

PUBLICATION DETAILS

Dr.M. Brindha

Assistant Professor

Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli-15

List of publications

(a). International Journals

1. R. Vidhya, Brindha Murugan, Nanjappa Gounder Ammasai Gounden , " A Chaos based Image Encryption Algorithm using Rubik's cube and Prime Factorization process (CIERPF) ", Journal of King Saud University - Computer and Information Sciences, Elsevier, January 2020.
2. R. Vidhya, Brindha Murugan, Nanjappa Gounder Ammasai Gounden , " A secure image encryption algorithm based on a Parametric Switching Chaotic System ", Chinese Journal of Physics, Elsevier, Vol.62, PP.26-42, 2019.
3. Janani Thiyagarajan, M. Brindha, N. Ammasai Gounden , " A chaotic image encryption scheme with complex diffusion matrix for plain image sensitivity", Serbian Journal of Electrical Engineering, Vol.16, no.2, PP.247-265, 2019.
4. R Vidhya, M Brindha , " A novel Dynamic Key based chaotic image encryption. ", J. Internet Serv. Inf. Secur., Vol.8, No. 1, PP.46-55, 2018.
5. M.Brindha and N.Ammasai Gounden,"A chaos based image encryption and lossless compression algorithm using hash table and Chinese Remainder Theorem ", Applied Soft Computing (Elsevier) , Vol. 40, pp. 379-390, 2016 (SCI – 1568 – 4946).
6. M.Brindha and N.Ammasai Gounden,"Image encryption scheme based on block-based confusion and multiple levels of diffusion", IET Computer Vision, Vol. 10, Issue. 6, pp 593 – 602, 2016 (SCI - 1751-9632).
7. M.Brindha, N. Ammasai Gounden. and M. Sriram. "A hybrid image encryption algorithm using chaos and conway's game-of-life cellular automata", Security and Communication Networks (Wiley), Vol. 9, No. 7, pp. 634 – 651, 2015 (DOI - 10.1002/sec.1352).
8. S. Subash Dangol, S.Selvakumar and M.Brindha , " Genuine ARP(GARP) - A Broadcast based Stateful Authentication Protocol ", ACM. Sigsoft Software Engineering Notes, Vol.36, no.4, PP.1-10, July 2011.

(b). National & International Conferences

1. Shaji Thorn Blue, M Brindha, "Edge detection based boundary box construction algorithm for improving the precision of object detection in YOLOv3" in the 2019 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT),IEEE Publishers, PP.1-5, 2019.
2. C Madan Kumar, M Brindha , " Text extraction from business cards and classification of extracted text into predefined classes ", International Journal of Computational Intelligence & IoT, Vol.2, no.2, 2019.
3. Yash Darak, M Brindha , " Privacy Preserving Searchable Encryption Scheme with Optimized Homomorphic Encryption on NoSQL Databases ", International Journal of Computational Intelligence & IoT, Vol.2, no.3, 2019.
4. C. Sekar, M Brindha , " Secure App Login Authorization for IoT Devices Using OAuth 2.0 ", International Journal of Computational Intelligence & IoT, Vol.2, no.3, 2019.
5. Vinod Ramesh Falmari, M Brindha , " Bit-Level Image Encryption Using Self-Adaptive Keys", International Journal of Computational Intelligence & IoT, Vol.2, no.3, 2019.
6. T Janani, M Brindha , " MVOPE Based Secure Query Processing on Non-Relational Databases in Cloud Environment", International Journal of Computational Intelligence & IoT, Vol.2, no.1, 2019.

7. R Vidhya, M Brindha , " Polynomial Substitution Based Image Encryption Using Shamir Scheme", International Journal of Computational Intelligence & IoT, Vol.2, no.1, 2019.
8. C. Sowthily, M Brindha , " Image Encryption Using Chaotic Baker's Map and LSB Steganography", International Journal of Computational Intelligence & IoT, Vol.2, no.1, 2019.
9. M. Devipriya, M Brindha , " Chaotic Image Encryption Using Double Stages of Diffusion", International Journal of Computational Intelligence & IoT, Vol.2, no.1, 2019.
10. M. Brindha, "Confidentiality, Integrity and authentication of DICOM medical images" in the 2nd International Conference on Inventive Systems and Control (ICISC 2018), IEEE Publishers, PP. 71-75, 2018.
11. M. Brindha, "Periodicity Analysis of Arnold cat map and its application to image encryption" in the International Conference on Inventive Computing and Informatics (ICICI 2017), IEEE Publishers, PP.495-498, 2017.
12. M. Brindha, "Multiple stage image encryption using chaotic logistic map" in the International Conference on Intelligent Sustainable Systems (ICISS 2017), IEEE Publishers, 1239-1243, 2017.
13. M. DeviPriya, M. Brindha, "A Real Time Image Encryption based on chaos" in the International Conference on Inventive Computing and Informatics (ICICI 2017), IEEE Publishers, PP.367-371, 2017.
14. M. DeviPriya, M. Brindha, "Moving Object Tracking using FPGA" in the International Conference on Intelligent Sustainable Systems (ICISS 2017), IEEE Publishers, PP. 466-469, 2017.
15. M. Brindha, "Digital camera with real time chaotic image encryption" in the International Conference on Intelligent Sustainable Systems (ICISS 2017), IEEE Publishers, PP. 227-230, 2017.
16. R. Vidhya, M. Brindha, "Recursively seeded image encryption algorithm" 2017 Ninth International Conference on Advanced Computing (ICoAC),IEEE Publishers, PP, 213-219, 2017.
17. M. Brindha, C. Annadurai, "A new dynamic finite state vector Quantization algorithm for image compression" in the National Conference on "High Performance Computing Vision'06" by GCE, Tirunelveli on Apr 5th 2006.
18. M. Brindha, C. Annadurai, "A new dynamic finite state vector Quantization algorithm for image compression" in the National Conference on "Emerging Technologies in Electronics Systems (ETES'06)" by Noorul Islam College of Engineering, Kumara coil on Apr 29th 2006.