systems". Pearson Education.
- Ng, C. H., Yuan, L., Fu, W., & Zhang, L. 1999. "Methodology for Traffic Modeling Using Two-state Markov-Modulated Bernoulli Process". Computer Communications. Vol. 22, (13):p. 1266-1273.

- Novák, V. 1995. "Linguistically Oriented Fuzzy Logic Control and Its Design". *International Journal of Approximate Reasoning*. Vol. 12, (3):p. 263-277.
- Oracle 2013 Corporation, Sun Developer Network. <http://java.sun.com/>
- Ott, T. J., Lakshman, T. V., & Wong, L. H. 1999, March. "SRED: stabilized RED". *INFOCOM '99. Eighteenth Annual Joint Conference of the IEEE Computer and Communications Societies. Proceedings*, New York, NY, USA. Vol. 3, p. 1346-1355. IEEE.
- Patel, S., & Bhatnagar, S. 2017. "Adaptive mean queue size and its rate of change: queue management with random dropping". *Telecommunication Systems*, Vol. 65, (2), 281-295.
- Pedrycz, W., & Vasilakos, A.. 2000. "Computational Intelligence in Telecommunications Networks". CRC Press.
- Pongor, G. 1993, January. "Omnet: Objective modular network testbed". *Proceedings of the International Workshop on Modeling, Analysis, and Simulation on Computer and Telecommunication Systems*. San Diego, CA, USA, p. 323-326. Society for Computer Simulation International.
- Postel, J. (1981). Transmission control protocol, RFC 793, DOI 10.17487/RFC0793, September 1981, <https://www.rfc-editor.org/info/rfc793>.
- Ramakrishnan, K., Floyd, S., & Black, D. 2001. "The addition of explicit congestion notification (ECN) to IP". RFC 3168, DOI 10.17487/RFC3168, September 2001, <https://www.rfc-editor.org/info/rfc3168>.
- Rashed, M. M. G., & Kabir, M. 2010. "A Comparative Study of Different Queuing Techniques in VOIP, Video Conferencing and File Transfer". *Daffodil International University Journal of Science and Technology*. Vol. 5, (1):P. 37-47.
- Rastogi, S., & Srivastava, S. 2013. "Comparative Analysis of Different Queuing Mechanisms in Heterogeneous Networks". *International Journal of Advanced Research in Computer and Communication Engineering*. Vol. 2, (8):p. 3075-3079.
- Reinholtz, K. 2000. "Java will be faster than C++". *ACM Sigplan Notices*. Vol. 35, (2):p. 25-28.
- Robertazzi, T. G. 2012. "Computer Networks and Systems: Queueing Theory and Performance Evaluation". Springer Science & Business Media.
- Ryu, S., Rump, C., & Qiao, C. 2003. "Advances in Internet Congestion Control". *IEEE Communications Surveys & Tutorials*. Vol. 5, (1):P. 28-39.
- Salim, J. H., & Ahmed, U. 2000. "Performance Evaluation of Explicit Congestion Notification (ECN) in IP Networks". RFC 2884, DOI 10.17487/RFC2884, July 2000, <https://www.rfc-editor.org/info/rfc2884>.

- Seifaddini, O., Abdullah, A. & Vosough, A. H. 2013. "RED, GRED, AGRED Congestion Control Algorithms in Heterogeneous Traffic Types". Proceedings of the 4th International Conference on Computing and Informatics, ICOCI 2013. Sarawak, Malaysia. Universiti Utara Malaysia.
- Senthilkumaran, T., & Sankaranarayanan, V. 2013. "Dynamic Congestion Detection and Control Routing in Ad Hoc Networks". Journal of King Saud University-Computer and Information Sciences, Vol. 25, (1):P. 25-34.
- Sharifahmadian, E., & Latifi, S. 2012. "Cognitive Congestion Control for Data Portals with Variable Link Capacity". International Journal of Communications, Network and System Sciences. Vol. 5, (8):P. 481- 489.
- Sharma, A. K., & Behra, A. K. 2016. "A Survey on Active Queue Management Techniques". International Journal of Engineering and Computer Science (IJECS). Vol. 5, (11):p. 18993-18997.
- Silberschatz, A., Galvin, P. B., Gagne, G., & Silberschatz, A. 1998. "Operating System Concepts". Vol.4. Reading: Addison-Wesley.
- Singh, S., & Balveer, S. 2013. "Performance & Analysis of REM, RED, & GREEN AQM Algorithms in Congestion Control". International Journal of Advanced Research in Computer Science and Software Engineering. Vol. 3, (11):p. 184-188.
- Stanojevic, R., Shorten, R. N., & Kellett, C. M. 2006. "Adaptive Tuning of Drop-tail Buffers for Reducing Queuing Delays". IEEE Communications Letters. Vol. 10, (7):p. 570-572.
- Stevens, W. 1997. "TCP Slow Start, Congestion Avoidance, Fast Retransmit, and Fast Recovery Algorithms". ", RFC 2001, DOI 10.17487/RFC2001, January 1997, <https://www.rfc-editor.org/info/rfc2001>
- Suess, E. A., & Trumbo, B. E. 2010. "Introduction to Probability Simulation and Gibbs Sampling With R". Springer Science & Business Media. <https://doi.org/10.1007/978-0-387-68765-0>
- Tassioulas, L., Hung, Y. C., & Panwar, S. S. 1994. "Optimal Buffer Control During Congestion in an ATM Network Node". IEEE/ACM Transactions on Networking (TON). Vol. 2, (4):P. 374-386.
- Thiruchelvi, G. & Raja, J. 2008. "A Survey on Active Queue Management Mechanisms". IJCSNS International Journal of Computer Science and Network Security. Vol. 8, P.130-145.
- Wang, H., Tian, Z., & Zhang, Q. 2010, August. "Self-Tuning Price-based Congestion Control Supporting TCP Networks". 2010 Proceedings of 19th International Conference on Computer Communications and Networks. P. 1-6.
- Welzl, M. 2005. "Network congestion control: managing Internet traffic". John Wiley & Sons.

- Woodward, M. E. 1993. "Communication and Computer Networks: Modelling With Discrete-Time Queues". Wiley-IEEE Computer Society Press.
- Yaghmaee, M. H., & Amintoosi, H. 2003. "A Fuzzy Based Active Queue Management Algorithm". Simulation Series, Vol. 35, (4):P. 458-464.
- Zadeh, L. A. 1965. "Fuzzy Sets". Information and Control, Vol. 8, (3):P. 338-353.
- Zadeh, L. A. 1975. "The Concept of a Linguistic Variable and Its Application to Approximate Reasoning I, II, III". Information Sciences. Vol. 8. P.199-249.
- Zhang, J., Xu, W., & Wang, L. 2011. "An Improved Adaptive Active Queue Management Algorithm Based on Nonlinear Smoothing". Procedia Engineering, Vol. 15, P. 2369-2373.
- Zhou, C., He, J., & Chen, Q. 2013. "A Robust Active Queue Management Scheme for Network Congestion Control". Computers & Electrical Engineering, Vol. 39, (2):P. 285-294.
- Zhou, W. H., & Wang, A. H. 2008. "Discrete-Time Queue with Bernoulli Bursty Source Arrival and Generally Distributed Service Times". Applied Mathematical Modelling. Vol. 32, (11):P.2233-2240.

