

PRESENTATION SCHEDULE: ICACIE 2018

DAY-1

Regular Session 1.2.1:
Machine Learning Applications
 22 Dec 2018 @ 16:00 hrs - 18:45 hrs

| Paper ID | Paper Details |
|----------|---|
| 33 | Effect of Dimensionality Reduction on Classification Accuracy for Protein-Protein Interaction Prediction <i>Satyajit Mahapatra, Anish Kumar, Animesh Sharma, and Sitanshu Sekhar Sahu</i> |
| 71 | Early Detection of Breast Cancer Using Support Vector Machine with Sequential Minimal Optimization <i>Avinash Kumar, Bijoy M B, and Jayaraj P B</i> |
| 78 | Clustering Performance Analysis <i>N.Karthika and B.Janet</i> |
| 127 | Heuristic Algorithm for Resolving Pronominal Anaphora in Hindi Dialects <i>Seema Mahato, Ani Thomas, and Neelam Sahu</i> |
| 156 | End-to-End Reinforcement Learning for Self-Driving Car <i>Rohan Chopr and Sanjiban Sekhar Roy</i> |
| 203 | Understanding Antibiotic Resistance Using Different Machine Learning Approaches <i>Tanaya Priyadarshini Pradhan and Tripti Swarnkar</i> |
| 283 | Computer Vision Aided Study for Melanoma Detection: A Deep learning vs Conventional Supervised Learning Approach <i>Poorna S S, M Ravi Kiran Reddy, Nukala Akhil, Suraj Kamath, Lekshmi Mohan, Anuraj K, and Haripriya S Pradeep</i> |
| 288 | Clustering of Association Rules on Microarray Gene Expression Data <i>Alagukumar S, Devi Arockia Vanitha C, and Lawrance R</i> |
| 289 | Boolean Association Rule Mining on Microarray Gene Expression Data <i>Vengateshkumar R, Alagukumar S, and Lawrance R.</i> |
| 354 | Early Diagnosis of Alzheimer's Disease using Multi Feature Fusion Using an Ensemble of Classifiers <i>Janakasudha G and Jayashree P</i> |

Regular Session 1.2.2**Data Mining Applications**

22 Dec 2018 @ 16:00 hrs - 18:45 hrs

| Paper ID | Paper Details |
|-----------------|---|
| 119 | A SNN-DBSCAN based Clustering Algorithm for Big Data <i>Sriniwas Pandey, Mamata Samal, and Sraban Kumar Mohanty</i> |
| 229 | Wavelet Transform Domain Methods for Resolution Enhancement of Satellite Images <i>Mansing Rathod, Jayashree Khanapuri, and Dilendra Hiran</i> |
| 240 | Improving query results in Ontology based Case-Based Reasoning by dynamic assignment of feature weights <i>Navin Chandar Jacob and G. Kavitha</i> |
| 269 | A Survey on Representation for Itemsets in Association Rule Mining <i>Carynthia Kharkongor and Bhabesh Nath</i> |
| 273 | Efficient Clustering using Non- Negative Matrix Factorization for Gene Expression Data Set <i>Pooja Kherwa, Poonam Bansal, Sukhvinder Singh, and Tanishaq Gupta</i> |
| 276 | Design of Random Forest Algorithm based Model for Tachycardia Detection <i>Saumendra Kumar Mohapatra, Tripti Swarnkar, and Mihir Narayan Mohanty</i> |
| 284 | Detection of Spams in YouTube Comments Using Different Classifiers <i>Rama Krushna Das, Sweta Shree Dash, Kaberi Das, and Manisha Panda</i> |
| 294 | Prioritizing Public Grievance Redressal Using Text Mining and Sentimental Analysis <i>Rama Krushna Das, Manisha Panda, and Sweta Shree Dash</i> |
| 315 | Identifying Events using k-Bridge Decomposition from Twitter Feeds <i>Muskan Garg and Mukesh Kumar</i> |
| 316 | Deep Learning Architectures for Named Entity Recognition: A Survey <i>Anu Thomas and Sangeetha S</i> |
| 342 | Effect of Familiarity on Recognition of Pleasant and Unpleasant Emotional States Induced by Hindi Music Videos <i>Syed Naser Daimi, Soumil Jain, and Goutam Saha</i> |
| 364 | The Case Study of Brain Tumor Data Analysis using Stata and R <i>Prisilla Jayanthi, Iyyanki V Murali Krishna, Vadakattu Prakruthi, and Padmaja</i> |
| 366 | Predictive Data Analytics for Breast Cancer Prognosis <i>Ritu Chauhan and Neeraj Kumar</i> |
| 382 | A Semantic Approach of Building Dynamic Learner Profile Model Using WordNet <i>T. Sheeba Justin and Reshmy Krishnan</i> |

Regular Session 1.2.3:
Cryptography and Information Security
 22 Dec 2018 @ 16:00 hrs - 18:45 hrs

| Paper ID | Paper Details |
|-----------------|--|
| 92 | Synthetic Image and Strange Attractor: Two Folded Encryption Approach for Secure Image Communication <i>Sridevi Arumugham, Sundararaman Rajagopalan, Sivaraman Rethinam, Siva Janakiraman, Lakshmi C, and Amirtharajan Rengarajan</i> |
| 125 | Role of Soft Outlier Analysis in Database Intrusion Detection <i>Anitarani Brahma and Suvasini Panigrahi</i> |
| 150 | Gray Level Text Encryption Using Chaotic Maps and Arnold Transform <i>Vasudharini Moranam Ravi, Lakshmi C, Nishi Prasad, Sivaraman Rethinam, Sridevi Arumugham and Amirtharajan Rengarajan</i> |
| 181 | Application of Deep Learning for Database Intrusion Detection <i>Rajesh Kumar Sahu and Suvasini Panigrahi</i> |
| 193 | Design of Intrusion Detection System for Wormhole Attack Detection in Internet of Things <i>Snehal Deshmukh-Bhosale</i> |
| 232 | Information Encoding, Gap Detection & Analysis from 2D LiDAR Data on Android Environment <i>Arpan Phukan, Pronam Phukan, Rohit Sinha, Shyamal Hazarika, and Abhijit Boruah</i> |
| 311 | Attribute based Convergent Encryption Key Management for Secure Deduplication in Cloud <i>Silambarasan E, Nickolas S, and Mary Saira Bhanu S</i> |
| 361 | Computing Articulation Points Using Maximal Clique Based Vertex Classification <i>Sadhu Sai Kaushal, Mullapudi Aseesh, and Jyothisha J Nair</i> |

DAY-2

Regular Session 2.1.1:
Advanced Image and Video Processing
23 Dec 2018 @ 09:30 hrs - 12:10 hrs

| Paper ID | Paper Details |
|----------|---|
| 17 | Feature-relevance Analysis and Feature Reduction of UNSW NB-15 Using Neural Networks on MAMLS <i>Smitha Rajagopal, Hareesha.K.S, and Poornima Panduranga Kundapur</i> |
| 40 | Video Summarization Based on Optical Flow <i>Dipti Jadhav and Udhav Bhosle</i> |
| 59 | Decision Support System for Black Classification of Dental Images Using GIST Descriptors <i>Prerna Singh and Priti Sehgal</i> |
| 68 | Pattern Analysis of Brain Functional Connectivity Parameters after Removal of Artifactual Motifs from EEG during Meditation <i>Laxmi Shaw and Aurobinda Routray</i> |
| 85 | Hyper-Heuristic Image Enhancement (HHIE): A Reinforcement Learning Method for Image Contrast Enhancement <i>Mitra Montazeri</i> |
| 86 | Modified Histogram Segmentation Bi-Histogram Equalization <i>Mitra Montazeri</i> |
| 270 | Comparative Analysis of Salt and Pepper Removal Techniques for Binary Images <i>Usha Rani, Amandeep Kaur, and Gurpreet Joshan</i> |
| 274 | An Intelligent Approach for Noise Elimination from Brain Image <i>Pritisman Kar and Mihir Narayan Mohanty</i> |
| 321 | Hyper-Spectral Image Denoising using Sparse Representation <i>Vijay Chilkewar and Vibha Vyas</i> |
| 325 | Automated Retinal Vessel Segmentation Based on Morphological Preprocessing and 2D-Gabor Wavelets <i>Kundan Kumar, Debashisa Samal, and Suraj</i> |
| 351 | Spectral Smoothing based Waveform Concatenation Technique for Speech Quality Enhancement in Indian Language Text to Speech Systems <i>Soumya Priyadarsini Panda and Ajit Kumar Nayak</i> |
| 393 | Breast Abnormality Detection Using LBP Variants and Discrete Wavelet Transform <i>M.K.Kaushik, Spandana Paramkusham, and V.Akhilandeswari</i> |

Women in Engineering (WiE) Session 2.1.2:
23 Dec 2018 @ 09:30 hrs - 12:10 hrs

| Paper ID | Paper Details |
|-----------------|--|
| 258 | An Automatic Summarizer for a Low Resourced Language <i>Sagarika Pattnaik and Ajit Kumar Nayak</i> |
| 275 | Bandwidth Enhancement of Microstrip Array in Wireless Communication with Optimized Geometry <i>Sarmistha Satrusallya and Mihir Narayan Mohanty</i> |
| 394 | Printed Odia Symbols for Character Recognition: A Database Study <i>Sanjibani Sudha Pattanayak, Sateesh Kumar Pradhan, and Ramesh Chandra Mallik</i> |
| 431 | Current Perspectives and Advancements of Perovskite Photovoltaic Cells <i>Chandni Devi and Rajesh Mehra</i> |
| 444 | A Comparative Study of Task Scheduling Algorithm in Cloud Computing <i>Subhashree Mohapatra, Chhabi Rani Panigrahi, Bibudhendu Pati, and Manohar Mishra</i> |
| 447 | PSO Based Test Case Generation: A Fitness Function Based on Value Combined Branch Distance <i>Rashmi Rekha Sahoo and Mitrabinda Ray</i> |
| 449 | A Comparative Analysis on Filtering Techniques Used in Pre-processing of Mammogram Image <i>Sushreeta Tripathy and Tripti Swarnkar</i> |
| 450 | Importance of Data Standardization Methods On Stock Prediction Accuracy <i>Binita Kumari and Tripti Swarnkar</i> |
| 453 | Random Invertible Key Matrix Decomposition for Classical Cryptography <i>Adyasha Behera, Alakananda Tripathy, Alok Ranjan Tripathy, and Smita Rath</i> |

Special Session 2.1.3:
23 Dec 2018 @ 09:30 hrs - 12:10 hrs

| Paper ID | Paper Details |
|----------|--|
| 391 | Security Issues in IoT and their Counter Measures in Smart City Applications <i>Debabrata Singh, Bibudhendu Pati, Chhabi Rani Panigrahi, and Shrabanee Swagatika</i> |
| 418 | Performance Evaluation of Delay-Tolerant Routing Protocols on Bangladesh Map <i>Md. Shahedul Islam, Sadia Islam Thaky, and Md. Sharif Hossen</i> |
| 420 | Factors affecting Sprint Effort Estimation <i>Melvina Autar Ramessur and Soulakshmee Devi Nagowah</i> |
| 428 | An Efficient Approach for Running Multimedia Applications Using Mobile Cloud Computing <i>Rajesh Kumar Verma, Chhabi Rani Panigrahi, and Bibudhendu Pati</i> |
| 430 | Mauritius as a Smart Tourism destination: Technology for Enhancing Tourism Experience <i>Randhir Roopchund</i> |
| 432 | Upgraded Proportional Integral (UPI): An active queue management technique for enhancing MANET's Performance <i>Naveen Ranjan, B. Nithya</i> |
| 433 | A Review on Machine Learning Techniques for Software Quality Prediction <i>Sanjeev K Cowlessur, Saumendra Pattnaik, and Binod Kumar Pattanayak</i> |
| 438 | Investigating Determinants of Profitability of Commercial firms: Rough Set Analysis <i>Arpit Singh and Subhas Chandra Misra</i> |
| 439 | A Survey of Knowledge Capture and Knowledge Sharing Techniques in Agile Software Companies <i>Mohammad Anass Korimbocus, Thaveersingh Towokul, and Soulakshmee D. Nagowah</i> |
| 451 | An Efficient Selection Procedure with an Enhanced Load Balancing Scheme for GridSim <i>Deepak Kumar Patel and Chitaranjan Tripathy</i> |
| 454 | High Speed Loop Unrolled Grain Architecture In Reconfigurable Hardware <i>Paresh Baidya, Rourab Paul, and Suman Sau</i> |

**Regular Session 2.2.1:
Advanced Electronics Applications-I
23 Dec 2018 @ 16:15 hrs - 18:15 hrs**

| Paper ID | Paper Details |
|-----------------|---|
| 18 | Design and Analysis of Slotted Microstrip Patch Antenna Using DGS for S band <i>Nikita Saxena and Asmita Rajawat</i> |
| 58 | Current Control of a CHB Multilevel Inverter using PR and Adaptive Fuzzy PI Controller; a Comparison <i>Gayatri Mohapatra and Asim Kumar Dey</i> |
| 66 | Reversible Gate Mapping Into QCA Explicit Cells Packed with Single Layer <i>Bandan Kumar Bhoi, Neeraj Kumar Misra, Lalatendu Pati, Aditya Hota, and Suvendu N. Mishra</i> |
| 90 | Pyramid Entropy Source for True Random Number Generator on FPGA <i>Sivaraman Rethinam, Sundararaman Rajagopalan, Sridevi Arumugham, Siva Janakiraman, Lakshmi C, and Amirtharajan Rengarajan</i> |
| 91 | A Multi-objective Approach to Study the Effects Of Ball Race Conformity on Optimum Design of Rolling Element Bearing Using Metaheuristics <i>S.N.Panda, S.Panda, and D.S. Khamari</i> |
| 128 | Design and Analysis of Higher Order Sigma Delta Modulator <i>Deepti Malhotra and Alpana Aggarwal</i> |
| 145 | A New Variant of MTF-Trans List Accessing Hybrid Algorithm <i>Richismita Rout, Shiba Prasad Dash, and Pratyashi Satapathy</i> |
| 154 | Design and implementation of factorial circuit for Binary numbers: An AVM based VLSI Computing Approach <i>Siba Kumar Panda, Ankita Sahoo, and Dhruva Charan Panda</i> |

Regular Session 2.2.2:
Advanced Electronics Applications-II
23 Dec 2018 @ 16:15 hrs - 18:15 hrs

| Paper ID | Paper Details |
|-----------------|---|
| 255 | J1939 Functionality Development in Diagnostic Event Manager Module Based on AUTOSAR 4.2.1 <i>Ankit Sharma, R.K. Sharma and Narayan Kamath</i> |
| 277 | Comparing ARIMAX over ANN for Peak Load Forecasting <i>Kuheli Goswami, Ayandeep Ganguly, and Arindam Kumar Sil</i> |
| 295 | Design and Investigation of Compact Microstrip Patch Array Antennas for Narrowband Applications <i>Swapnil Thorat, and Sangeeta R. Chougule</i> |
| 347 | Multi verse optimizer for Dynamic stability analysis using STATCOM and Power system stabilizer <i>P.K. Dhal</i> |
| 352 | Performance Analysis of a Co-Ordinated Designed PID and UPFC-Based Stabilizer <i>Ravi Prakash Mahobia, Mahesh Singh, Shimpy Rahlan, and Ritu Sharma</i> |
| 379 | Design of Low Power Reduced Complexity Wallace Tree Multiplier using Positive Feedback Adiabatic Logic <i>Ganavi M.G., and Premananda B. S.</i> |
| 380 | Low-Power 8-Bit Adiabatic Barrel Shifter for DSP applications <i>Nagesh Nazare, Premananda B. S., Pradeep Bhat, and Nayana Jambhe</i> |
| 445 | Offer Based-Auction Mechanism for Virtual Machine Allocation in Cloud Environment <i>Sasmita Parida, Bibudhendu Pati, Suwendu Chandan Nayak, and Chhabi Rani Panigrahi</i> |

DAY-3

Regular Session 3.1.1:
Cloud Computing, IoT, and Bigdata
24 Dec 2018 @ 09:30 hrs - 12:10 hrs

| Paper ID | Paper Details |
|----------|--|
| 52 | Automated Red Lesion Detection: An Overview <i>Arati Manjaramkar and Manesh Kokare</i> |
| 77 | Big Data for E-Governance <i>R Rajasekar and P Sivakumar</i> |
| 88 | Enhanced Performance of Android Application using RecyclerView <i>N. Sabiyath Fatima, D. Steffy, D. Stella , S. Nandhini Devi</i> |
| 103 | Personalized Web Search <i>Paladugu Phalani, Desu Hema Sai, Adibhatla Sameera, Sorda Sushma Swaroopa, and K.S. Sudeep</i> |
| 120 | Cooperative Game Theory Based Request Distribution Model in Federated Cloud Environment <i>Sahil Kansal, Harish Kumar , and Sakshi Kaushal</i> |
| 138 | Monarch Butterfly Optimization approach to Dynamic Task Scheduling <i>Chouhan Kumar Rath, Prasanti Biswal, and Shashank Sekhar Suar</i> |
| 142 | Automation of Traffic Violation Detection and Penalization <i>Valliyammai C, Sridharan J, and Ramanathan A</i> |
| 244 | Secure Big data Deduplication with Dynamic Ownership Management in Cloud Computing <i>Srinivas Gonthireddy, and Syam Kumar Pasupuleti</i> |
| 266 | Characterization of range for smart home sensors using Tsallis' entropy framework <i>Sujit Beborntta, Amit Kumar Singh, Surajit Mohanty, and Dilip Senapati</i> |
| 267 | Performance Improvement of Texture Based CBIR on Microsoft Azure Public Cloud <i>Mamta Meena and Sarang Kulkarni</i> |
| 291 | Call Data Analytics Using Big Data <i>V.N.S Manaswini and K.V.Krishnam Raju</i> |
| 383 | Lightweight, Scalable and Secure Middleware for Service-centric Context-aware Applications <i>Veeramuthu Venkatesh, Pethuru Raj, and P. Balakrishnan</i> |
| 452 | IoT Based Cardiac Arrest Prediction through Heart Variability Analysis <i>Santosh Kumar and Dilip Kumar Choubey</i> |

Regular Session 3.1.2:
Advanced Computer Networks
 24 Dec 2018 @ 09:30 hrs - 12:10 hrs

| Paper ID | Paper Details |
|----------|--|
| 76 | Application of Group Mobility Model for Ad-Hoc Network <i>Kailash P. Dewangan, Padma Bonde, and Rohit Raja</i> |
| 200 | A PSO Based Approach for Improvement in AODV Routing for Ad-hoc Networks <i>Shruti Dixit</i> |
| 202 | Health Monitoring Planning for On-board Ships through Flying Ad-hoc Network <i>Sudesh Kumar, Abhishek Bansal, and Ram Shringar Raw</i> |
| 330 | Improved Spectrum and Traffic Aware Routing Protocol for Cognitive Radio-VANET <i>R. Raja Kumar, KaviPriya M, P. Indumathi, and C. Satheeswaran</i> |
| 339 | QoS Optimization of Wireless Sensor Network for Large Foodgrain Warehouse Monitoring Using NS-2 <i>Dipak Shelar, Arvind Shaligram, and Damayanti Gharpure</i> |
| 358 | Monitoring and Analysis of Power Quality Issues in Distribution Network-A Case Study <i>V. S. Jape, D. S. Bankar, and Tejaswini Sarwade</i> |
| 392 | Vulnerability Analysis of Real Time Operating Systems for Wireless Sensor Networks <i>Rajesh M and Sreevidya B</i> |

**Regular Session 3.1.3:
Advanced Algorithms, Software Engineering
24 Dec 2018 @ 09:30 hrs - 12:10 hrs**

| Paper ID | Paper Details |
|-----------------|---|
| 05 | State space reduction using Branch and Bound Method <i>Bidush Sahoo and Mitrabinda Ray</i> |
| 106 | Exploring Application of Knowledge Space Theory in Accessibility Testing <i>Neha Gupta</i> |
| 157 | Unsupervised Detection of Dispersion and Merging Activities for Crowded Scenes <i>Manasi Pathade and Madhuri Khambete</i> |
| 247 | Performance evaluation of MAC Protocols with Static and Dynamic Duty Cycle in WSNs <i>Gulshan Soni and Selvaradjou Ka</i> |
| 251 | Mapping Clinical Narrative Texts of Patient Discharge Summaries to UMLS Concepts <i>Swarupananda Bissoyi and Manas Ranjan Patra</i> |
| 252 | Enhanced Decision Tree Algorithm for Discovery of Exceptions <i>Sunil Kumar, Saroj Ratnoo, and Renu Bala</i> |
| 290 | A Fuzzy Approach for Cost and Time Optimization in Agile Software Development <i>Anupama Kaushik, Devendra Kr. Tayal, and Kalpana Yadav</i> |
| 372 | Designing a BYOD supported formative learning interface and analysis of classroom interaction <i>Suman Deb, Nisha Saha, and Paritosh Bhattacharya</i> |
| 442 | hBOSOS: An Ensemble of Butterfly Optimization Algorithm and Symbiosis Organisms Search for Global Optimization <i>Sushmita Sharma, Apu Kumar Saha, Joy Lal Sarkar, and Chhabi Rani Panigrahi</i> |