

## Publications

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### Journal Papers:

24. "ONOS DDoS Defender: A Comparative Analysis of Existing DDoS Attack Datasets using Ensemble Approach" with Naziya Aslam and Shashank Srivastava, in *Wireless Personal Communications*, **133**, 1805–1827 (2023). <https://doi.org/10.1007/s11277-023-10848-9>, Published 29 January 2024.
23. "A Comprehensive Analysis of Machine Learning- and Deep Learning-Based Solutions for DDoS Attack Detection in SDN" with Naziya Aslam and Shashank Srivastava in *Arabian Journal for Science and Engineering* <https://doi.org/10.1007/s13369-023-08075-2> (July 2023)
22. "An Efficient Automated Detection of Schizophrenia Using k-NN and Bag of Words Features" with Ashima Tyagi, and Vibhav Prakash Singh, in *SN Computer Science* 4:518 <https://doi.org/10.1007/s42979-023-01947-2> (2023)
21. "Cyber-physical energy system simulation tool: framework for network co-simulation, GridLAB-D and ns-3" with Brijendra Pratap Singh in *International Journal of Simulation and Process Modelling*, Vol. 18, No. 4, pp 314–328, January 11, 2023, Inderscience, <https://doi.org/10.1504/IJSPM.2022.128289>
20. "Towards artificial intelligence in mental health: a comprehensive survey on the detection of schizophrenia" with Ashima Tyagi, and Vibhav Prakash Singh, in *Multimed Tools Appl* (2022). <https://doi.org/10.1007/s11042-022-13809-9>, Published 15 October 2022, the Springer Nature, **Multimedia Tools and Applications**, 1-63
19. "ONOS Flood Defender: An Intelligent Approach to Mitigate DDoS Attack in SDN" with Naziya Aslam and Shashank Srivastava, in **Transactions on Emerging Telecommunications Technologies**, Wiley, May 2022, <https://doi.org/10.1002/ett.4534>
18. "Stock Price Prediction using Historical Data and News Articles: A Survey" with Vijay Dwivedi, in *International Journal of Computational Systems Engineering*, Inderscience Publishers, January 2022, 6 (4), 182-200, ISSN: 2046-3391 eISSN: 2046-3405, <https://doi.org/10.1504/IJCSYSE.2021.120289>
17. "Softmicrogrid: A Software Assisted Microgrid for Optimal Prosumer Satisfaction", with Brijendra Pratap Singh, in **Technology and Economics of Smart Grids and Sustainable Energy**, Springer. (2021) 6:4 <https://doi.org/10.1007/s40866-020-00099-z>

16. "Pricing Scheme to Ease Energy Poverty of Low-Income Population in Smart Grid", with Brijendra Pratap Singh, in **International Transactions on Electrical Energy Systems**, Wiely & Sons Inc. September 2020. <https://doi.org/10.1002/2050-7038.12615>
15. "Publish/Subscribe-Based P2P-Cloud of Underutilized Computing Resources for Providing Computation-as-a-Service." with Shashwati Banerjea, Mayank Pandey, and Ashish Kumar, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, 2020. Springer. <https://doi.org/10.1007/s40010-020-00662-4>
14. "A Historical Data based Ensemble System for Efficient Stock Price Prediction" with Vijay Kumar Dwivedi in "Recent Advancements in Computer Science and Communications (2020)" 13:1, Bentham Science Publishers. <https://doi.org/10.2174/2213275912666190730161807> **Volume 14 , Issue 4 , 2021**
13. "The choice is yours: The effects of optional questions in engineering examinations", with Abdul Aleem in "**Computer Applications in Engineering Education**", July 2019, Wiley Publications. <https://doi.org/10.1002/cae.22138>
12. "C-BEAM: A confidence-based evaluation of MCQs for providing feedback to instructors", with Abdul Aleem in "**Computer Applications in Engineering Education**", Sept. 2018, Wiley Publications. <https://doi.org/10.1002/cae.22061>
11. "Green Energy Generation from Moving Vehicles", with Brijendra Pratap Singh in "International Journal of Engineering Science and Technology (IJEST)", 9(09S), Sept. 2017, Engg Journals Publication. <https://www.ijest.info/issue.php?file=vol09issue09S>
10. "Balancing Energy Consumption Across Network for Maximizing Lifetime in Cluster-based Wireless Sensor Network" with Sansar Singh Chauhan in "CSI Transactions on ICT", January 2016, CSI Publications. <https://doi.org/10.1007/s40012-015-0074-8>
9. "Structured P2P Overlay of Mobile Brokers for Realizing Publish/Subscribe Communication in VANET" with Tulika Pandey and Deepak Garg, in "The ScientificWorld Journal", Article ID 136365, January 2014, Hindawi Publishing Corporation. <https://doi.org/10.1155/2014/136365>
8. "Publish/subscribe based information dissemination over VANET utilizing DHT" with Tulika Pandey and Deepak Garg in "International Journal of Frontiers of Computer Science" Volume 6, Issue 6, pp 713-724, December 2012, Springer Publications. <https://doi.org/10.1007/s11704-012-1154-7>
7. "BiRange:An Efficient Framework for Biclustering of Gene Expression Data Using Range Bipartite Graph" with Suwendu Kanungo and Gadadhar Sahoo in "American Journal of Bioinformatics Research", 2(4):40-46, February 2012, Scientific & Academic Publishing. <https://doi.org/10.5923/J.BIOINFORMATICS.20120204.02>
6. "BiCross: A Biclustering Technique for Gene Expression Data using One Layer Fixed Weighted Bipartite Graph Crossing Minimization" with Suwendu Kanungo and Gadadhar Sahoo in "International

Journal of Computer Applications” 29(4):28-34, September 2011, Published by Foundation of Science, New York, USA. <https://doi.org/10.5120/3553-4880>

5. “A Semantic Preserving Distance Measure: Dset” with Reena Srivastava in “International Journal of Information Processing”, 4(1):36-45, 2010, I K International Publishing House Pvt. Ltd., New Delhi, India. This paper is an extended version of the paper Dset: A Semantic Distance Measure published in ICIP 2009.
4. “Localization Scheme for Three Dimensional Wireless Sensor Networks Using GPS Enabled Mobile Sensor Nodes” with Vibha Yadav, Manas Kumar Mishra and Anil Kumar Singh. Presented in the First International Conference on Networks and Communication (NetCom-09), Chennai, India, 27-29 December 2009. AND Published in “International Journal of Next-Generation Networks (IJNGN)”, 1(1):60-72, December 2009, AIRCC Publishing Corporation.
3. “An Experimental Study to Compare ER/EER and OO models” with S K Jain and Gulab Singh in “International Journal of Computing Science and Communication Technologies (TECHNIA)”, 2(1):221-228, July 2009. <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.800.722&rep=rep1&type=pdf>
2. “Database for Moving Vehicles in Context of Indian Environment” with S. K. Jain and B. D. Chaudhary, in “Journal of the CSI”, 30(3):38-47, September 2000.
1. “Testable PLA Designs with Reduced Test Set” with M. R. Mukerjee, in “Journal Institution of Engineers”, Malaysia, 57(2):7-15, 1996.

## Book:

2. “**Computer Networks: Theory & Practicals**” with Brijendra Pratap Singh, available on <https://ekumbh.aicte-india.org/dbook.php>, © All India Council for Technical Education (AICTE), ISBN : 978-81-961834-5-5, March, 2023
1. *Proceedings of 3<sup>rd</sup> International Conference, ICDCIT 2006*, held at Bhubaneswar, India, titled 'Distributed Computing and Internet Technology', with Sanjay K. Madria, Kajal T. Claypool, Rajgopal Kannan and Prem Uppuluri. Ebook ISBN: 978-3-540-68380-3. <https://doi.org/10.1007/11951957>

## Book Chapters:

4. “Employing Deep Neural Network for Early Prediction of Students’ Performance” with Sachin Garg, and Abdul Aleem, Published as Book Chapter in Book entitled S. K. Udgata et al. (eds.), Intelligent Systems, Lecture Notes in Networks and Systems 185, [https://doi.org/10.1007/978-981-33-6081-5\\_44](https://doi.org/10.1007/978-981-33-6081-5_44) 2021

3. “Employing Data Augmentation for Recognition of Hand Gestures using Deep Learning” with Deepak Kumar, and Abdul Aleem, Published as Book Chapter in Book entitled H. Sharma et al. (eds.), Intelligent Learning for Computer Vision, Lecture Notes on Data Engineering and Communications Technologies 61, [https://doi.org/10.1007/978-981-33-4582-9\\_25](https://doi.org/10.1007/978-981-33-4582-9_25) 2021
2. “TOO-MUCH: Testing Online Over MNNIT Unified Coding Hub”, with Deepanshu Gupta, Dhruv Sharma, G. Sree Deepthi, Yogeshwar Patel, Pawan Subedi, and Abdul Aleem, Book Chapter in book entitled “Computing Algorithms with Applications in Engineering”, Book Series - Algorithms for Intelligent Systems, eBook ISBN: 978-981-15-2369-4, Springer Nature Singapore. [https://doi.org/10.1007/978-981-15-2369-4\\_5](https://doi.org/10.1007/978-981-15-2369-4_5)
1. “Smart DC Microgrid: A Cyber-Physical System Perspective” with Brijendra Pratap Singh, Book Chapter in book entitled “Technological Developments in Industry 4.0 for Business Applications”, ISBN13: 9781522549369, IGI Global (September 2018). <https://doi.org/10.4018/978-1-5225-4936-9.ch005>

## Papers in Conference Proceedings:

69. “A Comprehensive Solar Power Based Energy and Information Technology Infrastructure Design for Indian Villages” with Brijendra Pratap Singh presented in First International Conference on Advancement in Energy (**ऊर्जाSangam-2023**) at MNNIT Allahabad, Prayagraj, India, December 2023.
68. “Enhanced Quality of Reconstructed Holographic Image using Fresnel Diffraction and Filters” with Java Sonker, presented in IEEE 7th Conference on Information and Communication Technology (**IEEE CICT-2023**), at PDPM IIITDM Jabalpur, India, December 2023.
67. “Diabetic Retinopathy Detection based on LBP and Statistical Features using Machine Learning” with Imtiyaz Ahmad and Vibhav Prakash Singh, presented at 2023 IEEE International Conference on Computer, Electronics & Electrical Engineering and their applications (IC2E3) NIT Uttarakhand, Srinagar, Pauri (Garhwal), India, June, 2023
66. “Machine Learning Approaches for the Detection of Schizophrenia Using Structural MRI” with Ashima Tyagi, and Vibhav Prakash Singh, In Book Advanced Network Technologies and Intelligent Computing: Second International Conference, ANTIC 2022, Varanasi, India, December 22–24, 2022, Proceedings, Part II, Pages 423-439 Publisher **Springer Nature** Switzerland, Publication date **2023/3/22**, [https://doi.org/10.1007/978-3-031-28183-9\\_30](https://doi.org/10.1007/978-3-031-28183-9_30)
65. “An Improved Feature Selection Algorithm for Autism Detection” with Uday Singh, and Shailendra Shukla presented at 9th IEEE International Conference on Electrical, Electronics and Computer Engineering (UPCON) , ©2022 IEEE

DOI: 10.1109/UPCON56432.2022.9986364

64. "Improved Detection of Coronary Artery Disease Using DT-RFE Based Feature Selection and Ensemble Learning" with Ashima Tyagi, and Vibhav Prakash Singh presented at International Conference on Advanced Network Technologies and Intelligent Computing, **17-18 DECEMBER, 2021**, ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE, INSTITUTE OF SCIENCE, BANARAS HINDU UNIVERSITY, VARANASI, India, In: Woungang I., Dhurandher S.K., Pattanaik K.K., Verma A., Verma P. (eds) Advanced Network Technologies and Intelligent Computing. ANTIC 2021. Communications in Computer and Information Science, vol 1534. Springer, Cham. [https://doi.org/10.1007/978-3-030-96040-7\\_34](https://doi.org/10.1007/978-3-030-96040-7_34) (2022)
63. "LRCN Based Application Classification in SDN" with Adarsh Rai, and Abdul Aleem, in "Proceedings of 10th International Conference on Soft Computing for Problem Solving (SocPros-2020)", held online by Soft Computing Research Society, New Delhi, India, 18-20 December 2020
62. "Employing Deep Neural Network for Early Prediction of Students' Performance" with Sachin Garg, and Abdul Aleem, in "Proceedings of International Conference on Machine Learning, Internet of Things and Big Data, (ICMIB-2020)", held online at IGIT Sarang, Odisha, India (19-20 September 2020). DOI: [https://doi.org/10.1007/978-981-33-6081-5\\_44](https://doi.org/10.1007/978-981-33-6081-5_44)
61. "Employing Data Augmentation for Recognition of Hand Gestures using Deep Learning" with Deepak Kumar, and Abdul Aleem in "Proceedings of Congress on Intelligent Systems (CIS-2020)", held online at Soft Computing Research Society, New Delhi, India (05-06 September 2020). [https://doi.org/10.1007/978-981-33-4582-9\\_25](https://doi.org/10.1007/978-981-33-4582-9_25)
60. "Educational Data Mining Methods: A Survey" with Abdul Aleem in "Proceeding of 9<sup>th</sup> IEEE International Conference on Communication Systems and Network Technologies (CSNT-2020)", held online at Gwalior, India (10-12 April 2020). <https://doi.org/10.1109/CSNT48778.2020.9115734>
59. TOO-MUCH: Testing Online Over MNNIT Unified Coding Hub", with Deepanshu Gupta, Dhruv Sharma, G. Sree Deepthi, Yogeshwar Patel, Pawan Subedi, and Abdul Aleem, In proceedings of 1<sup>st</sup> International Conference on Computing Applications in Electrical and Electronics Engineering (IC-CAEEE-2019), held at REC Sonbhadra, (30-31 August 2019). [https://doi.org/10.1007/978-981-15-2369-4\\_5](https://doi.org/10.1007/978-981-15-2369-4_5)
58. "Boomerang: Blockchain-based Freelance Paradigm on Hyperledger" with Babu Pallam in "Proceedings of The 10<sup>th</sup> International Conference on Computing, Communication And Networking Technologies (ICCCNT)", pp. 43-47, held at IIT Kanpur (06-08 July 2019). <https://doi.org/10.1109/ICCCNT45670.2019.8944572>
57. "FAST: Freelancing Avenues State of Technologies" with Babu Pallam in "Proceedings of the 5<sup>th</sup> International Conference on E-Business and Applications (ICEBA 2019)" held at Bangkok, Thailand (25-28 February 2019). <https://doi.org/10.1145/3317614.3317629>
56. "A Fibonacci Heap Based Ensemble Model for Stock Price Prediction" with Vijay Kumar Dwivedi in "Proceeding of 2<sup>nd</sup> International Conference on Advanced Computing and Software Engineering

(ICACSE-2019)” held at KNIT Sultanpur (8-9 February 2019).  
<https://dx.doi.org/10.2139/ssrn.3368764>

55. “A Study of Manuscripts Evolution to Perfection” with Abdul Aleem and Akhilesh Kumar in “Proceeding of 2<sup>nd</sup> International Conference on Advanced Computing and Software Engineering (ICACSE-2019)” held at KNIT Sultanpur (8-9 February 2019). <https://ssrn.com/abstract=3350277>
54. “Demand Side Management of a University Load in Smart Grid Environment” with Jwngsar Basumatary and Brijendra Pratap Singh in Workshops ICDCN 2018, held at IIT (BHU) Varanasi (4-7 January 2018). <https://doi.org/10.1145/3170521.3170524>
53. “Information Security using Visual Cryptographic Technique for Resource Constrained Devices”, with Rahul Kumar Singh and Brijendra Pratap Singh in “Conference on Information and Communication Technology (CICT 2017)”, held at ABV-IIITM Gwalior (November 3-5, 2017). <https://doi.org/10.1109/INFOCOMTECH.2017.8340638>
52. “AdhocInfra Toggle: Opportunistic Auto-configuration of Wireless Interface for Maintaining Data Sessions in WiFi Networks” with Anurag Sewak, Prakhar Mehrotra, Bhaskar Jha, and Mayank Pandey in “ADHOC-NOW 2017”, held at Messina, Italy (September 20-22, 2017). [https://doi.org/10.1007/978-3-319-67910-5\\_15](https://doi.org/10.1007/978-3-319-67910-5_15)
51. “An Efficient System for Stock Price Direction Prediction” with Vishwajeet Rana and Vijay Kumar Dwivedi in “Fourth International Conference on Business Analytics and Intelligence (ICBAI-2016)”, held at IISc Bangalore (19-21 December 2016).
50. “Green Energy Generation from Moving Vehicles” with Brijendra Pratap Singh in “International Conference on Design and Manufacturing (IConDM-2016)” held at IIITDM Kancheepuram, Chennai (16-17 December 2016). <https://www.ijest.info/issue.php?file=vol09issue09S>
49. “Byzantine Fault Tolerance for Real Time Price in Hierarchical Smart Grid Communication Infrastructure” with Deepika Durgvanshi and Brijendra Pratap Singh in “7<sup>th</sup> Power India International Conference” held at Govt. Engineering College Bikaner, Rajasthan (November 25-27, 2016). <https://doi.org/10.1109/POWERI.2016.8077386>
48. “Forming Structured P2P Overlays over Disjoint MANET Clusters”, with Anurag Sewak and Mayank Pandey in “10<sup>th</sup> IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016)” held at Bangalore (6-9 November 2016). <https://doi.org/10.1109/ANTS.2016.7947864>
47. “Implementation of MapReduce over structured Peer-to-Peer overlay of underutilized resources” with Shashwati Banerjea, Mayank Pandey, Ashish Kumar and Rishabh Dugar in “10<sup>th</sup> IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2016)” held at Bangalore (6-9 November 2016) <https://doi.org/10.1109/ANTS.2016.7947816>
46. “Performance Evaluation of Peer-to-Peer Structured Overlays over Mobile Ad hoc Networks having Low Dynamism” with Anurag Sewak and Mayank Pandey in “International Conference on Mobile,

Secure and Programmable Networking (MSPN-2016)” held at Paris, France(June 2016), LNCS 10026, Springer Berlin Heidelberg. [https://doi.org/10.1007/978-3-319-50463-6\\_17](https://doi.org/10.1007/978-3-319-50463-6_17)

45. “Towards Peer-to-Peer Solution for Utilization of Volunteer Resources to Provide Computation-as-a-Service” with Shashwati Banerjea and Mayank Pandey in “The 30<sup>th</sup> IEEE International Conference on Advanced Information Networking and Applications (AINA)”, held at Crans-Montana, Switzerland, (23-25 March, 2016), pp 1146-1153. <https://doi.org/10.1109/AINA.2016.46>
44. “LDC-MAC: Low latency DC-MAC protocol for wireless sensor network” with Sansar Singh Chauhan in “Proceedings of the CUBE International Information Technology Conference (CUBE'12)” held at Pune (September 3-5, 2012), pp 133-137, <http://doi.acm.org/10.1145/2381716.2381743>
43. “DC-MAC: Dual Channel Energy Efficient MAC Protocol for Mobile Wireless Sensor Nodes” with Sandeep Singh and Sansar Singh Chauhan in “Proceedings of 8<sup>th</sup> IEEE Asia Pacific Wireless Communication Symposium (IEEE APWCS 2011)” held at Singapore (22- 23 August, 2011).
42. “An Accurate and Self-correcting Localization Algorithm for UWSN Using Anchor Nodes of Varying Communication Range” with Manas Kumar Mishra and Neha Ojha in “Proceedings of the 6<sup>th</sup> International Conference on Grid and Pervasive Computing (GPC 2011)” held at Oulu, Finland (May 11-13, 2011), pp 285-294, LNCS 6646 Springer 2011. [https://doi.org/10.1007/978-3-642-20754-9\\_29](https://doi.org/10.1007/978-3-642-20754-9_29)
41. Trustworthy Path Discovery in MANET - A Message Oriented Cross-Correlation Approach with Girish Kumar Patnaik. In the proceedings of the Seventh International Symposium on Frontiers of Information Systems and Network Applications (FINA 2011) ( 25<sup>th</sup> IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2011), IEEE 2011, ISBN 978-1-61284-829-7 , pp 170-177, Biopolis, Singapore, March 22-25, 2011. <https://doi.org/10.1109/WAINA.2011.69>
40. An improved forwarder selection approach for energy aware geographic routing in three dimensional wireless sensor networks with Manas Kumar Mishra. In the proceedings of the 2011 International Conference on Communication, Computing & Security (ICCCS 2011), ACM 2011, ISBN 978-1-4503-0464-1, pp 166-171, Odisha, India, February 12-14, 2011. <https://doi.org/10.1145/1947940.1947976>
39. Robust and Distributed Range-Free Localization Using Anchor Nodes with Varying Communication Range for Three Dimensional Wireless Sensor Networks with Manas Kumar Mishra. In the proceedings of the 7<sup>th</sup> International Conference on Distributed Computing and Internet Technology (ICDCIT 2011), LNCS 6536 Springer 2011, ISBN 978-3-642-19055-1, pp 209-220, Bhubaneswar, India, February 9-12, 2011. [https://doi.org/10.1007/978-3-642-19056-8\\_15](https://doi.org/10.1007/978-3-642-19056-8_15)
38. On Optimal Space Tessellation with Deterministic Deployment for Coverage in Three Dimensional Wireless Sensor Networks with Manas Kumar Mishra. In the proceedings of the Sixth International Conference on Distributed Computing and internet Technology (ICDCIT-2010), ISSN 0302-9743, ISBN-10 3-642-11658-2, ISBN-13 978- 3-642-11658-2, LNCS 5966, pp 72-83, Bhubaneswar, India, 15-17 February 2010. [https://doi.org/10.1007/978-3-642-11659-9\\_6](https://doi.org/10.1007/978-3-642-11659-9_6)

37. Tree-Like Peer-to-Peer Symmetric Key Management in Mobile Ad-hoc Network with Girish Kumar Patnaik. In the proceedings of the First International Conference on Networks and Communication (NetCom-09), ISBN 978-0-7695-3924-9, pp 196-201, Chennai, India, 27-29 December 2009. <https://doi.org/10.1109/NetCoM.2009.46>
36. Mindex: A relevance measure for interval scaled attributes with Reena Srivastava. In the proceedings of Fourth Indian International Conference on Artificial Intelligence, ISBN 978-0-9727412-7-9, pp 2140-2157, Tumkur, Bangalore, India, 16-18 December 2009.
35. Energy Aware Beacon-less Geographical Routing in Three Dimensional Wireless Sensor Networks with Megha Jain and Manas Kumar Mishra. In the proceedings of the First International Conference on Advance Computing (ICAC-09), ISBN 978-1-4244-4787-9, pp 122-128, Chennai, India, 13-15 December 2009. <https://doi.org/10.1109/ICADVC.2009.5378240>
34. Dset: A Semantic Distance Measure with Reena Srivastava. In the proceedings of the Third International Conference on Information Processing (ICIP 2009) ISBN 978-93-80026-72-5, pp 419-428, Bangalore, India, 7-9 August 2009.
33. GCLOD: A Clustering Algorithm for Improved Intra-cluster Similarity and Efficient Local Outliers Detection with Abdul Aleem, Reena Srivastava and Anil Kumar Singh. In the proceedings of the Fifth International Conference on Data Mining (DMIN-09) ISBN 1-60132-099-X, pp 524-530, Las Vegas Nevada, USA, 13 -16 July 2009.
32. Cluster management in the known area of deployment for wireless sensor network with Sarvesh Singh, In the Proceedings of The Sixteenth IEEE International Conference on Networks (ICON'08) ISBN Number 978-1-4244-3805-1, New Delhi, December 2008. <https://doi.org/10.1109/ICON.2008.4772643>
31. Metadata Extraction from Semi Structured E-mail document with Ashok Kumar Sharma and B. D. Chaudhary, In the Proceedings of The Third International Multi Conference on computing in the Global Information Technology (ICCGI'08) ISBN Number 978-0-7695-3275-2, Athens, 27<sup>th</sup> July to 1<sup>st</sup> August 2008, pp. 56-61 <https://doi.org/10.1109/ICCGI.2008.52>
30. A MICROCLUSTERING based method for multi-class classification in multi-relational databases with Reena Shrivastava, In the proceedings of the Fourth International Conference on Data Mining (DMIN-08) ISBN Number 1-60 132-060-4, Las Vegas Nevada, USA, CSRA Press pp. 14-20, 14<sup>th</sup> to 17<sup>th</sup> July 2008
29. A New Top-Down Hierarchical Multi-hop Routing Protocol for Wireless Sensor Networks with M.P.Singh, In the Proceedings of International Conference on Distributed Computing & Networking(ICDCN 2008), LNCS 4904, Kolkata, pp. 428-433Jan,2008. [https://doi.org/10.1007/978-3-540-77444-0\\_44](https://doi.org/10.1007/978-3-540-77444-0_44)
28. Hasslefree: Simplified Access Control Management for XML Documents with Ashish Tripathi, In the Proceedings of 4<sup>th</sup> International Conference on Distributed Computing & Internet Technology(ICDCIT 2007), LNCS 4882, Bangalore, India, pp. 116-128, December 17-20, 2007. [https://doi.org/10.1007/978-3-540-77115-9\\_12](https://doi.org/10.1007/978-3-540-77115-9_12)



27. Network Mobility for Mobile Ad hoc Network in IPv4 Infrastructure Network with Pankaj Kumar, In the Proceedings of 2<sup>nd</sup> International Conference on Advanced Computing & Communication Technologies, APIIT, Panipat, India, pp. 336-340, November 03-04, 2007.
26. Secure Data Management in Reactive Sensor Networks with L. Chaithanya and M. P. Singh, In the Proceedings (Lecture Notes in Computer Science Series numbered 4332 published by Springer Verlag) of Second International Conference on Information System Security(ICISS-06) held at Kolkata, December 2006, pp 235-248. [https://doi.org/10.1007/11961635\\_16](https://doi.org/10.1007/11961635_16)
25. An Adaptive and Preemptive Algorithm for Faster Handoffs in WLAN with Vijay Ukani, at International Conference on Next Generation Communication Systems (ICONGENCOM-2006) held in J K Institute, University of Allahabad, Allahabad, India, December 2006, pp 15-20.
24. Cluster Based Routing Protocol for Energy Efficient Query Delivery in Wireless Sensor Networks with N. Jayalakshmi and Vijay Ukani, at International Conference on Next Generation Communication Systems (ICONGENCOM-2006) held in J K Institute, University of Allahabad, Allahabad, India, December 2006, pp 25-30.
23. Secure Adaptive Clustering Protocol for Wireless Sensor Networks with M.P. Singh and G. V. Krishna Rao, at thirteenth International Conference on Advanced Computing and Communication (ADCOM 2005), held at Coimbatore, Tamilnadu, India, 14-17 December 2005.
22. A New energy-efficient Clustering protocol for Wireless Sensor Networks with M. P. Singh, at Second International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP 2005) held at Melbourne, Australia 5-8 December 2005. The Proceeding of conference is published in IEEE Explore. <https://doi.org/10.1109/ISSNIP.2005.1595551>
21. A Solution to Sensor Network Coverage Problem with M. P. Singh, in Proceedings of 7<sup>th</sup> IEEE International Conference on Personal Wireless Communication (ICPWC-2005) New Delhi, INDIA, January 2005 pp 77-80. <https://doi.org/10.1109/ICPWC.2005.1431305>
20. Something is Better than Nothing' Curbing and Curing Distributed Denial of Service of Attack with Lokesh Krishan Gupta, in the Proceedings (ISBN: 81-7764-717-2) of 12<sup>th</sup> International Conference on Advances in Computing and Communication (ADCOM-2004) held at Ahmedabad, INDIA, December 2004. pp 247-252.
19. BUSTRAP- An Efficient Travel Planner for Metropolitans with Sandeep Gupta, In the Proceedings (Lecture Notes in Computer Science Series numbered 3326 published by Springer Verlag) of Sixth International Workshop on Distributed Computing (IWDC 2004) at Kolkata, INDIA, December 2004 pp 537. [https://doi.org/10.1007/978-3-540-30536-1\\_64](https://doi.org/10.1007/978-3-540-30536-1_64)
18. Path Stability based Adaptation of MANET Routing Protocols with Sandeep Chaudhary and O P Vyas, In the Proceedings (Lecture Notes in Computer Science Series numbered 3326 published by Springer Verlag) of Sixth International Workshop on Distributed Computing (IWDC 2004) held at Kolkata, INDIA, December 2004 pp 198-203. [https://doi.org/10.1007/978-3-540-30536-1\\_24](https://doi.org/10.1007/978-3-540-30536-1_24)

17. Team Transaction: A New Transaction Model for Mobile Ad Hoc Networks with Ankur Gupta, Nitin Gupta, and R K Ghosh In the Proceedings (Lecture Notes in Computer Science Series numbered 3347 published by Springer Verlag) of International Conference on Distributed Computing and Internet Technology (ICDCIT-04) at Bhubaneswar INDIA, December 2004 pp 127-134. [https://doi.org/10.1007/978-3-540-30555-2\\_15](https://doi.org/10.1007/978-3-540-30555-2_15)
16. An Extension to ER Model for Top-Down semantic modelling of databases of applications with S.K. Jain and Gulab Singh In the Proceedings (Lecture Notes in Computer Science Series numbered 3356 published by Springer Verlag) of Seventh Annual International Conference on Information Technology (CIT04), Hyderabad, INDIA, December 2004 pp 253-262 [https://doi.org/10.1007/978-3-540-30561-3\\_27](https://doi.org/10.1007/978-3-540-30561-3_27)
15. Mitigating distributed denial of service attack with Lokesh Krishan Gupta in proceedings of International Conference on Distributed Processing and Networking DPN04, IIT Kharagpur, Kharagpur, India, June 2004, pp 72-76.
14. An Extensible Framework for Language Message Server with M P Singh in proceedings of Sixth Annual International Conference Information Technology (CIT03), Bhubaneshwar, Orissa, INDIA, December 2003. pp 588-589
13. Entity Relationship Schema Compression Technique Based on Use of Tables with S.K. Jain and Gulab Singh in proceedings of Sixth Annual International Conference on Information Technology (CIT03), Bhubaneshwar, Orissa, INDIA, December 2003. pp 455-460 <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.108.9363&rep=rep1&type=pdf>
12. Database Design for Nationwide Information System to Govern Country Effectively with S.K Jain and Gulab Singh in proceedings of the International Conference on E-Governance, New Delhi, December 2003.
11. Design and Implementation of LRS - A Case Study with S. K. Jain and Gulab Singh, in proceedings of Sixth Annual International Conference Map India 2003, New Delhi January 2003.
10. Design of Compiler for Mobile Environment and Its Formalization using Evolving Algebra with G. K. Patnaik, in proceedings of the Third International Conference on Mobile Data Management (MDM02), Singapore, January 2002. pp 159-160. <https://doi.org/10.1109/MDM.2002.994408>
9. Design and Implementation of Extended Transaction Support System with R. K. Ghosh, in proceedings of the Fourth International Conference on Information Technology(CIT01), Gopalpur on Sea, Orissa, INDIA, December 2001 pp 138-143
8. Contention-free Team Transaction Management and Recovery on Mobile Networks with Ad Hoc Groupings with R. K. Ghosh, in proceedings of the Fourth International Conference on Information Technology(CIT01), Gopalpur on Sea, Orissa, INDIA, December 2001 pp 31-36
7. Team Transaction: A New Transaction Processing Model for Mobile Ad Hoc Networks , with Ankur Gupta, Nitin Gupta and R. K. Ghosh Technical Report, Dept of CSE, IIT-Kanpur, November 2001

6. Recovery of Mobile Transactions with R. K. Ghosh in proceedings of the 11th International Workshop on Database and Expert Systems Applications (DEXA), September 2000, London UK, pp 23-27 <https://doi.org/10.1109/DEXA.2000.874999>
5. Design of a Storage Manager Extendible in Transaction Support with R. K. Ghosh in Proceedings of Computer and Communication Engineering Technical Conference of the World Engineering Congress at Kuala Lumpur Malaysia July 1999
4. Recovery in Distributed Extended Long-lived Transaction Models with R.K.Ghosh in Proceedings of VI International Conference on Database Systems for Advanced Applications DASFAA '99' at Hsinchu, Taiwan, R.O.C, April 1999. <https://doi.org/10.1109/DASFAA.1999.765765>
3. Two New Cost-effective BIST PLA Designs with M.R.Mukerjee and S.S.Basak, In Proceedings of XVI National Systems Conference, Madras (Chennai), India, pp 211-215, February 1993.
2. A Combinatorial method of Grouping Product-Terms for PLA Design with M.R.Mukerjee, In Proceedings of International AMSE Conference " Signals and Data Systems " Calcutta, India, AMSE press, Vol. 3, pp 75-90, December 1992.
1. Function Dependent Testable PLA Design with reduced Test-Set with M. R. Mukerjee, In Proceedings of XV National Systems Conference, Roorkee, India, pp 248-252 March 1992

May also look into **DBLP** <https://dblp.org/pid/28/885.html>