ICACIE-2019

List of Accepted Papers of Main Track

Title and Authors
Crack Detection on Inner Tunnel Surface using Image Processing *Debanshu Biswas, Ipsit Nayak, Shaibal Choudhury, Trishaani Acharjee, Mayank Mishra, and Sidhant*
Detection and Prevention from DDoS Attack Using Software Defined Security *Sumit Badotra, S.N Panda, and Priyanka Datta*
Prediction of Stroke Risk Factors for Better Pre-emptive Healthcare : A Public Survey Based Approach *Debayan Banerjee and Jagannath Singh*
Analysis of the Employability and Benefit of Application of Artificial Neural Net Based Monitoring System for Utility Networks *Shubhranshu Kumar Tiwary, Jagadish Pal, and Chandan Kumar Chanda*
Novel Approach for Resolution Enhancement of Satellite Images Using Wavelet Techniques *Mansing Rathod, Jayashree Khanapuri, and Dilendra Hiran*
A Realistic Sensing Model for Event Area Estimation in Wireless Sensor Networks *Srabani Kundu, Nabanita Das, and Dibakar Saha*
Pre-emptive Spectrum Access for Cognitive Radio *Avirup Das, SandipKarar, Nabanita Das, and Sasthi C. Ghosh*
Multilevel Neuron Model Construction Related to Structural Brain Changes using Hypergraph *Ramanathan Shalini and Ramasundaram Mohan*
Performance of Smart Antenna Arrays for WiMAX Application Under Fading Channels *Anupama Senapati, Pratyushna Singh, and Jibendu Sekhar Roy*
Performance Comparison of Variants of Hybrid FLANN-DE for Intelligent Nonlinear Dynamic System Identification *S. Swayamsiddha*
Language Identification-A Supportive Tool for Multilingual ASR in Indian Perspective *Basanta Kumar Swain and Sanghamitra Mohanty*
Generic Framework for Privacy Preservation in Cyber-Physical Systems *Rashmi Agarwal and Muzzammil Hussain*
AEDBSCAN – Adaptive Epsilon Density Based Spatial Clustering of Applications with Noise *Vidhi Mistry, Urja Pandya, Anjana Rathwa, Himani Kachroo and Anjali Jivani*
Impact of Pre-requisite Subjects on Academic Performance Using Association Rule Mining *Chandra Das, Shilpi Bose, Arnab Chanda, Sandeep Singh, Sumanta Das, and Kuntal Ghosh*
Ensemble Methods to Predict the Locality Scope of Indian and Hungarian Students for the Real Time: Preliminary results *Chaman Verma , ZoltánIllés , and Veronika Stoffová*
Vehicle Number Plate Detection: An Edge Image Based Approach *Kalyan Kumar Jena, Soumya Ranjan Nayak , Sasmita Mishra, and Sarojananda Mishra*
Benchmarking Performance of Erasure Codes for Linux File system EXT4, XFS and BTRFS *Shreya Bokare and Sanjay S. Pawar*
A Supervised Approach to Aspect Term Extraction Using Minimal Robust Features for Sentiment Analysis *Manju Venugopalan, Deepa Gupta, and Vartika Bhatia*
Detection and Classification of Tomato Pests using Support Vector Machine based on HOG and LBP feature Extraction Technique *Gayatri Pattnaik and K. Parvathi*

Load Cell and FSR Based Hand Assistive Device *Aneesha Acharya K, Somashekara Bhat, and Kanthi M*
Poly Scale Space Technique for Feature Extraction in Lip Reading: A New Strategy *Nandini M S, Nagappa U. Bhajantri, and Trisiladevi C Nagavi*
Correlation of Visual Perceptions and Extraction of Visual Articulators for Kannada Lip Reading *Nandini M S, Nagappa U. Bhajantri, and Trisiladevi C Nagavi*
A High Precision Pixel Mapping Method for Image Sensitive Areas based on SVR *Huang Jing, Amit Yadav, Asif Khan, and Dakshina Yadav*
Machine Learning Methods for Vehicle Positioning in Vehicular Ad-Hoc Networks *Suryakanta Nayak, Partha Sarathi Das, and Satyasen Panda*
Effectiveness of Swarm based metaheuristic algorithm in Data Classification Using Pi-Sigma Higher Order Neural Network *Nibedan Panda and Santosh Kumar Majhi*
Deep Learning for Cover Song Apperception *D. Khasim Vali and Nagappa U Bhajantri*
Exploration Of Cognition Impact: An Experiment with Cover Song Retrieval Through Indexing *D. Khasim Vali and Nagappa U Bhajantri*
SVM Based Drivers Drowsiness Detection using Machine Learning and Image Processing Techniques *Rasna P and Smihamol M B*
Automatic Short-Answer Grading using Corpus-based Semantic Similarity Measurements *Bhuvnesh Chaturvedi and Rohini Basak*
Nucleus Segmentation from MicroscopicBone Marrow Image *Shilpa, Rajesh Gopakumar, and Vasundhara Acharya*
An Effective Hybrid Approach for Solving Prioritized Cube Selection Problem using Particle Swarm Optimization and Tabu Search *Anjana Gosain and Heena Madaan*
Power Quality Analysis of a Distributed Generation System using Unified Power Quality Conditioner *Sarita Samal, Akansha Hota, Prakash Kumar Hota, and Prasanta Kumar Barik*
A Novel Authentication Scheme for VANET with Anonymity *Harshita Pal and Bhawna Narwal*
A Productive Review on Sentimental Analysis for High Classification Rates *Gaurika Jaitly and Manoj Kapil*
A hybrid: Biogeography based Optimization-Differential Evolution Algorithm based Transient Stability Analysis *P.K. Dhal*
Developing a Framework for Acquisition and Analysis of Speech *Md. Billal Hossain, Mohammad Shamsul Arefin, and Mohammad Ashfak Habib*
Fusion of Artificial Intelligence for Multi-Disciplinary Optimization: Skidding Track – case study *Abhishek Nigam and Debi Prasad Ghosh*
Smart Railway Management System using IoT *Dethe Tukaram and Uma Maheswari B*
A Single Document Assamese Text Summarization using a Combination of Statistical Features and Assamese WordNet *Nomi Baruah, Shikhar Kr. Sarma, and Surajit Borkotokey*
A Survey on Handover Algorithms in Heterogeneous Wireless Network *Mithun B. Patil and Rekha Patil*
SVM and Ensemble-SVM in EEG-based Person Identification *Banee Bandana Das, Saswat Kumar Ram, Korra Sathya Babu, and Ramesh Kumar Mohapatra*

A Novel Authentication Scheme for Wireless Body Area Networks with Anonymity *Upasna Singh and Bhawna Narwal*
Restraining Voltage Fluctuations in Distribution System with Jaya Algorithm Optimized Electric Spring *K.Keerthi Deepika, Vijaya kumar J., and Gattu Kesava Rao*
Effect of Distributed Generator on Over-current Relay Behaviour *Tapaswini Biswal*
A Self Acting Mechanism to Engender Highlights of a Tennis Game *Ramanathan Arunachalam and Abishek Kumar*
Human Action Recognition Using STIP Evaluation Techniques *H S Mohana and Mahanthesha U*
A Technique to Classify Sugarcane Crop from Sentinel-2 Satellite Imagery using U-Net Architecture *Shyamal Virnodkar, V. K. Pachghare, and Sagar Murade*
Motif Discovery and Anomaly Detection in an ECG using Matrix Profile *Rutuja Wankhedkar and Sanjay Kumar Jain*
Extraction of Relation between Attributes and Class in Breast Cancer Data using Rule Mining Techniques *Krishna Mohan, Priyanka C. Nair, Deepa Gupta, Ravi C. Nayar, and Amritanshu Ram*
Framework to Detect NPK Deficiency in Maize Plants using CNN *Padmashri Jahagirdar and Suneeta V. Budihal*
Preserving Privacy of Data in Distributed Systems using Homomorphic Encryption *Kalyani P, Masooda M, and Namrata P*
Performance Evaluation of RF and SVM for Sugarcane Classification Using Sentinel 2 Time Series NDVI *Shyamal Virnodkar, V. K. Pachghare , V. C. Patil , and Sunil Kumar Jha*
Classification of Nucleotides using Memetic Algorithms and Computational Methods *Rajesh Eswarawaka, S Venkata Suryanarayana, Purnachand Kollapudi, and Mrutyunjaya S Yalawar*
Load Balancing using Firefly Approach *Manisha Tapale, R. H. Goudar, and Mahantesh Birje*
Scaled Document Clustering and Word Cloud based Summarization on Hindi Corpus *Prafulla B. Bafna and Jatinderkumar R. Saini*

List of Accepted Papers of Special Session

Title and Authors
Performance Evaluation of Composite Fading Channels using q-Weibull Distribution *Tanmay Mukherjee and Dilip Senapati*
Rough Set Applications in Medical Health Care Data Analytics *Indrani Kumari Sahu, G.K. Panda, and Susant Kumar Das*
IOT based Modelling of Electronic Healthcare System through Connected Environment *Subhasis Mohapatra and Smita Parija*
SEHS: Solar Energy Harvesting System for IoT Edge Node Devices *Saswat Kumar Ram, Banee Bandana Das, and Kamala Kanta Mahapatra*
Adaptive Applications of Maximum Entropy Principle *Amit Kumar Singh, Dilip Senapati, Tanmay Mukherjee, and Nikhil Kumar Rajput*
A Non-stationary Analysis of Erlang Loss Model *Amit Singh, Dilip Senapati, and Nikhil Rajput*
Identifying Challenges in the Adoption of Industry 4.0 in the Indian Construction Industry *Arpit Singh and Subhas Chandra Misra*

Architecture of Proposed Secured Crypto-Hybrid Algorithm (SCHA) for Security and Privacy Issues in Data Mining *Pasupuleti Nagendra Babu and S. Ramakrishna*
An IoT-based Smart Parking System using Thingspeak *Anagha Bhat, Bharathi Gummanur, Likhitha Priya, and J Nagaraja*
Efficient Watermarking in Color Video Using DWT-DFT and SVD Technique *Mangal Patil, Preeti Bamane, and Supriya Hasarmani*
Stacked De-noising Auto-encoder: A Learning based Algorithm for the Reconstruction of Handwritten Digits *Huzaifa M. Maniyar, Nahid Guard, and Suneeta V. Budihal*

List of Accepted Papers of Women in Engineering (WiE)

Title and Authors
BOSCA–A hybrid Butterfly Optimization Algorithm Modified with Sine Cosine Algorithm *Sushmita Sharma and Apu Kumar Saha*
A Novel Approach to Optimize Deep Neural Network Architectures *Harshita Pal and Bhawna Narwal*
Effective Identification and Prediction of Breast-Cancer Gene using Volterra based LMS/F Adaptive Filter *Lopamudra Das, J.K. Das, and Sarita Nanda*
An Experimental Setup to Study the Effect of Switching Transients for Underground Distribution Cable *Sanhita Mishra, A. Routray, and S.C. Swain*
Gait-based Person Identification, Gender Classification, and Age Estimation: A review *Rupali Patua, Tripti Muchhal, and Saikat Basu*
Performance Analysis of Recursive Rule Extraction Algorithms for Disease Prediction *Manomita Chakraborty, Saroj Kumar Biswas, and Biswajit Purkayastha*
Techniques for Preserving Privacy in Data mining for Cloud Storage: A Survey *Ila Chandrakar and Vishwanath R Hulipalled*
Recent Challenges in Recommender Systems: A Survey *Madhusree Kuanr and Puspanjali Mohapatra*
A QoS aware Binary Salp Swarm Algorithm for Effective Task Scheduling in Cloud Computing *Richa Jain and Neelam Sharma*
An Unsupervised Technique to Generate Summaries from Opinionated Review Documents *Ashwini Rao and Ketan Shah*
Fuzzy Cognitive Map based Genetic Algorithm for Community Detection *Haritha K and Judy M V*