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AREA OF SPECIALIZATION: Computer Networks, Internet of Things

LIST OF PUBLICATION:

Last 5 years Publications

No. of Journal Publications : 18

No. of Conference publications : 14

Journals:

1. R. Yugha and S. Chithra, "A survey on technologies and security protocols: Reference for future generation IoT", Journal of Network and Computer Applications, Accepted 1 July 2020 Available online 12 August 2020, Elsevier publications.
2. P. Poornima and S. Chithra, "Optimization of sensing time in Cognitive Radio Networks based on Localization algorithm", Lecture notes, Springer Nature Switzerland, AG 2020, ICSCN 2019, LNDECT 39.
3. Kabilan K., Bhalaji N., Chithra S." Analysis of 6LOWPAN and CoAP Protocols for Maternal Health Care", Lecture Notes in Electrical Engineering, vol 521, pp. 171-180, Springer, Singapore, 2019.
4. Sundhara Kumar K.B, Krishna G , Bhalaji N , Chithra S, " BCI cinematics –A pre-release analyser for movies using H 2 O deep learning platform", Computers and Electrical Engineering, Volume 74, Pages 547-556, March 2019.
5. K. Kabilan, N. Bhalaji, Chithra Selvaraj, Mahesh Kumaar B, Karthikeyan P T R "Performance analysis of IoT protocol under different mobility models",

Computers and Electrical Engineering 72 (2018) 154–168.

6. Dr. S. Chithra, Dr. N. Bhalaji, S. Nandini, “A Lightweight Trust Scheme for IoT”, *International Journal of Engineering & Technology*, 7 (3.34) (2018) 241-244.
7. S. Thanga Revathi, N. Ramaraj and S. Chithra, “Brain storm-based Whale Optimization Algorithm for privacy protected data publishing in cloud computing”, *Cluster Computing*, Feb 2018, doi.org/10.1007/s10586-018-2200-5, Pg. 1-10, Springer
8. N. Bhalaji, K.B. Sundhara Kumar and Chithra Selvaraj, “Empirical study of feature selection methods over classification algorithms”, *International Journal of Intelligent Systems Technologies and Applications*, Vol. 17, Nos. 1/2, 2018, pg 98-108, Inderscience publication.
9. Chithra Selvaraj and N. Bhalaji, Enhanced portable text to speech converter for visually impaired”, *International Journal of Intelligent Systems Technologies and Applications*, Vol. 17, Nos. 1/2, 2018, Pg. 42-54, Inderscience publication.
10. M.Srisivanandhini and Dr. S.Chithra, “Implementation and Analysis of LPWAN Technology using LoRa Architecture”, *International Journal of Engineering Technology Science and Research*, IJETSR, ISSN 2394 – 3386, Volume 4, Issue 10, October 2017
11. Yoganand.S and Dr.S.Chithra, “Condition Monitoring of Small Wind Turbines using IoT (A- Statistical Survey and Analysis)”, *International Journal of Computer & Mathematical Sciences*, ISSN 2347 – 8527, Volume 6, Issue 7 July 2017.
12. Amirthavalli Madhwaraj and Chithra Selvaraj, “Taxonomy of Attacks and Secure Data Aggregation Mechanisms for Smart Environment”, *Middle-East Journal of Scientific Research* 25 (3): 603-615, 2017
13. Bhalaji N., Selvaraj C. (2017) Comprehensive Trust Based Scheme to Combat Malicious Nodes in MANET Based Cyber Physical Systems, *Advances in Intelligent Systems and Computing*, vol 508. Springer
14. Priyanka Radja, K.Ragavi,S.Chithra"Portable Text to Speech Converter for the Visually Impaired", *Journal of Advances in Intelligent Systems and Computing*, 397, DOI 10.1007/978-81-322-2671-0-71, Volume : 397, pp. 751-758 ISSN: 2194-5357, Apr. 2015.
15. Gomathi Venkatesan and Chithra Selvaraj, “Bio-sensor Authentication for Medical Applications Using WBAN”, *Proceedings of the International Conference on Soft Computing Systems*, *Advances in Intelligent Systems and Computing* 398, DOI 10.1007/978-81-322-2674-1_42, pp. 457-467.

16. M.Satish, A.Prakash, G.Muneeswari, S.Chithra, "DRRS Task Scheduling Algorithm for Cloud Environment" pp.27399-27405, International Journal of Applied Engineering Research, Print ISSN 0973-4562,Special Issue Volume.34, 2015
17. D.Nandan, P.Sanjana, S.Chithra, G.Muneeswari, "Smart Cylinder Pad pp.27308-27314, International Journal of Applied Engineering Research, Print ISSN 0973-4562,Special Issue Volume.34, 2015
18. Ms.L.Meghana, S.Krithika, K.GokulaPriya, S.Chithra, Enhancement of IoT using LoRa Architecture pp.27273-27276, International Journal of Applied Engineering Research, Print ISSN 0973-4562,Special Issue Volume.34, 2015

Conferences:

1. N. Bhalaji, S. Chithra and K. Kabilan, "Performance Analysis of RPL Protocol for Water Quality Assessment", Proceedings of the Second International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018), IEEE Xplore Part Number:CFP18OZV-ART; ISBN:978-1-5386-1442-6.
2. K. Preethi and S. Chithra, "On-air character recognition system for visually impaired people", Proceedings of International conference for Phoenixes on Emerging current trends in Engineering and Management (PECTEAM2K18), Feb 2018.
3. Dr. S. Chithra, Dr. N. Bhalaji, S. Nandini, "A Lightweight Trust Scheme for IoT", International conference on Internet of Things and Challenges (ICITC 2017), 14th and 15th Dec 2017 at VelTech Multitech Dr. Rangarajan Dr. Sakunthala Engineering college, Chennai.
4. M.Srisivanandhini and Dr. S.Chithra, "Implementation and Analysis of LPWAN Technology using LoRa Architecture", Conference Proceeding of 2nd International conference on Science, Technology & Management (ICSTM-2017), Hyderabad, 5th October 2017.
5. Yoganand.S and Dr.S.Chithra, "Condition Monitoring of Small Wind Turbines using IoT (A- Statistical Survey and Analysis)", Conference Proceeding of 5th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017), Pune, 23rd July 2017
6. S. Chithra, N.Bhalaji, "Enhanced Portable Text To Speech Converter For Visually Impaired", Inventive Research Organization (IRO) at Bangalore. December 16-17, 2016.

7. Bhalaji N., Selvaraj C. (2017) Comprehensive Trust Based Scheme to Combat Malicious Nodes in MANET Based Cyber Physical Systems. Proceedings of International Conference on Communication and Networks.
8. S. Chithra , N.Bhalaji, " Enhanced Portable Text To Speech Converter For Visually Impaired", Inventive Research Organization (IRO) at Bangalore, December 16-17, 2016.
9. N.Bhalaji, K.B.Sundhara kumar, S. Chithra, "An Empirical Study of Feature Selection Methods over Classification Algorithms ", Inventive Research Organization (IRO) at Bangalore. December 16-17, 2016.
10. Priyanka Radja, K.Ragavi, S.Chithra, "Portable Text to Speech Converter for the Visually Impaired", Proc. Springer Intl. Conf. Soft Computing Systems, Thukulay, India, Apr. 2015.
11. GomathiVenkatesan and Chithra Selvaraj, "Bio-Sensor Authentication for Medical Applications using WBAN", Proc. Springer Intl. Conf. Soft Computing Systems, Thukulay, India, Apr. 2015. This paper was awarded the best paper in the conference.
12. Ms.L.Meghana, S.Krithika, K.GokulaPriya, S.Chithra, Enhancement of IoT using LoRa Architecture "National Conference on Information Technology - NCIT 2K15" organized by the Department of IT, SSN College of Engineering, March 2015
13. D.Nandan, P.Sanjana, S.Chithra, G.Muneeswari, "Smart Cylinder Pad", National Conference on Information Technology - NCIT 2K15" organized by the Department of IT, SSN College of Engineering, March 2015
14. M.Satish, A.Prakash, G.Muneeswari, S.Chithra, "DRRS Task Scheduling Algorithm for Cloud Environment", National Conference on Information Technology - NCIT 2K15" organized by the Department of IT, SSN College of Engineering, March 2015