



International Conference on Computing, Analytics and Security Trends (CAST-2016)



19th – 21st December 2016

**Department of Computer Engineering and Information Technology
College of Engineering Pune**



Session Schedule

Session	Place	ID	Authors Name	Title
Time 3.15 pm- 5.15 pm		19th December 2016		Paper Presentations -I
Session Title T1: Data Quantifiers				
1	Academic Complex Class Room 101	127	Dhaval Vaja and Mrugendrasinh Rahevar	Improve Performance of ORM caching using In-Memory Caching
		484	Prajakta Padhye, Rashmi Deshmukh and Vijay Ghorpade	Analysis and Comparison of HUPID and FHIM Algorithm for Dynamic Databases
		479	Kunal Sharma and Vahida Attar	Generalized Big Data Test Framework for ETL Migration
		457	Amol Jumde and Narendra Chaudhari	Query Processing Techniques in Probabilistic Databases
		489	Sujeeta Shah, Santaji Shinde and Sarita Shinde	GPU Implementation of TLBO Algorithm to Test Constrained and Unconstrained Benchmark Functions
Session Title T2: Research on Security in Networks				
2	Academic Complex Class Room 102	478	Yuvaraj P and Venkata Lakshmi Narayana K	EESCA: Energy Efficient Structured Clustering Algorithm for Wireless Sensor Networks
		524	Uttara Gogate and Jagdish Bakal	Smart Healthcare Monitoring System Based on Wireless Sensor Networks
		359	Alok Prusty, Srinivas Sethi and Ajit Nayak	Test bed for Link Quality Assessment in Wireless Ad hoc Sensor Network
		107	Reena Pagare and Akhil Khare	Churn Prediction by Finding Most Influential nodes in Social Network
Session Title T3 : Research on Parallel Implementations				
3	Academic Complex Class Room 103	540	Karishma Pawar and Vahida Attar	A Survey on Data Analytic Platforms for Internet of Things
		190	Noshir Tarapore, Dinesh Kulkarni and Kamakshi Prasad	Implementation of Parallel Algorithm for Support Vector Machine applied to Intrusion Detection Systems
		353	Vikram K and Venkata Lakshmi Narayana K	Cross-layer Multi channel MAC protocol for Interference Mitigation
		503	Amar Buchade and Rajesh Ingle	Performance Analysis of Key Splitting Algorithms for Cloud Computing
Session Title T4: Research on Knowledge Mining and Learning				
4	Academic Complex Class Room 104	391	Uma Gajendragadkar and Sarang Joshi	Anatomy of Building Marathi N-Grams
		145	Rashedul Islam, Md. Rafiqul Islam and Kamrul Hasan Talukder	An Approach to Extract Text Regions From Scene Image
		475	Savitri Chandure and Vandana Inamdar	Performance Analysis of Handwritten Devnagari and Modi Character Recognition System
		496	Deepak Vidhate and Parag Kulkarni	Enhanced Cooperative Multi-agent Learning Algorithms (ECMLA) using Reinforcement Learning
		375	Sheetal Sonawane and Parag Kulkarni	The Role of Coreference Resolution in Extractive Summarisation
Session Title T5: Research on Signal and Image Processing				
5	Academic Complex Class Room 201	565	Swati Patil and Vandana Inamdar	Multipath Mitigation in Time of Flight 3D Sensor based on Direct and Global Separation Technique
		403	Santhosh Kumar V and Hanumantha Rao T.V.K	Resampling Schemes for Rao-Blackwellization Particle Filters
		467	Rashmika Patole, Priti Rege and Pravin Suryawanshi	Acoustic Environment Identification using Blind De-reverberation

Session Title T2: Cyber Security				
6	Academic Complex Class Room 202	112	Stijn van Schooten, Pieter D32van der Veecken, Rhythima Shinde, Mirko Dunnewind and Jan Van Den Berg	Applying Bayesian Game Theory to Analyse Cyber Risks of Bank Transaction Systems
		113	Rhythima Shinde, Pieter van der Veecken, Stijn van Schooten and Jan Van Den Berg	Ransomware: Studying Transfer and Mitigation
		128	Shubhangi Pawar and Sandeep Thorat	Detecting Suspicious Activities using Agent Based Monitoring System
		231	Prachi Joshi, Dhaval Ved, Chani Jindal, Mukti Chowkwale, Rohan Shethia and Sohail Shaikh	Protego: A Passive Intrusion Detection System for Android Smartphones
		419	Awatef Balobaid, Wedad Alawad and Hanan Aljasim	A Study on the Impacts of DoS and DDoS Attacks on Cloud and Mitigation Techniques
		335	Ankush Pawar and Shashikant Ghumbre	A Survey On IoT Applications, Security Challenges And Countermeasures
Session Title T5: Embedded Systems				
7	Academic Complex Class Room 203	60	Smita Bhavsar and A.N. Kulkarni	Train Collision Avoidance System by Using RFID
		213	Siddhant Chouksey and Sumedha Sirsikar	A Prototype of Low Cost Heads Up Display for Automobiles Navigation System
		408	Gouri Morankar and Sanjay Badjate	Globally Asynchronous Locally Synchronous (GALS) Pipelined Signed Multiplier
		448	Ashwini Singh, Sakshi Meshram, Tanvi Gujar and Pravin Wankhede	Baggage Tracing and Handling System using RFID and IoT for Airports
		354	Shameedha Begum, Arun Krishnakumar, Amit D. Joshi and N Ramasubramanian	Design of a Reconfigurable Embedded Data Cache
Session Title T2: Security Attack Detection				
8	Academic Complex Class Room 204	21	Snehal Pawar	Extended Capabilities of Feature-Extraction for Digital Image Sharing by Diverse Image Media
		297	Nilambari Narkar and Narendra Shekoker	A Rule Based Intrusion Detection System to Identify Vindictive Web Spider
		233	Dhanush M, Ashish Jain, Moulyashree S.C, Aaneesh Melkot and Manjula A.V	ECG based authentication using Autocorrelation and Artificial Neural Networks
		316	Tanushree Shelare and Varsha Powar	Steganography using B+trees and LSB
		463	Sumita Nainan and Vaishali Kulkarni	A Comparison of Performance Evaluation of ASR for Noisy and Enhanced signal using GMM
Time 11.15 am- 1.15 pm 20th December 2016 Paper Presentations -II				
Session Title T2: Security in Ad-hoc Networks				
9	Academic Complex class room 101	132	Rohit Chopade and Sandeep Thorat	Analyzing MANET Uncertainty with Probability and Possibility Theory
		133	Nachiket Kshatriya, Krishna Mallawat and Aparna Santra	Security in MANET using Detection Engine
		195	Suwarna Latambale and Sumedha Sirsikar	Sink Mobility Based Energy Efficient Algorithm for Improve the Network Lifetime
		228	Sneha Kanchan and Narendra Chaudhari	Integrating Group Signature scheme with Non-transitive Proxy Re-encryption in VANET
		515	Milind Penurkar and Umesh Deshpande	Priority-based Scheduling Policy For a Hybrid Routing Algorithm in a Vehicular Delay Tolerant Network
		542	Sudhir Bagade and Rasika Mali	Detection of Misbehaving Node using Secure Acknowledgment in MANET
Session Title T4: Fuzy Logic, Neural Network and Sentiment Analysis				
10	Academic Complex class room 102	91	Rohan More, Abhishek Mugal, Sheetal Rajgure, Rahul Adhao and Vinod Pachghare	Road Traffic Prediction and Congestion Control using Artificial Neural Networks
		167	Vignesh Iyer, Rashmi Jadhav, Unnati Mavchi and Jibi Abraham	Intelligent Traffic Signal Synchronization Using Fuzzy Logic and Q-Learning

10	Academic Complex class room 102	264	Darshit Doshi, Deep Sidhpura, Aniket Shenoy and Prachi Gharpure	Diabetic Retinopathy Detection using Deep Convolutional Neural Networks
		322	Lokesh Bhajantri and Ashok Sutagundar	Fuzzy Logic Based Cluster Head Selection and Data processing in Distributed Sensor Networks
		379	Chaitali Chandankhede	ISAR: Implicit Sentiment Analysis of User Reviews
		416	Kaushik Pasi and Sowmiya Raksha Naik	Effect of Parameter Variations on Accuracy of Convolutional Neural Network
Session Title T2: Security in Cloud Systems				
11	Academic Complex class room 103	117	Tejashree Phatak and Sudhir Sawarkar	Enhancing QoS Of Wireless Sensor Network by Detection Of Faulty Sensor Node
		221	Anita Chavan, Simran Khiani and C G Dethe	Technique for Securely Energy Aware Routing In WSN
		342	Kalyani Ghutugadde and G. A Patil	Privacy Preserving Auditing for Shared Data in Cloud
		440	Ankush Kalbandhe, Shailaja Patil and Amrita Janardhanan	Indoor Location based Service using Bluetooth Low Energy
		200	Purwa Gaikwad, Aarti Kasliwal, Tejaswi Kale, Snehkumar Shahani and	Privacy Preserving Vehicular Trajectory Prediction
Session Title T5: Enhancing Performance				
12	Academic Complex class room 104	223	Rupesh Jagtap and Madhuri Potey	Human Activity Monitoring using Incremental SVM in Health Care Domain
		512	Deepika Shukla and Apurva Desai	Recognition of Fruits Using Hybrid Features and Machine Learning
		572	Sunil B. Mane and Sharan Vhanale	Real Time Obstacle Detection For Mobile Robot Navigation Using Stereo Vision
		545	Rahul Kodag, Mukesh Patil and Chandrakant Gaikwad	Harmonic Product Spectrum Based Approach For Tonic Extraction In Indian Music
		371	Laxmi Shaw, Aurobinda Routray and Subhrajit Moharana	Inferring Functional Brain Connectivity Estimation in Continuous and Missing Sample in Meditation State-allied Scalp EEG
		392	Anuja Bhagwat and Ajay Paithane	Human disposition detection using EEG signals
		369	Riah Sathe, Shraddha Mense, Shashwat Pradhan, Ankita Netraganti and Jagannath Aghav	Method for Data Analytics on Large Data Sets of Images
Session Title T5: Research on Signal Processing				
13	Academic Complex class room 201	110	Vibha Tiwari, Prashant Bansod and Abhay Kumar	Analysis of US Multi-Frame Video Streaming Over LTE Network
		105	Prasad Nizampatnam and Kishore Kumar Tappeta	Speech Bandwidth Extension Using Magnitude Spectrum Data Hiding
		109	Venkata Ravi Teja Kallepalli, Santhosh Kumar P, Surya Prasad Potnuru and Shanmukha Rao Narsupalli	A New Cascading Algorithm for Denoising Images Corrupted by High Density Noise
Session Title T2: Research on Security Schemes				
14	Academic Complex class room 202	284	Santoshi Pote, B.K Lande and Virendra Sule	One Variable Polynomial Division Approach for Elliptic Curve Arithmetic Over Prime Fields
		418	Aarti Agarkar and Himanshu Agrawal	R-LWE based Lightweight Privacy Preserving Scheme for Smart Grid
		453	Pallavi Ahire and Jibi Abraham	Addition of Fake Variable to Enrich Secure Linear Programming Computation Outsourcing in the Cloud
		182	Balu Parne, Shubham Gupta and Narendra Chaudhari	Efficient and Secure Modified Cocktail-AKA Protocol for UMTS Network
		554	Shilpa Deshpande and Rajesh Ingle	Trust Assessment in Cloud Environment: Taxonomy and Analysis
Session Title T5: Research on Secure Robust System				
15	Academic Complex class room 203	78	Shveti Sejjal and Nikesh Shah	A Novel Multiple Objective Optimized Dual Watermarking Scheme Based On DWT-SVD Using Firefly Algorithm
		476	Vaibhav B Joshi, Mehul Raval, Dhruv Gupta and Priti Rege	An Invertible Fuzzy Scheme for Securing a Fragile Watermark
		516	Prashant Karad, Shalaka Chaphekar and Anjali Dharme.	Optimal Penetration Ratio for a Radial feeder with a Microgrid
		410	K.K.Soundra Pandian and K C Ray	FPGA Implementation of Hash Key Based Stream Cipher Using NFSR and its Security Aspects

Session Title T1: Recommendation Systems				
16	Academic Complex class room 204	186	Nishant Borude, Chandrakant Maher, Vishal Sarada and Aparna Santra	Generic Binary Classifier Tool For Diagnosis of Patients Suffering From Brain Disorders in R
		218	Sahil Gandhi, Tejash Desai, Pranav Murlidhar, Sankalp Gupta, Vijayalakshmi M and Girish Bhole	An Enterprise Friendly Book Recommendation System for Very Sparse Data
		543	Swagata Paul, Nabanita Das and Bidyut Biman Sarkar	Big Data Infrastructure: Storage Considerations
		242	Sree Lakshmi Adepu, Balraju M and Subhash Chandra Nalla	Towards Optimization of Hadoop Mapreduce Jobs on Cloud
		417	Kanchan Patil	Retail Adoption of Internet of Things: Applying TAM model.
		46	Santanu Koley	Big Data Architecture with Mobile Cloud in CDroid Operating System for Storing Huge Data
Time 9 am- 11 am		21st December 2016		Paper Presentations -III
Session Title T2 : Efficeint Security Algorithms				
17	Academic Complex class room 101	205	Jueeli Dangur and Mrs. Sangita Jaybhaye	Framework for Secure Data Sharing in Dynamic Group using Public Cloud
		163	Priti Golar and Dattatrya Adane	Critical Analysis of 2-Dimensional Graphical Authentication Systems
		468	Varsha Hawanna	Risk Assessment of X.509 Certificate by Evaluating Certification Practice Statements
		413	Vaibhav Rekhate, Nikhil Sambhus, Ankush Tale and Amit Joshi	Secure and Efficient Message Passing in Distributed Systems using One-Time Pad
		94	Anuja Golechha, Snehal Karanje and Jibi Abraham	Comparative Study of Multicasting Protocols Based on Average End-to-End Delay
		437	Swapnali More and Sangita Chaudhari	Secure and Efficient Public Auditing scheme for Cloud Storage
Session Title T4: Feature Extraction and Selection				
18	Academic Complex class room 102	50	Debabrata Kar, Ajit Kumar Sahoo, Khushboo Agarwal, Suvasini Panigrahi and Madhabananda Das	Learning to Detect SQLIA Using Node Centrality with Feature Selection
		122	Tiji K Thomas and Sudeep K S	An Improved PageRank Algorithm to Handle Polysemous Queries
		256	Parshu Ram Dhungyel and Janis Grund	Dzongkha Words Segmentation Using N-Gram Technique
		435	Priyanka Wani and Sakshi Paithane	Automatic Speech Recognition of Isolated Words in Hindi Language using MFCC
		57	Priyadarshan Dhabe, Prashant Vyas, Devrat Ganeriwal and Aditya Pathak	Pattern Classification Using Updated Fuzzy Hyper-Line Segment Neural Network and it's GPU Parallel Implementation for Large Dataset Using CUDA
Session Title T2: Secure Algorithms				
19	Academic Complex class room 103	239	Shreyank N Gowda	Advanced Dual Layered Encryption for Block Based Approach to Image Steganography
		141	Ashwini Udmale.	Efficient Block wise Data Hiding for Securely Digital Image Sharing by Diverse Image Media
		372	Satyanarayana Vollala, Shameedha Begum, Amit D. Joshi and N Ramasubramanian.	High-Radix Modular Exponentiation for Hardware Implementation of Public-Key Cryptography.
		445	Mandar Jadhav and Kiran Joshi	Forensic Investigation Procedure for Data Acquisition and Analysis of Firefox OS based Mobile Devices
Session Title T5: Transformation for Image Processing				
20	Academic Complex class room 104	175	Rakesh Gohane, Mayank Mittal	Comparison of Various Centroiding Algorithms to Determine the Centroids of Circular Marks in Images
		331	Pranav Kumar, S L Happy and Aurobinda Routray	A Real-time Robust Facial Expression Recognition System using HOG Features
		451	Amrita Joshi and Bhagawat Jadhav	Monitoring and Controlling Rice Diseases Using Image Processing Techniques
		507	Ramsha Firdous, Swapnil Aherrao, Vivek Borkar and Bharati Narute	Fault Detection and Analysis of Kapton Film in Fuel Cells Using Image Processing

20	Academic Complex class room 104	537	Gayatri Jabshetti, Maheshwari Biradar and Kishor Bhangale	Object Detection Using Regionlet Transform
		422	Mahavir Dhoka and Jitendra Kadam	Dynamic Image Zero Watermarking Using Weber Local Descriptor And Contourlet Transform
		439	Prachi Shete and Nagaraj Dharwadkar	Development of Visibility and Color Infallibility of Underwater Images
Session Title T4: Text Mining				
21	Academic Complex class room 201	155	Mayuri Shinde and Sheetal Girase	Identification of Topic-Specific Opinion Leader Using SPEAR Algorithm in Online Knowledge Communities
		349	Ansu Francis and K A Abdul Nazeer	Literature Search Tool for the Extraction of Disease-Associated Genes using Frequent Itemset Mining
		358	Gopi Sanghani and Ketan Kotecha	Personalized Spam filtering using Incremental Training of Support Vector Machine
		395	Aradhana Patil and Amrita Manjrekar	An Innovative approach to Classify and Retrieve Text Documents Using Feature Extraction and Hierarchical Clustering Based on Ontology.
Session Title T6: Green Computing				
22	Academic Complex class room 202	69	A.S.R Lohith and B Krishna Naick	PEMFC Connected in Standalone Mode with Five Level Inverter
		199	Samruddhi Kulkarni and Sudhir Agashe	Study of Intelligent Evacuation Systems of High-Rise Buildings in India-A Review
		446	Nikunj Bhimsaria and Nitin Chaturvedi	Design Of Non-Volatile Asynchronous Circuit Using CMOS-FDSOL/FinFET Technologies
Session Title T4: Pattern Discovery and Learning				
23	Academic Complex class room 203	481	Sonu Pratap Singh Gurjar and Syam Kumar Pasupuleti	A Privacy-Preserving Multi-keyword Ranked Search Scheme over Encrypted Cloud Data using MIR-tree
		430	Mallikarjun Hangarage, Veershetty Chitaguppa, Rajmohan Pardeshi, B V Dhandra Dhandra and Somnath Biradar	A System for Word Retrieval from Kannada Documents
		67	Pooja Gopi, Mohanasundari Ramalingam, Anand Kumar Maruthaperumal, Sayooj Panakkal, Jayashri Murugan and Chamundeswari Arumugam	Weighted Particle Swarm Optimization Algorithm for Test Data Generation
		31	Rupali Gangarde	Pattern Co-occurrence Matrix to Reduce the Low Frequency Problem and Effective Pattern Discovery
		116	Priya Ganguly and Prachi Joshi	IPPTGen-Intelligent PPT Generator
Session Title T3: Cloud Based Solution				
24	Academic Complex class room 204	237	Reshma Fegade and Rajesh Bharati	Recovery and Inline Deduplication for Cloud Backup Storage
		470	Manisha Shetty and Sowmiyaksha Naik	Ontology Representation of Amazon S3 Objects for Metadata Enrichment
24	Academic Complex class room 204	490	Rajdeep Dua, Vaibhav Kohli, Sriram Patil and Swapnil Patil	Performance Analysis of Various File Systems with Docker
		219	Jaya Suradkar and Rajesh Bharati	An Effective Computation Offloading in Pervasive Devices to Coprocessors and Cloud
		523	Arumugam Chamundeswari and Baskaran Kaliamourthy.	Global Software Development: A Design to Measure Risk of Global Practitioners
		559	Ramzi Debab and Wk Hidouci.	Towards a More Reliable and Robust Cloud Meta-Operating System Based on Heterogeneous Kernels

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