

Select List of Publications Involving NetSim				
Sl No	Paper / Article Name	Journal / Publication	Date	Authors
1	A Review of Simulation of Telecommunication Networks: Simulators, Classification, Comparison, Methodologies, and Recommendations	Cyber Journals: Multidisciplinary Journals in Science and Technology, Journal of Selected Areas in Telecommunications (JSAT), March Edition, 2011	Mar-11	Nurul I. Sarkar, Senior Member, IEEE and Syafnidar A. Halim
2	Optimization technique for configuring IEEE 802.11b access point parameters to improve VoIP performance	2010 13th International Conference on Computer and Information Technology (ICCIIT)	Mar-11	Tamal Chakraborty, Atri Mukhopadhyay, Iti Saha Misra, Saill K. Sanyal
3	Improving MAC Layer Performance in WLAN	B Tech Thesis, NIT Rourkela	Mar-12	Nitish Kumar Panigrahy, Manat Kanher
4	An Optimization Technique for Improved VoIP Performance over Wireless LAN	Journal of Networks, Vol.7 No. 3	Mar-12	Tamal Chakraborty, Atri Mukhopadhyay, Suman Bhunia, Iti Saha Misra, Saill K. Sanyal
5	An Optimization Technique for Improved VoIP Performance over Wireless LAN	Journal of Networks, VOL. 7, NO. 3, MARCH 2012	Mar-12	Tamal Chakraborty, Atri Mukhopadhyay, Suman Bhunia, Iti Saha Misra, Saill K. Sanyal
6	Network Simulation Tools Survey	International Journal of Advanced Research in Computer and Communication Engineering Vol. 1, Issue 4, June 2012	Jun-12	Mrs. Saba Siraj , Mr. Ajay Kumar Gupta , Mrs Rinku-Badgujar
7	Design and Implementation of LRC and CRC algorithms in Netsim	International Journal of Engineering Research and Applications. Vol. 2, Issue 3,	Jun-12	Rakesh S
8	Implementation of longitudinal redundancy check and cyclic redundancy check algorithms using NetSim	International Journal of Advances in Computer Networks and its Security	Jul-12	Dr. M. Sidappa, Rakesh S, Soumya M N
9	Video Traffic Architecture in NetSim	TETCOS White Paper	Jul-12	Swathi Pathak (IIT Kanpur), Shashikant Suman, Pranav Viswanathan
10	Performance Evaluation of IEEE 802.15.4 based Wireless Sensor Networks	TETCOS White Paper	Jul-12	Tarun Krishna (IIT Madras), Shashikant Suman, Pranav Viswanathan
11	A Comprehensive Overview on Different Network Simulators	International Journal of Engineering and Technology (IJET)	Mar-13	Christhu raj M.R, Namrata marium Chacko, John major, Shubin. D
12	Wireless Sensor Network Simulation Using NetSim	Electronics For You;Apr2013, Vol. 1 Issue 12, p106	Apr-13	Tarun Krishna, Shashikant Suman, Pranav Viswanathan
13	Estimation of Carrier Sense Range and its effect on Performance of IEEE 802.15.4 Sensor Networks	B Tech Thesis, IIT Madras	May-13	Tarun krishna
14	Performance Evaluation of Multi-hop Wireless Sensor Networks	TETCOS White Paper	Jul-13	Vikas Neelam (IIT Madras) Shashikant Suman, Pranav Viswanathan
15	A Review: Wireless Sensor Networks and Its Application, Platforms, Standards and Tools	International Journal of Computer Trends and Technology (IJCTT) Volume 4 Issue 8 August 2013	Aug-13	K.Sarammal, R.A.Roseline
16	ZigBee- based Wireless Electronic Scale and its Network Performance Analysis for the Application of Smart Billing System in Super Markets	Indian Journal of Science and Technology, Vol 7(3), 352-359,	Mar-14	R. Sivakumar, A. Maheswari and P. Pushpa
17	Performance EvaluationBased on Energy Detection and Operational Interval of Spectrum Sensing In Cognitive Radio	Journal of Computer Science and Information Technology March 2014, Vol. 2, No. 1, pp. 65-74	Mar-14	Shalini, V S Jadhav
18	Securing the Femtocells: Anonymity and Location Privacy	Indian Journal of Science and Technology, Vol 7(S4), 46-51	Apr-14	Marc del Valle, B. Manikandan and V. S. Shankar Sriram,
19	Comparative study of DSR, AODV Routing Protocol for WPAN Using NetSim Simulator	International Journal of Advanced Research in Computer Science. Volume 5, No. 4,	Apr-14	Padmalaya Nayak, Saraswati Bhakare, Nazia Tabassum
20	A Study on Large Scale Network Simulators	(IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 5 (6) , 2014	May-14	Gayatri Borboruah, Gypsy Nandi
21	A Survey on Protocols, Platforms and Simulation Tools for Wireless Sensor Networks	International Journal of Energy, Information and Communications. Vol.5, Issue 6 (2014)	May-14	Mohammed Abo-Zahhad*, Osama Amin, Mohammed Farrag and Abdelhay Ali
22	Collusion Based Realization of Trust and Reputation Models in Extreme Fraudulent Environment over Static and Dynamic Wireless Sensor Networks	International Journal of Distributed Sensor Networks Volume 2014 (2014), Article ID 672968, 9 pages	May-14	Vinod Kumar Verma, Surinder Singh, and N. P. Pathak,
23	An Enerby Efficient and reliable clustering algorithm for wireless sensor actor network	International Journal of Computer Engineering and Applications, Volume VI, Issue III,	Jun-14	Vijay M. Galshetwar, Prof. Amutha Jayekumar, Madhuri R. Tayade
24	Verification of MAC Scheduling algorithms in NetSim	TETCOS White Paper	Jul-14	Aditya Tiwari (IIT Kgp) Shashikant Suman, Pranav Viswanathan
25	Development of MAC and PHY layers for 802.11 ac based WLAN Protocols in NetSim	B Tech Thesis, BITS Hyderabad	Jul-14	Kishore Kovali
26	Network Simulators for next generation networks: An overview	International Journal of Mobile Network Communications & Telematics (IJMNET) Vol. 4, No.4,August 2014	Aug-14	Monika , Akhil Kaushik and Mani Shekhar

27	Comparison of Routing Protocols in WSN using NetSim Simulator: LEACH Vs LEACH-C	International Journal of Computer Applications (0975 – 8887)	Nov-14 Padmalaya Nayak, Pallavi Shree
28	Performance Evaluation of IEEE 802.22 WRAN Based on Cognitive Radio through NETSIM	International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 11, November 2014	Nov-14 Shalini, V. S Jadhav, Raju Wadekar
29	Reliability Evaluation of Mobile Ad-hoc Networks in Case of Node Failure	IJCSNT Vol.3, No.1, 2014	Dec-14 Anil Choudhary, O.P Roy, T. Tuithung
30	Comparison of TCP Congestion Control Algorithms using NetSim™	TETCOS White Paper	Dec-14 Sai Rohan (BITS Pilani), Shashikant Suman, Pranav Viswanathan
31	Comparison of reactive routing protocols with Random way point and random walk mobility model for MANET using NetSim Simulator	International Conference on Computer Communication and Informatics (ICCCI -2015), Jan. 08 – 10, 2015, Coimbatore, INDIA	Jan-15 Padmalaya Nayak
32	Analysis of DSR protocol for MANET under black-hole and sink-hole attack using NetSim Simulator	IJECCCT, Volume 5 Issue ICICC (May 2015)	Feb-15 Padmalaya Nayak, B. Labanya, V Bhavani,
33	Impact of Black-hole and Sink-hole Attack on LEACH-C protocol in WSN	ICACNI, KIT Bhubaneswar	Feb-15 Padmalaya Nayak, Bhabani V, B. Labanya
34	Analysis of Random Way Point and Random Walk Mobility Model for Reactive Routing Protocols for MANET Using NetSim Simulator	2015 Third International Conference on Artificial Intelligence, Modelling and Simulation 978-1-4673-8675-3/15 \$31.00 © 2015 IEEE	Mar-15 Padmalaya Nayak, Pallavi Shree
35	Intrusion Detection Algorithm for Mitigating Sinkhole Attack on LEACH Protocol in Wireless Sensor Networks	Hindawi. Journal of sensors, Articles in Press	Mar-15 Ranjeeth Kumar Sundararajan, Umamakeswari Arumugam
36	A Comprehensive Review of Simulation Tools for Wireless Sensor Networks (WSNs)	Journal of Wireless Networking and Communications 2015, 5(1): 19-47	May-15 Anand Nayyar, Rajeshwar Singh
37	Quality Analysis of Cognitive Radio Networks based on Modulation Techniques	2015 International Conference on Computational Intelligence and Communication Networks	Jun-15 JYOTSHANA KANTI, ASHISH BAGWARI, GEETAM SINGH TOMAR
38	Reliability Modeling of a Cluster Based Distributed Mobile Ad-hoc Network	International Journal of Computing and Digital Systems ISSN (2210-142X) Int. J. Com. Dig. Sys. 4, No.3	Jul-15 Anil Choudhary, O. P. Roy, and T. Tuithung
39	Performance Analysis of 802.22 based Cognitive Radio Networks	Thesis Paper	Jul-15 Shubham Gupta, Pranav Viswanathan, Shashikant Suman
40	Performance Analysis of LEACH with Machine Learning Algorithms in Wireless Sensor Networks	International Journal of Computer Applications (0975 –8887) Volume 147 –No.2, August 2016	Aug-16 Sukhchandan Randhawa, Sushma Jain
41	Inter-layer communication based QoS platform for real time multimedia applications in MANET	2016 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)	Sep-16 Mamata Rath, Binod Kumar Pattanayak, Bibudhendu Pati
42	Dynamic spectrum access analysis in cognitive radio based wireless regional area network	http://ieeexplore.ieee.org/abstract/document/7727010/	Nov-16 Jayant Pawar, Prashant Ingole
43	OLD TAHOE AND TAHOE CONGESTION CONTROL ALGORITHMS FOR TCP	Copyright © 2017 Al-Qadisiyah Journal For Engineering Sciences. All rights reserved.	Jan-17 SABBAR INSAIF JASIM
44	Performance Evaluation of MANET Routing Protocols using NetSim	i-manager's Journal on Information Technology, Vol. 6 INo. 11 December 2016 · February 2017	Feb-17 Gurpreet Singh, Hardeep Singh
45	Clustering Algorithm for Wireless Sensor Networks using Event Driven Iterative Clustering Approach	National Conference on innovations and Emerging Technologies for Future Smart Cities	Apr-17 Akhila I. S, Subaselvi, S
46	Performance Evaluation of Routing Protocol in Internet of Things using Netsim	International Journal of Advanced Research in Computer Science. Volume 8, No. 3, March – April 2017	Apr-17 Gurpreet Singh, Amandeep Kaur Cheema
47	Performance Evaluation of DSR, OLSR and ZRP using NETSIM Simulator	International Journal of Advanced Research in Computer Science. Volume 8, No. 3, March – April 2017	Apr-17 Gurpreet Singh, Rajat Khurana
48	Energy Efficient Recursive Clustering Approach for Wireless Sensor Networks	International Journal of Electronics, Electrical and Computational System (IJECCS). Vol 6, Issue 5	May-17 Akhila I. S, Subaselvi, S
49	Network performance & Quality of service in data networks involving spectrum utilization techniques	PhD Thesis. School of Engineering and Sustainable Development Faculty of Technology. De Montfort University. UK	May-17 Hassan Ali Fadel Hassan Mohammed Darwish
50	Event Driven Recursive Clustering Algorithm for Wireless Sensor Networks	International Conference on Innovations, Embedded and Communication Systems	Jun-17 Akhila I. S, Subaselvi, S
51	Improved Performance of DSR Protocol in Node Failure in MANET Using Netsim	i-manager's Journal on Information Technology, 6(3)	Jun-17 Singh, G. and Khurana, R
52	Performance Analysis of MAC Scheduling in Femtocell for Real Time Applications with QoS	Proceedings of the IEEE 2017 International Conference on Computing Methodologies and Communication (ICCMC)	Jul-17 Anshu sharma, Mahendra V, Kartik S
53	Energy Efficient Clustering Algorithm for Multi-Hop Wireless Sensor Network Using Type-2 Fuzzy Logic	IEEE SENSORS JOURNAL, VOL. 17, NO. 14, JULY 15, 2017	Jul-17 Padmalaya Nayak, Member, IEEE, and Bhavani Vathasavai

54	Energy Efficient Intrusion Detection System for Mitigating Sinkhole Attack in Wireless Sensor Networks	International Journal of Pure and Applied Mathematics, Volume 115 No. 7 2017, 231-238	Jul-17	Ranjeeth Kumar, Surendar, Umamakeswari. SASTRA University, School of Computing, Thanjavur, India
55	Analysis of Sinkhole Attack in LEACH based wireless Sensor Network	International Journal of Pure and Applied Mathematics, Volume 116 No. 24 2017, 185-197	Aug-17	S.Ranjeeth Kumar, M.Thalaimalachamy, Umamakeswari
56	Cross Layer Based QoS Platform for Multimedia Transmission in MANET	2017 11 th International Conference on Intelligent Systems and Control (ISCO)	Aug-17	Mamata Rath, Bibudhendu Pati, Binod Kumar Patanayak
57	Detection of primary user emulation attack in cognitive radio environment	International Conference on Informatics, Electronics and Vision & 2017 7th International Symposium in Computational Medical and Health Technology (ICIEV-ISCMHT)	Sep-17	Khaled Mohammed Saifuddin, Kazi Fahid Reza, Masud An Nur Islam Fahim, Sk. Shariful Alam
58	Comparing the Performance of Routing Protocols on Mobile Ad Hoc Networks (MANET)	University of Wales Trinity Saint David, School of Applied Computing https://www.uwtsd.ac.uk/media/uwtsd-website/content-assets/documents/fade/computing-projects.pdf	Oct-17	Ethan Ridd
59	Hello Messaging based Aodv Routing Protocol and Its Simulation	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12	Nov-17	Abhishek Prabhakar, Amod Tiwari, Vinay Kr. Pathak
60	A low cost IoT based crowd management system for Public Transport	Proceedings of the International Conference on Inventive Computing and Informatics (ICICI 2017) IEEE Xplore Compliant - Part Number: CFP17L34-ART, ISBN: 978-1-5386-4031-9	Nov-17	Sachin Vidyasagar, Aditya Varma, Hari Charan, S. Renuga Devi, Rajesh A.
61	Implementation of a secure & smart university campus for SA1	University of Wales Trinity Saint David, School of Applied Computing https://www.uwtsd.ac.uk/media/uwtsd-website/content-assets/documents/fade/computing-projects.pdf	Nov-17	Irfan Onur
62	Performance analysis of cognitive radio: Netsim viewpoint	Conference: 2017 3rd International Conference on Electrical Information and Communication Technology (EICT)	Dec-17	Khaled Mohammed Saifuddin, Abu Shakil Ahmed, Kazi Fahid Reza, Sharmina Rahman
63	Performance appraisal of Wireless Energy Harvesting in IoT	IEEE, 2017 3rd International Conference on Electrical Information and Communication Technology (EICT)	Dec-17	Shishir Mallick; Al-Zadid Sultan Bin Habib; Abu Shakil Ahmed; Sk. Shariful Alam
64	Improved Performance of DSR Protocol in Node Failure in MANET Using Netsim	i-manager's Journal on Information Technology, 6(3), 20-24	Feb-18	Khurana,R., Singh,G.,
65	eNodeB configuration,performance and fault management for coverage optimization.	Proceedings of the 2nd International conference on Electronics, Communication and Aerospace Technology (ICECA 2018) IEEE Conference Record # 42687; IEEE Xplore ISBN:978-1-5386-0965-1	Mar-18	Ankita Lotlikar, Sasikumar Periyasamy
66	Analysis of Group Mobility and File Mobility Model for Routing Protocols in Manet Using NETSIM	i-manager's Journal on Information Technology, 7(2), 1-7.	Mar-18	Khurana,R., Singh,G., and Sachdeva,M.
67	Performance Evaluation of Machine Learning Classifiers on Internet of Things Security Dataset	International Journal of Control and Automation. Vol. 11, No. 5 (2018), pp.11-24. http://dx.doi.org/10.14257/ijca.2018.11.5.02	Mar-18	Ravi Singh and Virender Ranga
68	Effect of Mobility in IoT Environment	Proceedings of the 2nd International Conference on Trends in Electronics and Informatics (ICOEI 2018) IEEE Conference Record: # 42666; IEEE Xplore ISBN:978-1-5386-3570-4	Apr-18	Dr. Rajender Kumar, Divya Punia
69	A comprehensive analysis of TCP congestion control schemes in wireless mesh networks	2017 International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)	Apr-18	Rohith Unnikrishnan, S. Renuga Devi, Rachita Ramesh, A. Rajesh, Aditya Varma
70	Performance Investigation of WAVE Network under Influence of Highway Mobility	2018 2nd International Conference on Electronics, Materials Engineering & Nano-Technology (IEMTech). 978-1-5386-5550-4/18 ©2018 IEEE	May-18	Harsukhpreet Singh, Roop Pahujar, Surekha Bhanot
71	Event Detection and Information Passing Using LEACH Protocol in Wireless Sensor Networks	Wireless Personal Communications August 2018, Volume 101, Issue 3, pp 1703–1714	Aug-18	Ranjeeth Kumar Sundararajan, Umamakeswari Arumugam
72	Performance Analysis of Hidden Terminal Problem in VANET for Safe Transportation System	Harmony Search and Nature Inspired Optimization Algorithms. Advances in Intelligent Systems and Computing, vol 741. Springer, Singapore	Aug-18	Ranjeet Singh Tomar, Mayank Satya Prakash Sharma, Sudhanshu Jha and Brijesh Kumar Chaurasia
73	Performance measurements of communication access technologies and improved cognitive radio model for smart grid communication	Trans Emerging Tel Tech. 2019:e3853. wileyonlinelibrary.com/journal/ett ©2019 John Wiley & Sons, Ltd. https://doi.org/10.1002/ett.3653	Aug-18	Emmanuel U. Ogbodo, David G. Dorrell, Adnan M. Abu-Mahfouz
74	Overview of VoIP Technology	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_1	Aug-18	Tamal ChakrabortyIli Saha MisraRamjee Prasad
75	VoIP Protocol Fundamentals	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_2	Aug-18	Tamal ChakrabortyIli Saha MisraRamjee Prasad
76	Quality of Service Management—Design Issues	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_3	Aug-18	Tamal ChakrabortyIli Saha MisraRamjee Prasad
77	VoIP Over Wireless LANs—Prospects and Challenges	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_4	Aug-18	Tamal ChakrabortyIli Saha MisraRamjee Prasad
78	Technique for Improving VoIP Performance Over Wireless LANs	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_5	Aug-18	Tamal ChakrabortyIli Saha MisraRamjee Prasad
79	Optimizing VoIP in WLANs Using State-Space Search	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_6	Aug-18	Tamal ChakrabortyIli Saha MisraRamjee Prasad
80	Optimization of Codec Parameters to Reduce Packet Loss Over WLAN	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_7	Aug-18	Tamal ChakrabortyIli Saha MisraRamjee Prasad

81	QoS Enhancement Using an Adaptive Jitter Buffer Algorithm with Variable Window Size	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_8	Aug-18 Tamal Chakraborty/Ili Saha Misra/Ramjee Prasad
82	Adaptive Packetization Algorithm to Support VoIP Over Congested WLANs	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_9	Aug-18 Tamal Chakraborty/Ili Saha Misra/Ramjee Prasad
83	VoIP Over Emerging Networks: Case Study with Cognitive Radio Networks	©Springer International Publishing AG, part of Springer Nature 2019T. Chakraborty et al.,VoIP Technology: Applications and Challenges, Springer Series in Wireless Technology, https://doi.org/10.1007/978-3-319-95594-0_10	Aug-18 Tamal Chakraborty/Ili Saha Misra/Ramjee Prasad
84	Vehicles Connectivity Based Communication Systems for Road Transportation Safety	© Springer Nature Singapore Pte Ltd. 2019K. Ray et al. (eds.),Soft Computing: Theories and Applications,Advances in Intelligent Systems and Computing 742, https://doi.org/10.1007/978-981-13-0589-4_45	Aug-18 Ranjeet Singh Tomar, Mayank Satya Prakash Sharma, Sudhanshu Jha and Bharati Sharma
85	Analysis of Routing Attacks on RPL based 6LoWPAN Networks	International Journal of Grid and Distributed Computing Vol 11, No 8 (2018), pp 43-56	Sep-18 Abhishek Verma, Virender Ranga
86	Watchdog and Pathrater based Intrusion Detection System for MANET	DOI: 10.1109/CCEICT.2018.8628117 Conference: 2018 4th International Conference on Electrical Engineering and Information & Communication Technology (CCEICT)	Sep-18 Saifuddin, Khaled Mohammed & Jobayer Bin Ali, Abu & Ahmed, Abu Shakil & Alam, sk & Ahmad, Abu Saleh
87	Implementation of IoT-based VTMS with energy-based routing scheme for smart cities in Indian scenario	Electronic Government, An International Journal, Vol. 14, No. 4, 2018 Copyright © 2018 Inderscience Enterprises Ltd.	Sep-18 S. Renuga Devi and A. Rajesh, C. Varun
88	Comparison of Throughput Metrics Based on Transmission Content in Cognitive Radio Networks	©Springer Nature Singapore Pte Ltd. 2019H. Malik et al. (eds.),Applications of Artificial Intelligence Techniques in Engineering, Advances in Intelligent Systems and Computing 697, https://doi.org/10.1007/978-981-13-1822-1_12	Sep-18 Atul Verma, Navpreet Kaur and Inderdeep Kaur Aulakh
89	QTM: A QoS Task Monitoring System for Mobile Ad hoc Networks	© Springer Nature Singapore Pte Ltd. 2019P. K. Sa et al. (eds.),Recent Findings in Intelligent Computing Techniques,Advances in Intelligent Systems and Computing 707, https://doi.org/10.1007/978-981-10-8639-7_57	Nov-18 Mamata Rath, Bibudhendu Pati, Chhabi Rani Panigrahi and Joy Lal Sarkar
90	Current research on Internet of Things (IoT) security: A survey	Science Direct. https://doi.org/10.1016/j.comnet.2018.11.025	Dec-18 Mardiana binti Mohamad Noor, Wan Haslina Hassan
91	RMDD: Cross Layer Attack in Internet of Things	978-1-5386-5314-2/18/\$31.00 ©2018 IEEE	Dec-18 Vivek Kumar Asati, Emmanuel S. Pilli, S. K. Vipparthi, Shailesh Garg, Shubham Singhal, and Shubham Pancholi
92	Prevention of Replay Attack Using Intrusion Detection System Framework	© Springer Nature Singapore Pte Ltd. 2019B. Pati et al. (eds.),Progress in Advanced Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing 713, https://doi.org/10.1007/978-981-13-1708-8_32	Dec-18 Mamata Rath and Binod Kumar Pattanayak
93	Communication Architecture Framework for A Future Smart Community	Proceedings of the Second International Conference on Intelligent Computing and Control Systems (ICICCS 2018) IEEE Xplore Compliant Part Number: CFP18K74-ART; ISBN:978-1-5386-2842-3	Mar-19 Mohan. K Aparna, P Sivraj
94	A Grey Wolf Optimization Approach for Improving the Performance of Wireless Sensor Networks	Wireless Personal Communications https://doi.org/10.1007/s11277-019-06223-2 . Springer Science+Business Media, LLC, part of Springer Nature 2019	Mar-19 Ajay Kaushik, S. Indu, Daya Gupta
95	Security Protocol with IDS Framework Using Mobile Agent in Robotic MANET	DOI: 10.4018/IJISP.201901104International Journal of Information Security and Privacy Volume 13 • Issue 1 • January-March 2019	Mar-19 Mamata Rath, Binod Kumar Pattanayak
96	A Reputation based Weighted Clustering Protocol in VANET: A Multi-objective Firefly Approach	Springer. Mobile Networks and Applications. The Journal of SPECIAL ISSUES on Mobility of Systems, Users, Data and Computing. ISSN: 1383-469X (Print) 1572-8153 (Online)	Apr-19 Christy Jackson Joshua, Rekha Duraisamy, Vijayakumar Varadarajan
97	India Intruder Node Detection and Isolation Action	Journal of Medical Systems (2019) 43:179 https://doi.org/10.1007/s10916-019-1309-2	Apr-19 T. Kavitha, K. Geetha, R. Muthaiah
98	Plummeting Broadcast Storm Problem in Highways by Clustering Vehicles Using Dominating Set and Set Cover	Sensors 2019, 19, 2191; doi:10.3390/s19092191	May-19 Kamakshi S. and Shankar Sriram V. S
99	Social Network Aware Dynamic Edge Server Placement for 5G Cellular Networks.	B.Tech Final Dissertation, Department of Avionics, Indian Institute of Space science and Technology, Trivandrum, India, May 2019	May-19 Manasvi Gudiseva and B. S. Manoj
100	Evaluation of Network Intrusion Detection Systems for RPL Based 6LoWPAN Networks in IoT	Wireless Personal Communications https://doi.org/10.1007/s11277-019-06485-w . © Springer Science+Business Media, LLC, part of Springer Nature 2019	May-19 Abhishek Verma, Virender Ranga
101	Communication Network with Interoperable Communication Architecture for Smart Community	2019 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT-2019), MAY 17th & 18th 2019, ©2019 IEEE	May-19 Vijaya Dattu R, Sivraj P
102	Technological improvement in modern health care applications using Internet of Things (IoT) and proposal of novel health care approach	International Journal of Human Rights in Healthcare, Vol. 12 No. 2, pp. 148-162. https://doi.org/10.1108/IJHRH-01-2018-0007	May-19 Mamata Rath, Binod Pattanayak
103	An Efficient Elliptic Curve based Key Management Scheme for Distributed Sensor Networks	EJERS, European Journal of Engineering Research and Science Vol. 4, No. 6, June 2019	Jun-19 Porkodi Chinniah, and Sangavai Krishnamoorthi
104	Experimental Characterization of Routing Protocols in Urban Vehicular Communication	Transport and Telecommunication, 2019, volume 20, no. 3, 229-241 Transport and Telecommunication Institute, Lomonosova 1, Riga, LV-1019, Latvia DOI 10.2478/ttj-2019-0019	Jun-19 Divya Punia, Rajender Kumar
105	Intrusion Detection System For Mitigating Sinkhole Attack on Leach Protocol In Wireless Sensor Network	IJSART - Volume 5 Issue 6 – JUNE 2019	Jun-19 Sudarshan Suryawanshi, AmuthaJeyakumar
106	Comprehensive Survey and Comparative Experimental Performance Gain of AODV, DSR and OLSR in MANETS	International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume-8 Issue-5, June 2019	Jun-19 Priyanka Kumari, Sudip Kumar Sahana
107	Adaptive Mobile Sink for Energy Efficient WSN Using Biogeography Based Optimization	International Journal of Mobile Computing and Multimedia Communications Volume 10 • Issue 3 • July-September 2019	Jul-19 Ajay Kaushik, S. Indu, Daya Gupta

108	Performance Analysis of Congestion Control In MANET Using Different Routing Protocols	DOI: 10.26438/ijcse/v7i7.312319 International Journal of Computer Science and Engineering	Jul-19 Bhawna Ahlawat, Vikas Nandal
109	ELNIDS: Ensemble Learning based Network Intrusion Detection System for RPL based Internet of Things	2019 4th International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU)	Jul-19 Abhishek Verma, Virender Ranga
110	Design and Performance Analysis of Rural Aquaculture Ponds using IoT	International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-2, July 2019	Jul-19 Sonalika Nayak, Jibendu Kumar Mantri, Prasanta Kumar Swain
111	A comparative study on routing protocols for VANETs	https://doi.org/10.1016/j.neiyon.2019.e02340 Received / January 2019; Received in revised form 13 June 2019; Accepted 15 August 2019 2405-8440/©2019 The Authors. Published by Elsevier Ltd. This is an open access article under the CC BY-NC-ND license (http://creativecommons.org/licenses/by-nc-nd/4.0/).	Aug-19 Suman Malik, Prasant Kumar Sahu
112	Throughput Analysis for the Mobility of a Consumer and an Anchorless Producer in NDN	Jour of Adv Research in Dynamical & Control Systems, Vol. 11, No. 1, 2019	Aug-19 Muhammed Zaharadeen Ahmed, Aisha Hassan Abdalla Hashim, Othman O. Khalifa, Abdulkadir H. Alkali, Sarah Yasmin BTMohd, Malik Arman Morshidi
113	A Review of Various Approaches to Improve Usage of TCP in Mobile Ad-Hoc Networks	Journal of Information and Computational Science ISSN: 1548-7741 Volume 9 Issue 9 - 2019 www.joics.org	Sep-19 Aniket Deshpande, Dr. Azad Kumar Shrivastava
114	Energy Aware Clustering Based Mobility Model for FANETs	Proceedings of ICETIT 2019. Lecture Notes in Electrical Engineering, vol 605. Springer, Cham DOI: https://doi.org/10.1007/978-3-030-30577-2_3	Sep-19 Ashima Adya, Krishna Pal Sharma, Nonita
115	Enhancement of LEACH protocol on Heterogeneous wireless sensor network with sink protection	M.Tech Final Dissertation, Department of Information Technology, Walchand College of Engineering, Sangli, Maharashtra, India, Sep 2019	Sep-19 Pawde Bhagysree R., Prof. B.S.Shetty
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