

2012 Fourth International Conference on Advanced Computing

(ICoAC 2012)

**Chennai, India
13 – 15 December 2012**



**IEEE Catalog Number: CFP1263H-PRT
ISBN: 978-1-4673-5583-4**

Paper ID	TITLE -Data Mining / Database Technology
015	Localized Matching Model for Plant Prediction Using Incremental Clustering <i>A. Meenakshi, V Mohan</i>
027	Investigation of High Utility Item set Mining in Service Oriented Computing: Deployment of Knowledge as a Service in E-Commerce <i>Kannimuthu Subramanian, K. Premalatha, Shankar S</i>
073	Constraint Frequent Motif Detection in Sequence Datasets <i>E Ramanujam, Sakkarai Padmavathi</i>
018	Missing Value Imputation Techniques Depth Survey and Clustering Imputation Algorithm Technique Analyses to Improve The Efficiency of Imputation <i>Thirukumaran S</i>
048	State of the Art Process in Query Processing Ranking System <i>Bazeer Ahamed</i>
024	RDBMS for Service Repository and Composition <i>Hassan Nagaraja Lakshmi, Hrushiksha Mohanty</i>
071	License Plate Recognition: A Review <i>Pramod Uttamrao Chavan, Amit Khandebharad, Parag Kulkarni, Dattatray Khope</i>

Paper ID	TITLE - Network Security / MANET
011	A Survey on Routing Methodologies for ICMANET <i>R Praveen; R Indira</i>
056	Enhanced Position Updation in MANET using Self Adaption <i>Reshma P R</i>
064	ESAR: An Energy Saving Ad Hoc Routing Algorithm for MANET <i>Suchismita, Chinara</i>
035	Personalized RAODV algorithm for Link break in Mobile AdHoc Networks <i>Ramasamy Senthil Kumar, P. Kamalakkannan</i>
085	A Simulation Based Study to implement Intelligent Transport Systems concepts in VANETs using AODV Routing Protocol in NS2 <i>N.Arulkumar, E. George Dharma Prakash Raj</i>
019	FASO-ECP: Fast Adaptive and Self Organized-Enhanced Clustering Protocol based routing for DTMN <i>Arun Sampaul Thomas</i>
069	Recommendation Framework for Service-Oriented Grid <i>Nagarathna N</i>
074	REAQ-AODV: Route Stability and Energy Aware QoS Routing in Mobile Ad hoc <i>Palanisamy Srinivasan</i>
059	Performance analysis of AODV, DSR, TORA and OLSR to achieve group communication in MANET <i>Rajeswari M</i>

Paper ID	TITLE - Software Engineering / Fuzzy logic
033	Using Differential Evolution in the Prediction of Software Effort''''329 <i>Thamarai I, Murugavalli S</i>
021	Mechanism for on Demand Tag-Based Software Testing in Virtualized Environments''''332 <i>Bhanu Prakash Gopularam, Yogeesh C B</i>
086	Classification of Human Age based on Neural Network Using FG-NET Aging Database and''''337 Wavelets <i>J. Nithyashri ,Dr. G. Kulanthaivel</i>
063	An Efficient Programming Rule Extraction and Detection of Violations in Software Source Code using Neural networks''''342 <i>Pravin A</i>
083	Ascertaining the More Knowledgeable Other among peers in Collaborative E-Learning ''''346 Environment <i>Safia, Mala T</i>
025	Application of Naive Bayes Dichotomizer Supported with Expected Risk and Discriminant ''''353 Functions in Clinical Decisions -Case Study <i>Anju Pratap</i>
058	Hardware Implementation of Voice Operated Robot using Support Vector Machine Classifier''''357 <i>Manikandan, J. B. Venkataramani</i>
082	Tarantula Bot-A Rescue Assist Tele Robot ''''363 <i>Sriram Balasubramanian</i>
053	Surface defect detectin and classification in mandarin fruits using fuzzy image thresholding, ''''369 binary wavelet transform and linear classifier model <i>Anandhanarayanan Kamalakannan, Govindraj Rajmanickam</i>

Paper ID	TITLE - Image Processing / Networks
012	On design and applications of digital differentiators ''''375 <i>Krishna Battula</i>
040	Region Based Reconstruction from the Axial View of the Brain for Inverse EEG Problem ''''382 <i>Arivazhagan M, N Mira</i>
013	Application of Fast Fourier Transform (FFT) in Laser Speckle Image Pattern Correlation''''388 Technique for the Metrological Measurement <i>Balamurugan, Rajamanickam</i>
061	Immersive Virtual Reality for Pain Distraction ''''392 <i>S.Sridevi</i>
065	Efficient Face Recognition with Compensation for Aging Variations ''''399 <i>Jyothi Nayak, Indiramma M</i>
093	Hyper spectral image processing to detect the soil salinity in coastal watershed ''''3: 4 <i>P. Nila Rekha, R. Gangadharan, S.M.Pillai, G.Ramanathan, A. Panigrahi</i>
095	Automata Resulting From Graph Operations ''''3: 9 <i>J. Julie1, J.Baskar Babujee</i>
002	Learning Very simple k-Equal Matrix Grammar from positive data ''''3; 5 <i>Julia Grace</i>
097	A Comparative Study of the Performance of Precoded MIMO using Trellis and STBC ''''425 <i>C.Arunachalaperumal, S.Dhilip Kumar, C.Arun</i>

Paper ID	TITLE - NLP / Artificial Intelligence / Fuzzy Logic
028	Semantic Enrichment in Ontology Mapping using Concept Similarity Computing ""429 <i>Shunmughavel Jaganathan. P</i>
032	A Novel Approach for Personalizing the Web Using User Profiling Ontologies ""437 <i>Vigneshwari S</i>
047	Improved Question Answering System by semantic reformulation ""43; <i>Shanmugasundaram Hariharan, Muthukrishnan Ramprasath, Uma Maheswari</i>
030	Finger Print based license Checking for Auto-Mobiles ""445 <i>Angeline Rubella J, Senathipathi K, Muthukumaresan Suganya, Balasundaram Kumar, Manickam Ranjithkumar, Raja Gowdham</i>
041	Vehicle Detection in Aerial Surveillance Using Morphological Shared-Pixels Neural (MSPN) ""453 <i>Bharathi T K, Yuvaraj S, Krishna S</i>
045	Design of Algorithm for Vehicle Identification by Number Plate Recognition ""45; <i>Vijayalakshmi Palanisamy</i>
066	An Artificial Intelligent Controller for a Three Phase Inverter based Solar PV System using ""467 Boost Converter <i>Vasantharaj Subramanian, Sasikumar Murugesan</i>
078	Probabilistic Neural Network Based Attack Traffic Classification ""474 <i>Akilandeswari V, Mercy Shalinie</i>
081	Wind Profile Prediction using a Meta-cognitive Fully Complex-valued Neural Network ""482 <i>Sathish E</i>
Paper ID	TITLE - Cloud Computing / Grid Computing / WSN-1
022	Efficient Multilingual Keyword Search Using Bloom Filter for Cloud Computing Applications ""488 <i>Saibal Pa, Puneet Sardana, Kamlesh Yadav</i>
054	Integration Based Large Scale Broker's Resource Management on Friendly Shopping ""495 Application in Dynamic Grid computing <i>Surendran, Parvatha Varthini</i>
062	Coordinator Based Advanced Reservation and Ranking for Cloud Resources ""49; <i>M.Lakshmi Kantham</i>
044	Non-Cooperative Power Control Game for Wireless AdHoc Networks ""4: 6 <i>Sanjay Kumar Suman</i>
036	An Extensibility of THEMIS Billing System for the Cloud Computing Environment ""4; 2 <i>Johnson Singh</i>
068	Achieving Cost Efficiency Using CaaS Model in The Cloud ""4; 8 <i>Padmavathi S, Mythili</i>
076	Mobile Agent based Security Enhancements in Ad Hoc Grid Environments ""523 <i>Jeyakumar, Kandasamy</i>
096	SVM-Instance based approach to improve QoS parameters for time critical applications in WSN ""528 <i>V P Jayachitra</i>
005	An energy-efficient and enhanced QoS-aware MAC application specific protocols in the ""534 distributed Wireless Sensor Networks <i>Nirmala S, Nallusamy R</i>

Paper ID	TITLE - Ad Hoc Networks / WSN-2
009	Light Weight Decentralized Algorithm for Localizing reactive Jammers in Wireless Sensor Networks ""538 <i>Vinothkumar G, Ramya G, Rengarajan A</i>
020	Analytical techniques to characterize and Optimize the performance of Sensor Network Systems ""543 <i>SrieVidhya Janani. E, Ganesh kumar. P</i>
050	A Constraint Based Relay Node Deployment in Heterogeneous Wireless Sensor Networks for Lifetime ""548 Maximization <i>Suganthi K, Vinayagasundaram B</i>
052	Object Monitoring by Prediction and Localisation of nodes by using Ant Colony Optimization in ""554 Sensor Networks <i>Niranchana S</i>
090	Middleware Service Oriented Earthquake Detection in Advance Using WSNs ""562 <i>Chandrakant N, Shivanand Poojar, Deepa Shenoy P, Venugopal K R</i>
091	Energy and Error Analysis of IEEE 802.15.4 Zigbee RF Transceiver under Various Fading Channels in Wireless ""56: Sensor Network <i>V. Nithya, B. Ramachandran, Vidhyacharan Bhaskar</i>
094	Corona Based Clustering with Mixed Routing and Data Aggregation to avoid Energy Hole problem in Wireless ""575 Sensor Network <i>L. Bhagyalakshmi, Sanjay Kumar Suman , K. Murugan</i>
034	An Optimized fast Vertical handover strategy for Heterogeneous Wireless Access Networks based on IEEE ""583 802.21 Media Independent handover Standard <i>Ramachandran, Tamijetchelvy</i>
055	Implementation of Gateway Relocation using Admission Control Algorithm in Mobile Wimax ""58: Networks <i>Sujatha. K</i>
Paper ID	TITLE - Computer Architecture / Network Security
003	DDDOT: Distributed Detection of DOS Attack Using Timers in Wireless Broadband Networks ""595 <i>Diana Jingle</i>
087	Data theft prevention & endpoint protection from Unauthorized USB devices ""59: <i>Saurabh Verma Abhishek Singh</i>
084	A Combinatorial Distributed Architecture for Exascale Computing ""5: 4 <i>Ganapathy Mani, Simon Y. Berkovich, Ingrid Mihai</i>
008	Advanced Biometric Atm Machine with AES 256 and steganography Implementation ""5: 9 <i>Rishigesh Muruges</i>
051	Comparative Study on Different Interference Aware Routing Metrics in WMN: a Survey ""5; 3 <i>Sangeetha K, Sivaranjani R, Anbuelaveni A, Priyadharsini</i>
006	Dynamic Handoff Decision Based on Current Traffic Level and Neighbor Information in ""5; 9 Wireless Data Networks <i>V Saravanan, A Sumathi</i>
007	Where are You? A Location Awareness System ""624 <i>Naveen Kumar</i>
079	Atmospheric Correction of Remotely Sensed Multispectral Satellite Images in Transform ""629 Domain <i>Gowri Ariputhiran, Gandhimathi Usha</i>
077	Ant Colony Optimization of Semantic Query Routing in Peer To Peer Networks ""634 <i>Arivazhagu U</i>