

Dr. V.Thanikaiselvan, Department of Communication Engg, Vellore Institute of Technology.

Papers published

1. Data security through data hiding in images: a review, A Shaik, V Thanikaiselvan, R Amitharajan, J. Artif. Intell 10, 1-21, 2017,
2. Information hiding: steganography, V Thanikaiselvan, S Shastri, S Ahmad, Intelligent Techniques in Signal Processing for Multimedia Security, 65-91, Springer, Cham, 2017
3. Dual image reversible data hiding using trinary assignment and centre folding strategy with low distortion, S Shastri, V Thanikaiselvan, Journal of Visual Communication and Image Representation 61, 130-140, 2019
4. High capacity reversible data hiding using 2D parabolic interpolation, A Shaik, V Thanikaiselvan, Multimedia Tools and Applications 78 (8), 9717-9735
5. Comparative analysis of integer wavelet transforms in reversible data hiding using threshold based histogram modification, A Shaik, V Thanikaiselvan, Journal of King Saud University-Computer and Information Sciences, 2018
6. PVO based Reversible Data Hiding with Improved Embedding Capacity and Security, S Shastri, V Thanikaiselvan, Indian Journal of Science and Technology 9 (5), 1-7, 2016
7. Implementation of security algorithm for wireless sensor networks over multimedia images, N Bisht, J Thomas, V Thanikaiselvan, 2016 International Conference on Communication and Electronics Systems (ICCES)
8. An Efficient Image encryption using Deep Neural Network and Chaotic Map, SR Maniyath, V Thanikaiselvan, Microprocessors and Microsystems, 103134, 2020
9. A New Image-Based Hybrid Reversible Data Hiding Model Using IHWT and RP-PEHM for Secured Data Communication, A Shaik, V Thanikaiselvan, Circuits, Systems, and Signal Processing 37 (11), 4907-4928, 2018
10. Robust and lightweight image encryption approach using public key cryptosystem, SR Maniyath, V Thanikaiselvan, Computer Science On-line Conference, 63-73, 2018
11. A chaos based image encryption using Tinkerbell map functions, PR Krishna, CVMS Teja, SR Devi, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA)
12. Elliptical Curve Cryptography for Images Using Fractal Based Multiple Key Hill Cipher, K Kedarisetti, R Gamini, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA)
13. A novel efficient multiple encryption algorithm for real time images, SR Maniyath, V Thanikaiselvan, International Journal of Electrical and Computer Engineering (IJECE) 10, 1327-1336, 2020
14. Unified adaptive framework for contrast enhancement of blood vessels, MS Pearl, V Thanikaiselvan, International Journal of Electrical and Computer Engineering 10 (1), 767, 2020
15. Dual image reversible data hiding using rhombus prediction, S Shastri, V Thanikaiselvan, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (VitEcoN)
16. Analysis of Hybrid Chaotic Image Encryption, S Draksharam, D Katravulapalli, KR Krishna, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA)
17. DWT based Audio Encryption scheme, C Albin, D Narayan, R Varu, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), 920-924
18. Image encryption using dynamic DNA encoding and pixel scrambling using composite chaotic maps, K Aditya, AK Mohanty, GA Ragav, V Thanikaiselvan, R Amirtharajan, IOP Conference Series: Materials Science and Engineering 872 (1), 012045, 2020
19. Coverless Image Steganography using Haar Integer Wavelet Transform, V Govindasamy, A Sharma, V Thanikaiselvan, 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC), 885-890

20. Secured Data Transmission through Dual Domain Reversible Data Hiding and Encryption in Images, V Thanikaiselvan, S Patel, S Sivanantham, 2020 International Conference on Inventive Computation Technologies (ICICT), 840-847
21. New Image Encryption using Chaotic Map in Wavelet Domain, V Thanikaiselvan, R Gera, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-5
22. Reversible Data Hiding in Encrypted Images using Block Selection and Adjacent Pixel Correlation, DS Panesar, J Raj, RR Chowdhury, V Thanikaiselvan, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-7
23. 5D Combined Chaotic System for Image Encryption with DNA Encoding and Scrambling, M Sreenivasan, A Sidhardhan, VM Priya, V Thanikaiselvan, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-6
24. Image Encryption using Edge Maps and Scrambling methods, MS Gowtham, PD Reddy, C Rithwik, V Thanikaiselvan, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-6
25. Image Encryption using DNA rules & Transmission of an encrypted digital image using USRP-2901 and MATLAB, V Thanikaiselvan, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-9
26. Encrypting Multiple Images using Stacked Autoencoders, V Thanikaiselvan, N Mantripragada, AP Singh, N Bhasin, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-6
27. Reversible data hiding using lagrange's interpolation in encrypted domain, B Reddy, MYV Mourya, V Roshan, V Thanikaiselvan, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-6
28. Index Based Multiple Image Cryptosystem Using DNA Sequence, V Thanikaiselvan, BK Routhu, JV Sasank, 2019 International Conference on Vision Towards Emerging Trends in Communication and Networking (ViTECoN), 1-6
29. Image Encryption using Integer Wavelet Transform, Chaotic Maps and DNA rules, V Thanikaiselvan, 2018 International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECOT), 1351-1357
30. Encrypted Image Transmission over OFDM System, A Sahoo, PS Aditya, TN Munjal, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), 122-127
31. Improving the Performance of RSSI Based Indoor Localization Techniques Using Neural Networks, G Anand, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), 249-253
32. Compromised Node Detection in MIMO with Increased Security, V Thanikaiselvan, PM Seth, K Nirmal, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), 590-593
33. IWT Based Data Hiding in Encrypted Images, MV Vardhan, BR Krishna, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), 614-618
34. Image Encryption Using Integer Wavelet Transform, Logistic Map and XOR Encryption, TJ Satish, MNS Theja, GG Kumar, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), 704-709
35. Image Encryption Based on Neural Network Architecture and Chaotic Systems, GVSE Bharadwaj, K Vijaya, SK Balaga, V Thanikaiselvan, 2018 Second International Conference on Electronics, Communication and Aerospace Technology (ICECA), 767-774
36. A New Pixel Value Based Steganography Method for Data Security, V Thanikaiselvan, S Shastri, S Ahmad, S Subashanthini, Indian Journal of Science and Technology 9, 37, 2016