

Dr.S.Geetha
Professor & Associate Dean
Computer Science and Engineering
Vellore Institute of Technology

Title	Year
Vision based inspection system for leather surface defect detection using fast convergence particle swarm optimization ensemble classifier approach M Jawahar, NKC Babu, K Vani, LJ Anbarasi, S Geetha Multimedia Tools and Applications, 1-33	2020
Efficient high capacity technique to embed EPR information and to detect tampering in medical images R Geetha, S Geetha Journal of Medical Engineering & Technology 44 (2), 55-68	2020
Embedding electronic patient information in clinical images: an improved and efficient reversible data hiding technique R Geetha, S Geetha Multimedia Tools and Applications, 1-22	2020
Effective image stego intrusion detection system using statistical footprints of the steganogram and fusion of classifiers J Hemalatha, MKK Devi, S Geetha International Journal of Computer Aided Engineering and Technology 13 (3 ...	2020
Disruptive smart mobile pedagogies for engineering education P Punithavathi, S Geetha Procedia Computer Science 172, 784-790	2020
Towards Efficient Malware Detection and Classification using Multilayered Random Forest Ensemble Technique SA Roseline, AD Sasisri, S Geetha, C Balasubramanian 2019 International Carnahan Conference on Security Technology (ICCST), 1-6	2019
Partial DCT-based cancelable biometric authentication with security and privacy preservation for IoT applications P Punithavathi, S Geetha Multimedia Tools and Applications 78 (18), 25487-25514	2019
Vision-Based Malware Detection and Classification Using Lightweight Deep Learning Paradigm SA Roseline, G Hari, S Geetha, R Krishnamurthy International Conference on Computer Vision and Image Processing, 62-73	2019
Adaptable and proficient Hellinger Coefficient Based Collaborative Filtering for recommendation system M Maheswari, S Geetha Cluster Computing 22 (5), 12325-12338	2019
Improving image steganalyser performance through curvelet transform denoising J Hemalatha, MKK Devi, S Geetha Cluster Computing 22 (5), 11821-11839	2019

Data mining application on aviation accident data for predicting topmost causes for accidents S Koteeswaran, N Malarvizhi, E Kannan, S Sasikala, S Geetha Cluster computing 22 (5), 11379-11399	2019
A lightweight machine learning-based authentication framework for smart IoT devices P Punithavathi, S Geetha, M Karuppiyah, SKH Islam, MM Hassan, ... Information Sciences 484, 255-268	2019
Telemedicine Setup using Wireless Body Area Network over Cloud R Latha, P Vetrivelan, S Geetha Procedia Computer Science 165, 285-291	2019
Credit Card Fraud Detection using Machine Learning Algorithms VN Dornadula, S Geetha Procedia Computer Science 165, 631-641	2019
Intelligent malware detection using deep dilated residual networks for cyber security SA Roseline, S Geetha Countering Cyber Attacks and Preserving the Integrity and Availability of ...	2019
Renewable Energy Based Smart Irrigation System N Sudharshan, AVSK Karthik, JSS Kiran, S Geetha Procedia Computer Science 165, 615-623	2019
Multi label learning approaches for multi species avifaunal occurrence modelling: a case study of south eastern Tamil Nadu SAA Balamurugan, PKA Chitra, S Geetha International Journal of Business Intelligence and Data Mining 15 (4), 449-477	2019
Enhancing the JPEG image steganography security by RSA and attaining high payload using advanced DCT replacement method and modified quantisation table J Hemalatha, MKK Devi, S Geetha International Journal of Business Intelligence and Data Mining 14 (1-2), 138-154	2019
Performance Analysis of Image Denoising with Curvelet Transform in Detecting the Stego Noise J Hemalatha, MKK Devi, S Geetha Innovations in Computer Science and Engineering, 445-453	2019
Intelligent Malware Detection using Oblique Random Forest Paradigm SA Roseline, S Geetha 2018 International Conference on Advances in Computing, Communications and ...	2018
Malware Detection Modeling Systems R Kumar, S Geetha 2018 International Conference on Recent Trends in Advance Computing (ICRTAC ...	2018
A literature review on image encryption techniques S Geetha, P Punithavathi, AM Infanteena, SSS Sindhu International Journal of Information Security and Privacy (IJISP) 12 (3), 42-83	2018
Efficient Rhombus Mean Interpolation for Reversible Data Hiding R Geetha, S Geetha 2018 3rd IEEE International Conference on Recent Trends in Electronics ...	2018
High performance reversible data hiding scheme through multilevel histogram modification in lifting integer wavelet transform S Subburam, S Selvakumar, S Geetha	

Multimedia Tools and Applications 77 (6), 7071-7095	2018
Intrusion detection using NBHoeffding rule based decision tree for wireless sensor networks S Geetha, UN Dulhare, SSS Sindhu 2018 Second International Conference on Advances in Electronics, Computers ...	2018
A Recent Study on High Dimensional Features Used in Stego Image Anomaly Detection J Hemalatha, MK KavithaDevi, S Geetha Applications of Security, Mobile, Analytic, and Cloud (SMAC) Technologies ...	2018
A comparative review of various machine learning approaches for improving the performance of stego anomaly detection H Jeyaprakash, MK KavithaDevi, S Geetha Handbook of Research on Network Forensics and Analysis Techniques, 351-371	2018
Visual cryptography: A brief survey P Punithavathi, S Geetha Information Security Journal: A Global Perspective 26 (6), 305-317	2017
Cloud-based framework for cancelable biometric system P Punithavathi, S Geetha, S Shanmugam 2017 IEEE International Conference on Cloud Computing in Emerging Markets ...	2017
Improved Reversible Data Embedding in Medical Images Using I-IWT and Pairwise Pixel Difference Expansion R Geetha, S Geetha International Conference on Next Generation Computing Technologies, 601-611	2017
Random projection-based cancelable template generation for sparsely distributed biometric patterns P Punithavathi, S Geetha Indonesian J. Electr. Eng. Comput. Sci. 7 (3), 877-886	2017
Generation of cancelable iris template using bi-level transformation P Punithavathi, S Geetha, S Sasikala Proceedings of the 6th International Conference on Bioinformatics and ...	2017
A novel adaptive feature selector for supervised classification S Sasikala, SA alias Balamurugan, S Geetha Information Processing Letters 117, 25-34	2017
Cancelable Biometric Template Security Using Segment-Based Visual Cryptography P Punithavathi, S Geetha Proceedings of International Conference on Computer Vision and Image ...	2017
A novel memetic algorithm for discovering knowledge in binary and multi class predictions based on support vector machine S Sasikala, S Geetha Applied Soft Computing 49, 407-422	2016
Stego anomaly detection in images exploiting the curvelet higher order statistics using evolutionary support vector machine S Muthuramalingam, N Karthikeyan, S Geetha, SSS Sindhu Multimedia Tools and Applications 75 (21), 13627-13661	2016
Multilevel RDH scheme using image interpolation R Geetha, S Geetha 2016 International Conference on Advances in Computing, Communications and ...	2016

Dynamic sector random projection for cancelable iris template P Punithavathi, S Geetha 2016 International Conference on Advances in Computing, Communications and ...	2016
Mobile robot localization and navigation in artificial intelligence: Survey G Nirmala, S Geetha, S Selvakumar Computational Methods in Social Sciences 4 (2), 12	2016
Multi Filtration Feature Selection (MFFS) to improve discriminatory ability in clinical data set S Sasikala, SA alias Balamurugan, S Geetha Applied Computing and Informatics 12 (2), 117-127	2016
ECG Steganography to secure patient data in an E-Healthcare System D Meghani, S Geetha Proceedings of the ACM Symposium on Women in Research 2016, 66-70	2016
IMPROVING DETECTION PERFORMANCE OF ARTIFICIAL NEURAL NETWORK BY SHAPLEY VALUE EMBEDDED GENETIC FEATURE SELECTOR S Sasikala, SA alias Balamurugan, S Geetha Neural Network World 26 (2), 175	2016
AN EFFICIENT ADVANCED HIERARCHICAL ATTRIBUTE BASED SCHEME WITH ASYMMETRIC ENCRYPTION FOR PERSONAL HEALTH RECORDS IN CLOUD COMPUTING TB Sivakumar, S Geetha, M AmuthaPrabhakar Int J Adv Engg Tech/Vol. VII/Issue I/Jan.-March 892, 895	2016
Audio Stego Intrusion Detection System through Hybrid Neural Tree Model S Geetha, SSS Sindhu Handbook of Research on Modern Cryptographic Solutions for Computer and ...	2016