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List of Publications:

1. P,Vetrivel and Kannan Balasubramanian, “An Efficient Centralized Group Key Management Protocol for Secure Multicast Communication”, International Conference on Emerging Trends in Computing, Communication and Automation Technology, Sri Vidya College of Engineering and Technology, March 2019.
2. Kannan Balasubramanian, and P.Vetrivel, “Certificateless Public Key Encryption”, International Conference on Intelligent Systems and Control, ISCO 2019, Karpagam College of Engineering, January 2019.
3. S.Amutha and Kannan Balasubramanian, “Secured energy optimized Ad hoc on-demand distance vector routing protocol” Computers and Electrical Engineering, Elsevier 72(2018) 766-773.
4. S.Amutha and Kannan Balasubramanian, “Energy-optimized expanding Ring Search algorithm for Secure Routing against Blackhole attack in MANETs”, Journal of Computational and Theoretical NanoScience, Vol.14, 1-4, 2017.
5. Kannan Balasubramanian and M.Rajakani (Eds),”Algorithmic Strategies for solving complex problems in Cryptography”, by IGI-Global, 2017.
6. Kannan Balasubramanian and M.Rajakani, “Security of Identity-Based Encryption Algorithms”, book chapter published in Encyclopedia of Information Science and Technology, IGI-Global, Fourth Edition, 2017
7. Kannan Balasubramanian, M.Jayanthi, “A Homomorphic Cryptosystem for Electronic Election Schemes”, Circuits and Systems, 2016, 1, pp. 3193-3203.
8. K.Navaz and Kannan Balasubramanian, “E-MDDR Scheduling Algorithm for input-queued Switches”, Journal on Computer Science, volume 4, No. 1, March-May 2016, pp. 28-33.
9. Kannan Balasubramanian,K.Mala and M.Rajakani (Eds), “Cryptographic Solutions for Secure Online Banking and Commerce’ by IGI-Global, 2016.
10. K. Navaz and Kannan Balasubramanian, “OQSMS: Optimal Queue Selection Based Multicast Scheduling Algorithm for Input Queued Switches”, Australian Journal of Basic and Applied Sciences, 9(27), 2015, pp. 373-378.
11. K.Navaz, and Kannan Balasubramanian, “Multicast Due Date Round-Robin Scheduling Algorithm for Input-Queued Switches”, International Journal Computer Network and Information Security, 2016,(2). pp 56-63.
12. K.Navaz, and Kannan Balasubramanian, “Performance Analysis of OQSMS and MDDR Scheduling Algorithms for IQ switches”, International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:10, 2015.

13. Narayanan Prasanth and Kannan Balasubramanian, "Performance Analysis of Buffered Crossbar Switch Scheduling Algorithms", International Journal of Information and Computer Security, Vol. 7, No. 1, 2015.
14. N.Narayanan Prasanth, Kannan Balasubramanian, R.Chitra Devi, "Starvation Free Scheduler for Buffered Crossbar Switches", IJE Transactions A: Basics, Vol. 28. No. 4, April 2015, pp 523-528.
15. Kannan Balasubramanian and S.Amutha, "Secure Routing Protocols for Wireless Adhoc Networks", book chapter published in Encyclopaedia of Information Science and Technology, IGI-Global, Third Edition, 2015
16. S.Amutha, and Kannan Balasubramanian, "Detection and Prevention of Black Hole attack on MANET Routing Protocols", Australian Journal of Basic and Applied Sciences, 9(5), March 2015, pp 281-289.
17. D.Aarthy and Kannan Balasubramanian, "Secrecy Preserving Image Search using Homomorphic Encryption", Third International Conference on "Hi-Tech Trends in emerging computational techniques", Sethu Institute of Technology, Pulloor, Kariapatti, 08 & 09 April 2015.
18. A. Prem Sasi Kumar and Kannan Balasubramanian, "Improvements in Internet Key Exchange", Third International Conference on "Hi-Tech Trends in emerging computational techniques", Sethu Institute of Technology, Pulloor, Kariapatti, 08 & 09 April 2015.
19. N.Narayanan Prasanth, Kannan Balasubramanian and R.ChitraDevi, "Prioritized Queue with Round Robin Scheduler for Buffered Crossbar Switches", ICTACT Journal on Communication Technology, Volume 05, Issue 01, March 2014.
20. S.Nithya and Kannan Balasubramanian, "Trust Metrics Evaluation for Peer-to-Peer Systems", International Journal of Advanced Research in Computer Science and Technology (IJARCST 2014), Vol. 2 Special Issue 1, Jan-March 2014.
21. A.Aafreen, and Kannan Balasubramanian, "A Robust Defense Scheme for the Detection of distributed Denial of Service Attack through web proxy system", International Journal of Innovative Research in Science, Engineering and Technology, Vol.3, Special Issue 3, March 2014.
22. A.Aafreen and Kannan Balasubramanian, "A Robust Defense Scheme for the Detection of Distributed Denial of Service Attack through Web Proxy system", Proceedings of 2014 International Conference on Innovations in Engineering and Technology, ICIET'14, K.L.N College of Engineering, Madurai, 21st and 22nd March 2014.
23. Kannan Balasubramanian, "Variants of RSA and their Cryptanalysis", International Conference on Communication and Network Technologies, (ICCNT) 2014. Pages 145-149. DoI: 10.1109/CNT.2014.7062742
24. S.Nithya and Kannan Balasubramanian, "Trust Metrics Evaluation for Peer-to-Peer Systems", International Conference on Hi-Tech Trends in Emerging Computational

Technologies, ICECT-2014, Sethu Institute of Technology, Pulloor, Kariapatti, 20th & 21st February 2014.

25. D.Aarthy and Kannan Balasubramanian, " Private Keyword Search using Fully Homomorphic Encryption", Third International Conference on Design and Application of Structures, Drives, Communicational and Computing Systems(ICDASC-2014), K.L.N College of Information Technology, Pottapalayam, December 19th and 20th, 2014.