

PRESENTATION SCHEDULE : ICACIE 2016

Regular session 1.2.1:

Advanced Image Processing – I

21 Dec 2016 @ 16:00 hrs - 18:45 hrs

Article ID	Article Details
047	A Framework for Pixel Intensity Modulation Based Image Steganography Srijan Das, Saurav Sharma, Sambit Bakshi, and Imon Mukherjee
164	Biometric Identification (Analysis based on Fingerprints and Faces) Annapurna Mishra, Niharika Modi, and Monika Panda
210	Low-Resolution Image Recognition Using Cloud Hopfield Neural Network Neha Soni, Narotam Singh, Amita Kapoor, and Enakshi K. Sharma
230	Adaptive Multi-bit Image Steganography Using Pixel-Pair Differential Approach Uttiya Ghosh, Debanjan Burman, Smritikana Maity, and Imon Mukherjee
232	OCR-Assessment of Proposed Methodology Implications and Invention Outcomes with Graphical Representation Algorithmic Flow Santosh Kumar Henge and B. Rama
287	Local Diagonal Laplacian Pattern: A New MR and CT Image Feature Descriptor Praveen Kumar Reddy Yelampalli and Jagadish Nayak
293	A Novel Approach for Multimodal Biometric System Using Iris and Palmprint Yakshita Jain and Mamta Juneja
340	GPU Based Bag of Feature for Fast Activity Detection in Video Vikas Tripathi, Durgaprasad Gangodkar Samin Badoni, and Sagar Singh Bisht
342	A New Approach Using Discrepancy Theory for MR Image Segmentation AbirHudait, Nitish Pandey, LalitVashistha, M.N. Das, and AmitavaSen
384	Computer Aided Diagnosis of Type-2 Diabetes Mellitus Using Thermograms of Open Mouth Priyam Singh, M. Anburajan, J.S. Kumar, and Amrita Basundhara Pal

Regular session 1.2.2

Learning Algorithms, Neural Networks and Pattern Recognition – I

21 Dec 2016 @ 16:00 hrs - 18:45 hrs

Article ID	Article Details
048	A Framework to Enhance the Learning Outcome with Fuzzy Logic Based Adaptive Behavioural Learning System Jagrati, Suman Deb, and Paritosh Bhattacharya
051	Experimental Comparison of Sampling Techniques for Imbalanced Data Set using various Classification Models Sanjibani Sudha Pattanayak and Minakhi Rout
075	Blended 3D Interaction Using Wii-Remote for Learning Educational Content Suman Deb, Mitali Sinha, Sonia Nandi, and Paritosh Bhattacharya
082	Augmented Use of Depth Vision for Interactive Applications Sonia Nandi, Suman Deb, and Mitali Sinha
089	An Enhanced Intrusion Detection System Based on Clustering Samarjeet Borah, Ranjit Panigrahi, and Anindita Chakraborty
137	Identification of Co-Expressed microRNAs Using Rough Hypercuboid Based Interval Type-2 Fuzzy C-Means Algorithm Partha Garai and Pradipta Maji
147	A Novel algorithm for Network Anomaly Detection Using Adaptive Machine Learning Ashok Kumar Durairaj and S.R. Venugopalan

361	Thought Co-Relation: A Quantitative Approach To Classify EEG Data for Predictive Analysis Anirvan Maiti, Hema Veeradhi, and Snehanshu Saha
377	Modified Rotation Forest Ensemble Classifier for Medical Diagnosis in Decision Support Systems Ani R., O.S Deepa, Jithu Jose, and Manu Wilson
543	Isolated Kannada Speech Recognition Using HTK - A Detailed Approach Sneha V., Hardhika G., JeevaPriya K., and Deepa Gupta

Regular session 1.2.3:

Authentication Methods, Cryptography and Security Analysis

21 Dec 2016 @ 16:00 hrs - 18:45 hrs

Article ID	Article Details
054	Analytical Assessment of Security Mechanisms of Cloud Environment Bijeta Seth and Surjeet Dalal
068	BRRC: A Hybrid Approach Using Block Cipher and Stream Cipher Binay Kumar, Muzzammil Hussain, and Vijay Kumar
209	A Novel and Efficient Perceptual Image Encryption Based on Knight Moves and Genetic Operations Jalesh Kumar and S. Nirmala
224	A Flow Marking Based Anti-Spoofing Mechanism (FMAS) Using SDN Approach Nabajyoti Medhi and Saifuddin Ahmed
372	Cheating Immune Visual Cryptographic Scheme with Reduced Pixel Expansion Praveen K. and Sethumadhavan M.
417	Securing Sensitive Data Information through Multiplicative Perturbation Approach Based on UML Modeling Anurag Kumar, Deepak Arora, and Upendra Kumar
527	Secret Communication Combining Cryptography and Steganography Ayan Chatterjee and Asit Das
557	Biometric-based System for Intrusion Detection and Prevention Mechanism for Energy Efficiency in Wireless Sensor Networks Gauri Kalnoor and Jayashree Agarkhed
608	A Distinct Cyberattack: Phishing Prisilla Jayanthi G

Regular session 2.1.1:

Emerging Techniques in Computing

22 Dec 2016 @ 09:30 hrs - 12:10 hrs

Article ID	Article Details
001	Designing and Simulation Tools of Renewable Energy Systems: Review Literature Prashant Kumar and Sanjay Deokar
013	Design of a Medical Expert System (MES) Based on Rough Set Theory for Detection of Cardio-Vascular Diseases Sangeeta Bhanja Chaudhuri and Mirzanur Rahman
061	Relevant Slicing of Feature-Oriented Programs Madhusmita Sahu and Durga Prasad Mohapatra
074	Efficient tuning of COCOMO Model Cost Drivers through Generalized Reduced Gradient (GRG) Nonlinear Optimization with Best-Fit Analysis Surjeet Dalal, Neeraj Dahiya, and Vivek Jaglan
112	A Smarter Approach for Better Lifestyle in Indian Societies Agam Agarwal, Divyansh Goel, Ankit Tyagi, Anshuli Aggarwal, and Rohit Rastogi

165	Characterization of Human Knowledge for Intelligent Tutoring NeeluJyoti Ahuja
177	A Conceptual Software Model of E-business to Analyze the Growth Rate of A Product Sumanta Chatterjee, Sneha Roy Chowdhury, and Kaveri Roy
204	Minion: A Following Robot Using Ultrasonic Wave Intisar Reza Abir, Iffat Sharmim Shanim, and Nova Ahmed
469	Genetic Algorithm Based Approach for RNA Secondary Structure Prediction Pradnya Borkar and Anjali Mahajan
480	E-Commerce- Consumer Perceptive Model for Online Purchases Ahmad Khalid Nazari and Archana Singh
503	Data Rate and Symbol Error Rate Analysis of Massive MIMO for 5G Applications Shipra Singh, Sindhu Hak Gupta and Asmita Rajawat
590	Adsorption of CO ₂ Using Modified ZSM5 Zeolite in Petrol Engines Baskara Sethupathi, Leenus Jesu Martin, and Muthuvel Arumugam
601	Integration of Python Based MDSPLUS Interface for ICRH DAC Software Rameshkumar Joshi, Swanand S. Kulkarni, and S.V. Kulkarni

Regular session 2.1.2:

Optical Networks, Wireless Sensor Networks, VANETS and MANETS

22 Dec 2016 @ 09:30 hrs - 12:10 hrs

Article ID	Article Details
058	Parameter Controlled Gas Sensor System for Development of Sensor Model Dipali Ramdasi and Rohini Mudhalwadkar
066	Analysis on Congestion Control Mechanism in Wireless Networks Abirami S. and Kumudhan Cherarajan
080	A Distributed Transmission Power Efficient Fault-Tolerant Topology Management Mechanism for Non-homogeneous Wireless Sensor Network Gyananjaya Tripathy, Amiya Kumar Rath, and Manas R. Nayak
116	Dynamic Localization Algorithm for Wireless Sensor Networks Meghavi Choksi, Saurabh K. Pandey, Mukesh A. Zaveri, and Sanjay Garg
208	Improving Quality of Services During Device Migration in Software Defined Network Raj Kumar, Mayank Tiwary, Abhishek Singh, Kshira Sagar Sahoo, and Bibhudatta Sahoo
243	An Improved Mechanism to Prevent Blackhole Attack in MANET Akhilesh Singh and Muzammil Hasan
299	Efficient Placement of ONUs via Ant Colony Optimization Algorithm in Fiber Wireless (FiWi) Access Networks Uma Rathore Bhatt, Aakash Chhabra, Nitin Chouhan, and Raksha Upadhyay
315	Performance Analysis of Different PON Standards Up-To 10Gbps for Bidirectional Transmission Employing Square Root Module Anukul Sharma, Amit Kumar Garg, and Vijay Janyani
351	A Review of Recent Energy Efficient Mechanisms for Fiber Wireless (FiWi) Access Network Vijendra Mishra, Raksha Upadhyay, and Uma Rathore Bhatt
367	Impediments in the New Establishment of Grid Computing Architectures in Low and Lower Middle Income Countries Prashant Wankhede
409	Fuzzy A-Star Based Cost Effective Routing (FACER) in Wireless Sensor Network Arabinda Nanda and Amiya Rath
416	Low Delay Routing Algorithm for Fi-Wi Access Network Raksha Upadhyay, Shweta Pandey, and Uma Rathore Bhatt
512	A Novel Approach to Avoid Selfish Nodes During Allocation of Data Item in MANET Satyashree Samal, Manas Ranjan Mishra, Bibudhendu Pati, Chhabi Rani Panigrahi, and Joy Lal Sarkar

Regular session 2.1.3:
Advanced Image Processing – II
22 Dec 2016 @ 09:30 hrs - 12:10 hrs

Article ID	Article Details
069	Higher-order Nonlinear Analysis with Core Tensor and Frame-wise Approach for Dynamic Texture Synthesis Premanand Ghadekar and Nilkanth Chopade
294	Ultrasound Thyroid Image Segmentation, Feature Extraction and Classification of Disease Using Feed Forward Back Propagation Network Snehalatha Umopathy and Gomathy Vasu
304	Recent Advancements in Detection of Cancer Using Various Soft Computing techniques for MR Images Varun Srivastava and Ravindra Purvar
322	Insight on Symmetrical Posture Detection of Human Using SIFT Smita and Sangeeta Jadhav
326	Complete Forward and Reverse Text Transcription of Odia Braille and Hindi Braille Vinod Jha and K. Parvathi
356	Error Detection and Correction Using Parity and Pixel Values of Image Narander Kumar and Jaishree Bansal
435	3D Surface Measurement through Easy-snap Phase Shift Fringe Projection Harshavardhan A., Vanugopal T., and Suresh Babu D.
446	Off-line Handwritten Odia Character Recognition Using DWT and PCA Abhisek Sethy, Prashanta Kumar Patra, and Deepak Ranjan Nayak
463	Lesion Volume Estimation from TBI – MRI Sanjay Sarma Oruganti Venkata, Martha Betancur, Ramana Pidaparti, and Lohitash Karumbaiah
570	Text Recognition from Scene Images through Tesseract OCR Engine Ranjit Ghoshal, Swapan K. Parui, and Bibhas Chandra Dhara

Regular session 2.2.1:
Cloud Computing and Distributed Systems
22 Dec 2016 @ 16:15 hrs - 18:15 hrs

Article ID	Article Details
182	Minimizing Cipher Text in Homomorphic Encryption Scheme for Cloud Data Manish Potey, C. A. Dhote, and Deepak Sharma
221	Performance Analysis of Cloud Resource Provisioning Algorithms Surjeet Dalal and Shilpa Kukreja
256	Optimized Approach to Electing Coordinator Out of Multiple Election in a Ring Algorithm of Distributed System Sunil Kumar Chowdhary, Rajneesh Tanwar, Krishna Kanth Gupta, Abhishek Srivastava, and Michail Papoutsidakis
301	Access Control Framework using Dynamic Attributes Encryption for Mobile Cloud Environment Neha Agrawal and Shashikala Tapaswi
319	Improving Energy Usage in Cloud Computing Using DVFS Sambit Kumar Mishra, Priti Paramita Parida, Sampa Sahoo, Bibhudatta Sahoo, and Sanjay Kumar Jena
376	Modeling of Task Scheduling Algorithm Using Petri-Net in Cloud Computing Suvendu Chandan Nayak, Sasmita parida, Chitaranjan Tripathy, and Prasant Kumar Pattnaik
379	Cuckoo Search on Parallel Batch Processing Machines Arindam Majumder and Dipak Laha
396	Energy Saving Task Consolidation Technique in Cloud Centers with Resource Utilization Threshold Mahendra Kumar Gourisaria, Sudhansu Shekhar Patra, and Pabitra Mohan Khilar

410	Cloud Service Ranking Using Checkpoint Based Load Balancing in Real Time Scheduling of Cloud Computing Mohammad Riyaz Belgaum, Safeullah Soomro, Zainab Alansari, and Muhammad Alam
504	E2G: A Game Theory Based Energy Efficient Transmission Policy in Mobile Cloud Computing Joy Lal Sarkar, Chhabi Rani Panigrahi, Bibudhendu Pati, Rajani Trivedi, and Shibendu Debbarma
510	Development of Educational Geospatial Database for Cloud SDI Using Open Source GIS Rabindra Barik, Rakesh Kumar Lenka, S.R. Sahoo, B.B. Das, and Jashika Pattnaik
565	M2C: An Energy Efficient Mechanism for Computation in Mobile Cloud Computing Rajesh Kumar Verma, BibudhenduPati, Joy Lal Sarkar, Chhabi Rani Panigrahi, and Subhashish Das Mohapatra

Regular session 2.2.2:

Learning Algorithms, Neural Networks and Pattern Recognition - II

22 Dec 2016 @ 16:15 hrs - 18:15 hrs

Article ID	Article Details
173	Recognition of Odia Conjunct Characters Using a Hybrid ANN-DE Classification Technique Mamata Nayak and Ajit Kumar Nayak
195	Email Classification Using Supervised Learning Algorithms Suraj Salunkhe, Ruchit Modi, Saifuddin Hitawala, and Akshay Bhadra
247	Multilayer Perceptron Neural Network Based Immersive VR System for Cognitive Computer Gaming P.S. Jagadeesh Kumar
258	Computer Aided Therapeutic of Alzheimer's Disease Eulogizing Pattern Classification and Deep Learning Protruded on Tree-based Learning Method P.S. Jagadeesh Kumar
259	A Survey on Computer Aided Detection Techniques of Prostate Cancer Gaurav Garg and Mamta Juneja
393	Social Data Analytics by Visualized Clustering Approach for Healthcare Rajendra Prasad K., Surya Prabha I., Rajasekhar N., and Rajasekhar Reddy M.
434	Mining Efficient Rules for Scene Classification Using Human-Inspired Features Padmavati Shrivastava, K.K. Bhoyar, and A.S. Zadgaonkar
447	Patent Document Clustering Using Dimensionality Reduction Girthana K. and Swamynathan S.
494	SC2: A Selection Based Consensus Clustering Approach Arko Banerjee, BibudhenduPati, and Chhabi Rani Panigrahi
536	Stable cluster formation Using Genetic Algorithm Sunanda Das, Asit Das, and Shreya Chaudhuri

Regular session 3.1.1:

Application of Informatics

23 Dec 2016 @ 09:30 hrs - 12:10 hrs

Article ID	Article Details
036	Simulation Based Detection of Lyme Disease in Blood in Rhesus Macaques Using Combined Volterra RLS-MTP Approach for Proper Antibiotic Sumant Kumar Mohapatra, Sushil Kumar Mahapatra, Santosh Kumar Sahoo, Shubhashree Ray, and Smurti Ranjan Dash
039	A Study on Some Aspects of Biologically Inspired Multi-Agent Systems Gautam Mitra and Susmita Bandyopadhyay

161	A Qualitative Hemodynamic Analysis on Human Cerebrovascular Phantom Pranati Rakshit, Nirmal Das, Mita Nasipuri, and Subhadip Basu
318	A Case Study for Ranking of Relevant Search Results Santanu Ghosh and Rakesh Chandra Balabantaray
358	Constrained Team Formation Using Risk Estimation Based on Reputation and Knowledge Gaganmeet Kaur Awal and K.K. Bharadwaj
383	Compare Different Similarity Measure Formula Based Imprecise Query on Neutrosophic Data Soumitra De and Jaydev Mishra
387	Path Executions of Java Bytecode Programs Safeullah Soomro, Zainab Alansari, and Mohammad Riyaz Belgaum
425	An Approach to Track Context Switches in Sentiment Analysis Srishti Sharma and Shampa Chakraverty
468	Calendric Association Rule Mining from Time-Series Database Mudra Panchal and Ghanshyam Prajapati
541	Maintaining Bi-temporal Schema Versions in Temporal Data Warehouses Anjana Gosain and Kriti Saroha
564	Designing Natural Language Processing Systems with QuickScript As a Platform Anirudh Khanna, Akshay Saini, Akshay Garg, and Akshita Bhalla
603	Implementation of Low Cost, Reliable and Advanced Control with Head Movement, Wheelchair for Physically Challenged People Kunjan D. Shinde, Sayera Tarannum, Veerabhadrapa T., Gagan E. , and Vinay Kumar P.

Regular session 3.1.2:

Computational Intelligence: Algorithms, Applications and Future Directions

23 Dec 2016 @ 09:30 hrs - 12:10 hrs

Article ID	Article Details
168	Optimize Scale Independent Queries with Invariant Computation S Anuja, M. Monisha Devi, and Radha Senthilkumar
207	Generation of Optimized Robotic Assembly of Radial Engine Rupalin Biswal and Bibhuti Bhusan Choudhury
267	Velocity Restriction Based Improvised Particle Swarm Optimization Algorithm Mouna H., Mukhil Azhagan M.S., Radhika M.N., Mekaladevi V., and Nirmala Devi M.
291	Mullti Purpose GPS Guided Autonomous Mobile Robot Abhishek Singh, Kshetrimayum Thoithoi Chanu, and Dhruva Ningombam
401	A Modification to Graph Based Approach for Extraction Based Automatic Text Summarization Sunchit Sehgal, Badal Kumar, Maheshwar Sharma, Lakshay Rampal, and Ankit Chaliya
483	Intellectual Conveyance Structure for Travellers Vishal B. Pattanashetty, Nalini C. Iyer, and H.L. Viswanath
509	A Viewpoint on Different Data Deduplication Systems and Allied Issues Shamsher Singh and Ravinder Singh
556	Improved Genetic Algorithm for Selecting Significant Genes in Cancer Diagnosis Soumen Kumar Pati, Saptarshi Sengupta, and Asit Das
563	Perspective Approach Towards Business Intelligence Framework in Healthcare Kavita Mittal, Sanjay Dubey, and B.K. Sharma
617	Gene Selection and Enrichment for Microarray Data- A Comparative Network Based Approach Debasish Swapnesh Kumar Nayak, Saswati Mahapatra, and Tripti Swarnkar

Regular session 3.1.3:
Big Data and Recommendation Systems
 23 Dec 2016 @ 09:30 hrs - 12:10 hrs

Article ID	Article Details
198	Role of Big Data in Make in India Sandeep Tayal, Nishant Nagwal, and Kapil Sharma
302	Agent Based Wormhole Attack Detection and Prevention Algorithm in the Cloud Network Using the Map Reduce Technique Priyanka Verma, Shashikala Tapaswi, and W. Wilfred Godfrey
321	Tourism Recommendation Using Machine Learning Approach Anjali Dewangan and Rajdeep Chatterjee
451	A Secure Clustering Technique for Unstructured and Uncertain Big Data Md. Tabrez Nafis and Ranjit Biswas
497	Reducing Search Space in Big Data Mining Surabhi Kumari, Sathve V.G., and Savita Shetty
593	Justification in Group Recommender Systems Venkateswara Rao Kagita, Arun K. Pujari, and Vineet Padmanabhan

Regular session 3.2.1:
Communication Systems, Antenna research and Cognitive Radio
 23 Dec 2016 @ 14:30 hrs - 17:00 hrs

Article ID	Article Details
096	Equalization of Communication Channels Using GA Trained RBF Networks Pradyumna Mohapatra, Tumbanath Samantara, Siba Panigrahi, and Santanu Nayak
111	Effect of Circular Variation in Thickness and Linear Variation in Density on Vibrational Frequencies Amit Sharma, Ashish Kumar Sharma, Ashok Kumar Raghav, and Vijay Kumar
124	Design of A Low Power ALU and Synchronous Counter Using Clock gating Technique Nehru Kandasamy, Nagarjuna Telagam, and Chinthada Devisupraja
175	N-bit Pipelined CSM Based Square Root Circuit for Binary Numbers Siba Kumar Panda, Arpita Jena, and Dhruva Charan Panda
238	Modelling of a Fibonacci Sequence 8-bit Current Steering DAC to Improve the Second Order Nonlinearities Anshuman Das Mohapatra and Manmath Narayan Sahoo
240	Design of Low Power and High Performance Network Interface for 2x2 SDM Based NoC and Implementation on Spartan 6 FPGA Y. Amar Babu, G.M.V. Prasad, and John Bedford Solomon
271	Aspects of Machine Learning in Cognitive Radio Networks Harmandeep Kaur Jhaji, Roopali Garg, and Nitin Saluja
285	FPGA Implementation of Bufferless NoC Router for SDM Based Network on Chip Amar Babu Y., G.M.V. Prasad, and John Bedford Solomon
375	A High Speed Booth Multiplier Based on Redundant Binary Algorithm Ranjan Kumar Barik, Ashish Panda, and Manoranjan Pradhan
389	Evaluation of Channel Modeling Techniques for Indoor Power Line Communication Shashidhar Kasthala and G.K.D. Prasanna Venkatesan
408	Power Analysis and Implementation of Low Power Design-for-Test Architecture for UltraSPARC Chip Multiprocessor John Solomon, Jackuline Moni, and Y. Amar Babu
437	Power Optimization for Arithmetic Components in Assistive Digital Devices Mansi Jhamb and Gitanjali Singh

445	EEG Artifact Detection Model: A Landmark Based Approach Mouneshachari S., Sanjay Pande M.B., and Raveesh B.N.
458	Design and Comparison of Electromagnetically Coupled Patch Antenna Arrays at 30GHz Sujata Mendgudle, Jinisha Bhanushali, Shreya Chakraborty, Manmohansingh Bhatia, and Sachin Umbarkar

Regular session 3.2.2:

Internet, Web Technology, IOT, Social Networks and Applications

23 Dec 2016 @ 14:30 hrs - 17:00 hrs

Article ID	Article Details
191	Natural Language Query to Formal Syntax for Querying Semantic Web Documents D. Suryanarayana, S. Mahaboob Hussain, Prathyusha Kanakam, and Sumit Gupta
303	Bat Inspired Sentiment Analysis of Twitter Data Himja Sethi and Sanjib Sahu
336	Internet of Things: A Survey on IoT Protocol Standards Karthikeyan Ponnusamy and Narendran Rajagopalan
360	Influence of Twitter on Prediction of Election Results Prabhsimran Singh and Ravinder Singh Sawhney
395	The Rise of Internet of Things (IoT) in Big Healthcare Data: Review and Open Research Issues Zainab Alansari, Safeeullah Soomro, Mohammad Riyaz Belgaum, and Shahaboddin Shamshirband
415	Implementation of SSVEP Technology to Develop Assistive Devices Manjot Kaur and Birinder Singh
528	E-Governance an Ease or Difficult to Chase in Lucknow, Uttar Pradesh Guncha Hashmi, Pooja Khanna, and Puneet Sharma
532	Domain Based Search Engine Evaluation Nidhi Bajpai and Deepak Arora