



Recent Journal Paper Publications

1. M. S. Kakkasageri, S. S. Manvi, "Regression based Critical Information Aggregation and Dissemination in VANETs: A Cognitive Agent Approach", *Elsevier Computer Networks Journal*, 2013, Submitted
2. M. S. Kakkasageri, S. S. Manvi, "Safety information management in VANETs : A review", *Elsevier Journal Network and Computer Applications*, 2013 (Available online)
3. P. I. Basarkod, S. S. Manvi, D. S. Albur, "Bandwidth and Stability based Routing in MANETs", *Elsevier Wireless Personal Communications*, 2013 (Available online)
4. V. R. Budhiyal, S. S. Manvi, "ANFIS and Agent based Bandwidth and Delay Aware Anycast Routing in MANETs", *Elsevier Journal of Network and Computer Applications*, 2013 (Available Online)
5. V. R. Budhiyal, S. S. Manvi "Agent Driven Delay and Power Constrained Multicast Routing in MANETs using ANFIS", *Elsevier Wireless Personal Communications*, 2013 (Available online)
6. M. N. Birje, S. S. Manvi, Sajal Das, "Market Dynamics based Reliable and Adaptive resource brokering scheme in wireless grids using agents", *Elsevier Journal of Network and Computer Applications*, 2013. (Available online)
7. A. V. Sutagundar, S. S. Manvi, "Location Aware Event Driven Multipath Routing in Wireless Sensor Networks: Agent Based Approach", *Elsevier Egyptian Informatics Journal*, Vol. 14, No.1, 2013.
8. A.V. Sutagundar, S. S, Manvi, "Wheel based Event Triggered Data Aggregation and Routing in Wireless Sensor Network: Multi-agent based Approach", *Springer Journal Wireless Personal Communications*, Vol. 71, No. 1, 2013.
9. V. R. Budyal, S. S. Manvi, "Intelligent Agent based Delay Aware QoS Unicast Routing in Mobile Ad Hoc Networks", *SERSC International Journal of Multimedia and Ubiquitous Computing*, Vo. 8, No. 3, 2013.
10. M. S. Kakkasageri, S. S. Manvi, J. Pitt, "Cognitive Agent based Critical Information Gathering and Dissemination in Vehicular Ad hoc Networks", *Springer Journal on Wireless Personal Communications*, Vol. 69, No. 4, 2013
11. Geeta D. D., Nalini N., R. C. Biradar, "Fault Tolerance in Wireless Sensor Network using Hand-off and Dynamic Power Adjustment Approach", *Elsevier Journal of Networks and Computer Applications*, Vol. 36, No. 4, 2013

12. P. I. Basarkod, S. S. Manvi, "Ondemand QoS and Stability based Multicast Routing in MANETs", *Wiley International Journal Communication Systems*, 2013, (Submitted)
13. Gopal K. S., S. S. Manvi, "Resource Management for IaaS in Cloud Computing: A survey", *Elsevier Journal of Network and Computer Applications*, 2013 (Revision 2).
14. Thumpi, Manjula R. B., S. S. Manvi, "A Survey on Routing Protocols for Under Water Accoustic Sensor Networks," *International Journal of Recent Technology and Engineering (IJRTE)*, vol. 2, no. 2, 2013.
15. G. P. Ramya, S. S. Manvi, "Design and Implementation of Electronic Voting Machine with Preferences and Priority", *Ascent International Journal of Mathematical Sciences and Engineering Applications*, 2013.
16. N. Sudhir, S. S. Manvi, "Analysis of GPS Real Time Architecture", *International Journal Energy Systems Computers and Control*, 2013.
17. Rakesh. B. N, Bharathi S. H, "Shadow Detection and Removal from Real and VHR images", *International Journal of Engineering Research & Technology (IJERT)*, Vol. 2, No. 6, 2013, pp. 2240-2450.
18. Nayana D. K, "Efficient Design of Half Adder and Half Subtractor using New SN Reversible Gate", *International Journal of Electronics and Computer Engineering*, Vol. 4, No. 2, 2013, pp 663-667.
19. Nayana D. K. "Introduction to New SN Reversible Gate and its Applications in Designing Arithmetic Circuits", *International Conference on Electronics and Communication Engineering*, 2013, pp 139-146.
20. Geetha D. D., Nalini N., R. C. Biradar, "ASERT: Agent based secured routing using trusted neighbors in wireless sensor networks", *IOS Press, Journal of High Speed Networks*, 2013, Submitted.
21. Geetha D. D., Nalini N., R. C. Biradar, "Agent Based Trusted Neighbor Identification in Wireless Sensor Networks", *Wiley International Journal of Communication Systems*, 2013, Submitted.
22. Geetha D. D., Nalini N., R. C. Biradar, "Secured Routing using Fault Free and Trusted Nodes in WSN: An Integrated Approach", *Elsevier Journal of Electrical and Computer Engineering*, 2013, Submitted.
23. Seetha Rama Raju Sanapala, Hemalatha T. C., "Design of Quad-core Crypto Processor for High Performance on FPGA Platform", *International Journal of Embedded and Software Computing (IJESC)*, Vol. 1, No. 5, 2013.
24. P. I. Basarkod and S. S. Manvi, D. S. Albur, "An Approach to Bandwidth Estimation in Wireless Ad hoc Networks", *Journal of Science, Engineering and Management*, Vol. 1, No. 1, March 2012, pp 34-38.

25. Ajit K. Bhovi, A. V. Sutagundar, S. S. Manvi, B. S. Halakarnimath, "Tree Based Aggregation and Routing in WSN: A Multi-agent system Approach", *International Journal of Computer Science and Informatics (IJCSI)*, Vol. 1, No. 3, 2012, pp. 2231 –2240.
26. Prashant Sangulagi, A. V. Sutagundar, S. S. Manvi, B. S. Halakarnimath "Angle based Aggregation and Routing in WSN: Multi-Agent approach", *International Journal of Smart Sensors and Ad Hoc Networks*, Vol. 1, No.3, 2012, pp. 2248-2255.
27. A.V. Sutagundar, S. S., Manvi, "Context Aware Wavelet based Image Fusion in Wireless Sensor Networks by Using Software Agents", *AIRCC Journal of Information Technology, Control and Automation*, 2012, Submitted.
28. Nandini S. Sidnal and Sunilkumar. S. Manvi, "Intelligent Agent Based Model for Auction Service Discovery in Mobile E-commerce", *International Journal of E-Business Research (IJEER)*, Vol. 8, No. 1, 2012.
29. Sreelakshmi.K, Prabhuswamy V, "Preprocessing for handwritten numerals", *Journal of Innovation in Electronic and Communication*, Vol. 2, No. 2, 2012 , pp. 296-298.
30. A.V. Sutagundar, S. S, Manvi, "Fish Bone Structure based Data Aggregation and Routing in Wireless Sensor Network: Multi-agent based Approach", *Springer Journal of Telecommunication systems*, 2012. (In press)
31. M. B. Patil, R. C. Biradar, "A Survey on Routing Protocols in Wireless Sensor Networks", *International Journal of Computer Science, Information Technology & Security (IJCSITS)*, 2012. Submitted.
32. R. C. Biradar, S. S. Manvi, "Review of Multicast Routing Mechanisms in Mobile Ad hoc Networks", *Elsevier Journal of Network and Computer Applications*, Vol. 35, No. 1, 2012, pp. 221-239.
33. R. C. Biradar, S. S. Manvi, "Neighbor Supported Reliable Multipath Multicast Routing in MANETs", *Elsevier Journal of Network and Computer Applications*, Vol. 35, No. 3, 2012, pp. 1074-1085.
34. R. C. Biradar, S. S. Manvi, "Information Priority Based Multicast Routing in MANETs", *International Journal of Wireless & Mobile Networks (IJWMN)*, Vol. 3, No. 3, 2012, pp. 177-192.
35. S. D. Soumya, R. C. Biradar, "Wireless Software Up-gradation for Handsets in Cordless Telephone", *International Journal of Computer and Electrical Engineering (IJCEE)*, Jan. 2012, submitted.
36. Harish B. S., R. C. Biradar, "AVB Frame Structure in Automotive Ethernet" , *White paper*, TCS India, Bangalore, March 2012.
37. Afsana Anjum A., R. C. Biradar, "Design and Implementation of Arbitrary Counter Using DSCH", *Journal of Innovation in Electronics and Communication*, Vol. 2, No. 2, 2012.
38. M. S. Kakkasageri, S. S. Manvi, Hridya C. P., Vibha N. S., P. I. Basarkod, "A Survey on Cognitive Agent Architectures", *IETE Journal of Education*, Vol. 53, No.1, 2012.

39. M. N. Birje, S. S. Manvi, "Agent based economic scheme for seamless job scheduling in bandwidth constrained wireless grids", *International Journal of Grid and Distributed Computing (IJGDC)*, Vol. 5, No. 1, 2012.
40. M. S. Kakkasageri, S. S. Manvi, "Multiagent Driven Dynamic Clustering in VANETS", Elsevier *Journal Network and Computer Applications*, Vol. 35, No.6, 2012.
41. Rini Supriya, R. C. Biradar, "Design and Implementation of Software Defined Radio using Xilinx System Generator", *International Journal of Scientific and Engineering Research (IJSER)*, Vol. 3, No. 12, 2012.
42. Harish B. S., R. C. Biradar, "Electronic Product Creation Process", *International Journal of Advances in Science and Technology*, Vol. 5, No. 2, August, 2012.
43. Nandini Sidnal, S. S. Manvi, "BDI Agents for Bidding in English Auctions for Mobile Commerce", *International Journal of Information and Education Technology*, Vol. 2, No. 2, 2012.
44. Raja Jitendra Nayaka, R. C. Biradar, "High Performance Ethernet Packet Processor Core for Next Generation Networks", *International Journal of Next-Generation Networks (IJNGN)*, Vol.4, No.3, pp. 89-99, 2012.
45. Seema Singh and T. V. Rama Murthy, "Neural Network based Sensor Fault Detection for Flight Control Systems", *International Journal of Computer Applications*, Vol. 59, No. 13, pp-8, 2012.
46. Bharathi. S. H, K. Nagabhushana Raju, "Verilog Realization of Diagonal-down- Left Intra prediction for H.264 Video Encoder", *International Journal of Engineering Research & Technology (IJERT)*, Vol. 1, No. 5, July 2012.
47. S. S. Manvi, Arpita Kulkarni, "A Method of Intrapolation and Extrapolation for Adaptive Speech Playout", *International Journal Nanoscience, Nanoengineering and Nanotechnology*, 2012.
48. Seetha Rama Raju Sanapala, "Uniformity Parameters in Mersenne Twister Random Number Generator for Monte Carlo Simulation", *International Journal of Advanced Research in Technology*, 2012.
49. R. C. Biradar, S. S. Manvi, "Ring Mesh Based Multicast Routing Scheme in MANET Using Bandwidth Delay Product", *IET Communications*, Vol. 5, No. 2, 2011, pp. 172-189.
50. P. I. Basarkod, S. S. Manvi, "Multiple Parameters based Approach to Estimate Bandwidth in mobile Ad hoc Networks", *IJCSI International Journal of Computer Science Issues*, Special Issue, ICVCI-2011, Vol. 1, No. 1, November 2011, pp. 37-43.
51. P. I. Basarkod, S. S. Manvi and P. N. Narendra Reddy, "Squaring Backoff based Media Access Control for Mobile Adhoc Networks", *Journal of Computer Science and Engineering*, Vol. 6, No. 2, April 2011, pp. 7-11.

52. P. N. Narendra Reddy, P. I. Basarkod, S. S. Manvi, "Wireless Sensor Network based Fire Monitoring and Extinguishing System in Real Time Environment", *Int. J. Advanced Networking and Applications*, Vol. 03, No. 2 , 2011, pp. 1070-1075.
53. P. N. Narendra Reddy, P. I. Basarkod, S. S. Manvi, "Body Area Sensor Network based Health Monitoring System", *International Journal of Emerging trends in Engineering and Development*, Vol. 3, No.1, November 2011, pp. 226-236.
54. A.V. Sutagundar, S. S., Manvi, "Context Aware Image Fusion in Military Sensor Networks: Multiagent System Approach", *International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC)*, Vol. 2 , No. 1 , March 2011, pp. 141-167.
55. M. N. Birje, S. S. Manvi, "WiGriMMA: A Wireless Grid Monitoring Model using Agents", *Springer International Journal of Grid Computing*, Vol. 9, No. 4 , 2011, pp. 549 - 572.
56. M. N. Birje, S. S. Manvi, "An Effective Method for Communication of Resource Status in Wireless Grid Using Agents", *International Journal of Multiagent and Grid Systems*, Vol. 7, No. 4, 2011, pp. 106-111.
57. Nandini S. Sidnal, Sunilkumar. S. Manvi, "BDI Agent Based Final Price Prediction for English Auctions in Mobile E-Commerce", *International Journal of World Review of Business Research* (special issue), Vol. 2, No. 2, Sept. 2011.
58. M. S. Kakkasageri, S. S. Manvi, "Intelligent Information Dissemination in Vehicular Ad hoc Networks", *International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC)*, Vol. 2, No. 1, March 2011, pp. 112-123.