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### Journal Publications

1. S. Naveen and Dr. Gireesh K. T., "Ransomware Analysis Using Reverse Engineering", Communications in Computer and Information Science, vol. 1046, pp. 185-194, 2019.
2. K. A. Dhanya and Dr. Gireesh K. T., "Efficient Android Malware Scanner using Hybrid Analysis", International Journal of Recent Technology and Engineering, vol. 7, no. 5, pp. 76-80, 2019.
3. P. V. Sai Charan, Dr. Gireesh K. T., and P. Anand, M., "Advance Persistent Threat Detection Using Long Short Term Memory (LSTM) Neural Networks", Communications in Computer and Information Science, vol. 985, pp. 45-54, 2019.
4. V. R. Vidhya Lakshmi and Dr. Gireesh K. T., "Opportunistic Mobile Social Networks: Architecture, Privacy, Security Issues and Future Directions", International Journal of Electrical and Computer Engineering, vol. 9, no. 2, pp. 1145-1152, 2019.
5. B.A. Sabarish, R. Karthi, and Dr. Gireesh K. T., "String based Feature Representation for Trajectory Clustering ", International Journal of Embedded and Real-Time Communication Systems (IJERTCS), vol. 10, no. 2, pp. 1-18, 2019.
6. K. Sugunan, Dr. Gireesh K. T., and Dhanya, K. A., "Static and Dynamic Analysis for Android Malware Detection", Advances in Big Data and Cloud Computing, Advances in Intelligent Systems and Computing, vol. 645, pp. 147-155, 2018.
7. B.A. Sabarish, R. Karthi, and Dr. Gireesh K. T., "Spatial Outlier Detection Algorithm for Trajectory Data", International Journal of Pure and Applied Mathematics, vol. 118, pp. 325-330, 2018.

8. T. G. Gregory Paul and Dr. Gireesh K. T., "A framework for dynamic malware analysis based on behavior artifacts", *Advances in Intelligent Systems and Computing*, vol. 515, pp. 551-559, 2017.
9. S. S. Prabhu, Bhavani, R., Dr. Gireesh K. T., and Dr. T. Rajagopalan, "A computational approach to determine shielding effectiveness of carbon nanotube-based nanocomposites for \EMC\ application", *Computational Materials Science*, vol. 126, pp. 400 - 406, 2017.
10. N. S. Sunder and Dr. Gireesh K. T., "Privilege-based scoring system against cross-site scripting using machine learning", *Advances in Intelligent Systems and Computing*, vol. 394, pp. 591-598, 2016.
11. V. A. Pandian and Dr. Gireesh K. T., "A Novel Cloud Based NIDPS for Smartphones", *Communications in Computer and Information Science*, vol. 420 CCIS, pp. 473-484, 2014.

### **Conference Publications**

12. A. Thomas, Dr. Gireesh K. T., and Ashok Kumar Mohan, "Neighbor Attack Detection in Internet of Things", in *Advanced Computational and Communication Paradigms*, Singapore, 2018.
13. A. Baskar and Dr. Gireesh K. T., "Facial Expression Classification Using Machine Learning Approach: A Review", in *Advances in Intelligent Systems and Computing*, 2018, vol. 542, pp. 337-345.
14. S. Anuraj, Premalatha, P., and Dr. Gireesh K. T., "High Speed Network Intrusion Detection System Using FPGA", in *Proceedings of the Second International Conference on Computer and Communication Technologies: IC3T 2015*, Volume 1, New Delhi, 2016, pp. 187-194.
15. S. K. Rahul, Honc, D., Dušek, F., Dr. Gireesh K. T., F., H., O., R., and M., M., "Frontier based multi robot area exploration using prioritized routing", in *Proceedings - 30th European Conference on Modelling and Simulation, ECMS 2016*, 2016, pp. 25-30.
16. M. Niranjana, Saipreethy, M. S., and Dr. Gireesh K. T., "An intelligent question answering conversational agent using Naïve Bayesian classifier", in *Technology Enhanced Education (ICTEE)*, 2012 IEEE International Conference on, 2012.
17. Dr. Gireesh K. T., Jithin, R., and Shankar, D. D., "Feature based steganalysis using wavelet decomposition and magnitude statistics", in *ACE 2010 - 2010 International Conference on Advances in Computer Engineering*, Bangalore, 2010, pp. 298-300.
18. Dr. Gireesh K. T., Sasidharan, S., N., K., A.P., S., and Y., A., "An Efficient Embedding and Restoration Steganographic Scheme for Secure Multimedia Communication", in *Proceedings of the 2010 International Conference on Advances in Computer Engineering*, Washington, DC, USA, 2010, pp. 363-365.

19. R. E. Vinodhini, Malathi P., and Dr. Gireesh K. T., "A Survey on DNA and Image Steganography", 2017 4th International Conference on Advanced Computing and Communication Systems (ICACCS). IEEE, Coimbatore, India, 2017.
20. Malathi P. and Dr. Gireesh K. T., "Relating the Embedding Efficiency of LSB Steganography Techniques in Spatial and Transform Domains", *Procedia Computer Science*, vol. 93. Elsevier, Rajagiri School of Engineering and Technology Kochi; India, pp. 878-885, 2016.

### **Book Chapters**

21. A. Eldho Jose and Dr. Gireesh K. T., "Gigabit Network Intrusion Detection System Using Extended Bloom Filter in Reconfigurable Hardware", in *Proceedings of the Second International Conference on Computer and Communication Technologies: IC3T 2015*, Volume 1, C. Suresh Satapathy, Raju, S. K., Mandal, K. Jyotsna, and Bhateja, V., Eds. New Delhi: Springer India, 2016, pp. 11–19.
22. A. Velayudhan and Dr. Gireesh K. T., "An Autonomous Obstacle Avoiding and Target Recognition Robotic System Using Kinect", in *Intelligent Computing, Communication and Devices: Proceedings of ICCD 2014*, Volume 1, L. C. Jain, Patnaik, S., and Ichalkaranje, N., Eds. New Delhi: Springer India, 2015, pp. 643–649.
23. R. S. Anoop, Dr. Gireesh K. T., and Saisuriyaa, G., "A Probabilistic Method Toward SLAM for Mobile Robotic Systems", in *Intelligent Computing, Communication and Devices: Proceedings of ICCD 2014*, Volume 1, L. C. Jain, Patnaik, S., and Ichalkaranje, N., Eds. New Delhi: Springer India, 2015, pp. 285–291.
24. P. K. Rahul and Dr. Gireesh K. T., "A Novel Authentication Framework for Hadoop", in *Artificial Intelligence and Evolutionary Algorithms in Engineering Systems: Proceedings of ICAEES 2014*, Volume 1, P. L. Suresh, Dash, S. Subhransu, and Panigrahi, K. Bijaya, Eds. New Delhi: Springer India, 2015, pp. 333–340.
25. Ashok Kumar Mohan and Dr. Gireesh K. T., "Secure Seed-Based Sturdy OTP via Convenient Carry-on Device", in *Artificial Intelligence and Evolutionary Algorithms in Engineering Systems: Proceedings of ICAEES 2014*, Volume 1, P. L. Suresh, Dash, S. Subhransu, and Panigrahi, K. Bijaya, Eds. New Delhi: Springer India, 2015, pp. 447–455.
26. B.A. Sabarish, R. Karthi, and Dr. Gireesh K. T., "A Survey of Location Prediction Using Trajectory Mining", in *Artificial Intelligence and Evolutionary Algorithms in Engineering Systems: Proceedings of ICAEES 2014*, Volume 1, P. L. Suresh, Dash, S. Subhransu, and Panigrahi, K. Bijaya, Eds. New Delhi: Springer India, 2015, pp. 119–127.