

Dr. M. Alagumeenaakshi

List of Publications

1. Alagumeenaakshi Muthiah, Dr.PalaniswamiSennappan&Arun Kumar Muruganasamy, 2014, 'RPL Optimization for Precise Green House Management using Wireless Sensor Network', International Journal of Applied Environmental Sciences, Volume 9, Number 5, pp. 2485-2494. (Annexure II)
2. Alagumeenaakshi Muthiah&Dr. S. Palaniswami,2015, 'Survey on Security Mechanisms for Routing over 6LoWPAN', International Journal of Latest Technology in Engineering, Management and Applied Science, vol. 4, No.1, pp. 15 – 25. (Impact factor:1.356)
3. Navaneethakrishnan, R., Santhanalakshmi, M., Marimuthu, R., Kumaresan, A.,& Alagumeenaakshi, M. (2018). ADAS Headlamp for improved visibility. International Journal of Pure and Applied Mathematics, 119(12), 12541-12548.
4. S. Umamaheswari, M. Alagumeenakshi 2018, "Interactive Voice Response System Development" in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-2S, December 2018.

In International Conferences:

1. Paper entitled"Hardware Implementation of Modular Exponentiation for RSA algorithm using VHDL", Proc. of International Conference on Computing Techniques, Embedded systems and Drives – ICCED '12, 7th-9th March 2012, Vol.4, pp. 24-29.
2. Paper entitled"Secured TinyRPL: Mathematically Scrutinized Secure Routing Protocol for LLN", Proc. of International Conference on Mathematics in Engineering and Business Management -2012, 9th-10th March 2012, Vol.2, pp. 190-195.
3. Paper entitled"Random Key pre-distribution scheme performance in Wireless Sensor Networks using Random Graphs", Proc. of International Conference on Innovations in Intelligent Instrumentation, Optimization and Signal Processing (ICIIOS' 13), Karunya University, Coimbatore, India, 1st and 2nd March 2013, Vol. 1, pp.707-710.
4. Paper entitled"Zero Overhead Location Specific Encryption using Bluetooth", Proc. of International Conference on Electrical, Electronics and Communication Networks (IECN13), Adithya Institute of Technology, Coimbatore, India, March 2013.
5. Paper entitled"Secure Connectivity and Resilience of Random Key Pre-distribution schemes using random graphs", in Proc. of International Conference on Intelligent Interactive systems and Assistive Technologies , California State

University, Northridge and KCT, Coimbatore, India, 2-3 Aug 2013, Vol. 1, pp. 23-28.

6. Paper entitled "Detecting and Localizing Wireless Spoofing attacks", in Proc. of International Conference on Electrical, Communication and Computing (ICECC – 2014), at Tagore Engineering College, Chennai, India, 13th and 14th Mar 2014, Vol. 1, pp. 773-777.
7. Arun Kumar Muruganasamy & Alagumeenaakshi Muthiah, 2014, 'RPL Optimization for Precise Green House Management using Wireless Sensor Network', Proceedings of IEEE International Conference On Green Computing, Communication And Electrical Engineering, 6th to 8th March, vol. 1, pp. 1-6.
8. Alagumeenaakshi Muthiah, Dr. Palaniswami Sennappan & Javid Ahmed, 2015, 'Wireless IPv6 Secure Routing for ContikiRPL', Proceedings of International Conference On Electrical, Instrumentation and Communication Engineering Recent Trends and Research Issues, 2nd to 3rd Jan, vol. 1, pp. 65.
9. Alagumeenaakshi M and Ms. Abirami "Power Allocation for Uplink SC-FDMA System with DF Cooperative Relay" in Proceedings of the International Conference on Communication and Security (ICCS-2016), Mar. 17-19, 2016.
10. Alagumeenaakshi M and Ms. S. Gayathri "Analysis of GSM Call Flow with SS7 Messages and Optimization in GSM network" in Proceedings of the International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECE'16), 2016.
11. Alagumeenaakshi M, Ms. R. Abinaya "Analysis of Co-RPL using Enhanced Loop Repair Mechanism and Prevention of Attacks" in Proceedings of the IEEE Sponsored third International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS-2016), pp. 553-557, Mar. 17-18, 2016.
12. Alagumeenaakshi M, Malaravan Alagesan, Ramalatha Marimuthu, Shivappriya S.N., Navaneethakrishnan R, "A Review on Routing Protocols for Low Power Applications" in the proceedings of the International Conference on Inventive Computing Systems and Applications (ICICSA - 2018), April 13-14, 2018.
13. Navaneethakrishnan R, Santhanalakshmi M, Ramalatha Marimuthu, Kumaresan A, Alagumeenaakshi M, "ADAS Headlamp for improved Visibility" in the proceedings of the International Conference on Inventive Computing Systems and Applications (ICICSA - 2018), April 13-14, 2018.

14. Muthiah, A., Ajitha, S., KS, M. T., Kavitha, K., & Marimuthu, R. (2019, October), "Maternal ehealth Monitoring System using LoRa Technology" In October 23-25, 2019 IEEE 10th International Conference on Awareness Science and Technology (iCAST) (pp. 1-4). IEEE.

National Conferences

1. Paper entitled "*Performance of ML and MAP estimates on Image Denoising*" in NCEIS'05 on 9.03.2005 and 10.03.2005 at GCT, Coimbatore.
2. Paper entitled "*Inter-Intra Scale Wavelet Denoising using Arbitrary Windows*" in 2nd National conference on "Emerging Trends in Communication and Information Technology" on 19.01.06 and 20.01.2006 at KSRCT, Thiruchengode.
3. Paper entitled "*Designing Efficient Online Testable Reversible Adders with New Reversible Gate*" in National conference on Innovative Vogue in Electronics and Communication Trends in Communication and Information Technology on 28.03.09 at Madha Engineering College, Chennai.
4. Paper entitled "*Designing Efficient Online Testable Reversible Adders with New Reversible Gate*" in National conference on Communication and Informatics (NCCI-2009) on Communication and Information Technology on 06.03.09 at Lord Jegannath College of Engineering and Technology, Ramanathichanputhur.
5. Paper entitled "*2D image Fusion Algorithm based on Discrete Wavelet Transformation*" in Third National conference on Automated Control, Computer and Communications on 25.03.10 and 26.03.10 at Hindustan College of Engineering and Technology, Coimbatore.
6. Paper entitled "*Distributed energy efficient clustering algorithm in Wireless Sensor Network*" in a National conference on Information, Networking and Communication Technologies (NCINCT 2010) on 16.4.2010 and 17.4.2010 at Dr. Mahalingam College of Engineering and Technology.
7. Paper entitled "*Distributed energy efficient clustering algorithm in Wireless Sensor Network*" in a National conference on "Information, Networking and Communication Technologies" during 16.4.2010 and 17.4.2010 at Bannari Amman Institute of Technology.
8. Paper entitled "A Dynamic Cryptographic Algorithm for WSN", Proc. of National Conference on Communication, Information and Telematics (CITEL 2011), at Kumaraguru College of Technology, Coimbatore, India, 21st and 22nd Mar 2011.
9. Paper entitled "Multi -level Computing Architecture for Parallelism in FPGA", Proc. of National Conference on Communication and Signal Processing (NC-EVENT 2011), at Sathyabama University, Jeppiaar Nagar, Chennai, India, Jan 2011.

10. Paper entitled "MLCA using Micro architecture for enhanced parallelism", Proc. of National Conference on Communication, Information and Telematics (CITEL 2011), at Kumaraguru College of Technology, Coimbatore, India, 3rd and 4th Mar 2011.
11. Paper entitled "FPGA Based Implementation of High Speed Montgomery Modular Multiplication for RSA Algorithm", Proc. of National Conference on Electrical and Instrumentation Systems (NCEIS 2012), at Government College of Technology, Coimbatore, India, 22nd March 2012.
12. Paper entitled "Official Password authentication using Bluetooth", Proc. of National Conference on Emerging Trends in Electronics, Instrumentation, Automation and Control (ETEIAC 2013), at Karpagam College of Engineering, Coimbatore, India, March 2013.
13. Paper entitled "Official Password authentication using Bluetooth", Proc. of Second National Conference on Emerging Trends in Electronics, Instrumentation, Automation and Control (ETEIAC 13), Adhithya Institute of Technology, Coimbatore, India, 15th March 2013.
14. Paper entitled "Performance of random key pre- distribution scheme in wireless sensor networks", Proc. of Fourth National Conference on Innovations in information Technology (NCIIT 2013), Bannari Amman Institute of Technology, Sathyamangalam, India, 15th Feb 2013.
15. Paper entitled "Detecting and Localizing wireless spoofing attacks", Proc. of Second National Conference on Frontiers in Communication and Signal Processing Systems (NCFCSPS '14), Adhiyamaan College of Engineering, Hosur, India, 10th and 11th March 2014.
16. Paper entitled "RPL Optimization for Precise Green House Management using Wireless Sensor Networks", Proc. of National Conference on Innovations in Information Technology (NCIIT 2013), Bannari Amman Institute of Technology, Sathyamangalam, India, March 2014.
17. Paper entitled "Wireless Sensor Network - Routing protocol Optimization using Regression Analysis", Proc. of National Conference on Communication, Information and Telematics (CITEL 2014), Kumaraguru College of Technology, Coimbatore, India, 6th March 2014.
18. Paper entitled (2015) "Classification of CT image with Curvelet Transform using Denoising, Region Segmentation and Feature Extraction" in Proceedings of the National conference on Innovaions in Signal Processing, Embedded Systems and Communication Technology (SPECT '15), Coimbatore.
19. Paper entitled "Cooperative Transmission for Uplink SC-FDMA System Using Multiple DF Relay" in Proceedings of the Fifth National Conference on Communication, Information and Telematics (CITEL-2016), pp. 46-52, Mar. 30-31, 2016.