

Programme Schedule ICoAC 2017

Thursday, 14th December, 2017

Time	Thursday, 14 th December, 2017		
08.30am - 09.00am	Conference Registration, CB Block, Department of Computer Technology		
09.00am - 10.30am	Keynote Address on “New Frontiers in Cloud Computing for Big Data and Internet-of-Things (IoT) Applications” Dr. Rajkumar Buyya , <i>Professor, Computing and Information Systems, University of Melbourne, Australia</i>		
10.30am - 11.00am	TEA BREAK		
Session 1 Conference Hall CB Block 11.00am - 01.00pm	Oral Paper Presentations on Cloud Computing and Social Engineering Session Chairs Dr. Dhananjay Kumar, Dr. Y. Nancy Jane Session Coordinator Mr. K. Murugan Hall Management Mr. S. Gowrishankar		
	S.No	ID	TITLE
	1	290	Enhanced Holter Monitoring in Adaptive Environment with HIVEing <i>Chandra Priya J and Perinba Jothi T</i>
	2	197	Load Balancing in Cloud Environment using Stackelberg’s approach <i>Vinayagasundaram B and Swathy R</i>
	3	121	#BiggBoss - Twitter Driven Temporal Peak Recognition in Long Run Events <i>Karthika S, Parvathi A. V and Bose S</i>
	4	242	A Social Network Analysis of Football - Evaluating Player and Team Performance <i>Balasubramaniam Srinivasan</i>
	5	172	Federated Cloud Services using Virtual API Proxy Layer in a Distributed Cloud Environment <i>Shreyas M M</i>
	6	163	An Efficient Ciphertext Policy-Attribute Based Encryption for Big Data Access Control in Cloud Computing <i>P. Praveen Kumar, P. Syam Kumar and P.J.A. Alphonse</i>
	7	263	An Comparative Study on Attribute Based Encryption Schemes for Secure Cloud Data Outsourcing <i>Thangavel M, Varalakshmi P and Abinaya C</i>
	8	175	Gender Classification of Blog Authors: With Feature Engineering and Deep Learning using LSTM Networks <i>Vijay Prakash Dwivedi, Saurav Jha, Deepak Kumar Singh and Ranvijay</i>
	9	159	Finding Instantaneous Community of Ideologically Similar Users in Social Forums <i>Jitendra Kumar, Kumari Roshni VS</i>
	10	179	Task Scheduling in Big Data - Review, Research Challenges, and Prospects <i>Kannan Govindarajan, Supun Kamburugamuve, Pulasthi Wickramasinghe, Vibhatha Abeykoon and Geoffrey Fox</i>
	11	115	A Combinatorial Optimization Algorithm for Load Balancing in Cloud Infrastructure <i>Kannan Govindarajan and Thamarai Selvi Somasundaram</i>
	12	83	LVC MOS based Green Data Flip Flop Design on FPGA <i>Amanpreet Kaur, Gunjan Gupta and Bishwajeet Pandey</i>
01.00pm - 02.00pm	LUNCH BREAK		
02.00pm - 03.15pm	Keynote Address on “Challenges in Stochastic Modeling for Telecommunication Systems” Dr. S. Dharmaraja , <i>Professor, Department of Mathematics, IIT Delhi</i>		
03.15pm - 03.30pm	TEA BREAK		
Session 2 Conference Hall CB Block 03.30pm - 05.15pm	Oral Paper Presentations on Network Engineering Session Chairs Dr. R. Kathirolu, Dr. D. Sangeetha Session Coordinator Dr. Fouzul Hidayat Hall Management Ms. M. Kavitha		
	S.No	ID	TITLE
	1	271	An Enhanced Ant Colony Optimization Algorithm for Vehicle Routing Problem with Time Windows <i>Ashima Gupta and Sanjay Saini</i>
	2	237	Top-N Recommendation using Bi-Level Collaborative Filtering <i>Suman Banerjee, Pratik Banjare, Mamata Jenamani and Dilip Kumar Pratihar</i>
	3	334	Wavelength assignment and adaptive shortest path algorithm in cognitive radio networks using ant colony optimization <i>D Arivudainambi and S Mangairkarasi</i>
	4	292	Detection of Control Layer DDoS Attack using Entropy Metrics in SDN: An Empirical Investigation <i>Kshira Sagar Sahoo, Manikanta Vankayala, Bibhudatta Sahoo, and Ratnakar Dash</i>
	5	64	Track Health Care using Location Based QoS Web Service Recommendation System <i>Justin Dhas Y and Jeyanthi P</i>
	6	368	Link Failure Detection and Alternate Path Tracing in OpenFlow Based Ethernet Networks <i>Muthumanikandan Vanamoorthy, Valliyammai Chinnaiyah and Harish Sekar</i>
	7	294	An Anomaly Behavior based Detection and Prevention of DoS Attack in IoT Environment <i>Santhosh Kumar S and Kulothungan K</i>
	8	89	Blind Interference Alignment Simulation over Rayleigh fading channel <i>Vepuri Prasanna Vani</i>
	9	375	Congestion Control in 6LoWPAN Networks using Fuzzy Logic (FLCC) <i>Rajesh G, Swetha Chandrasekar, Priyanka Radhakrishnan and Vaishnavi Ramamurthy</i>
10	326	ARRDA: Adaptive Reliable Routing for QoS based Data Aggregation in Wireless Sensor Networks <i>Gomathy Prathima E, Venugopal K R, Sundaraja Sitharama Iyengar and Lalit Mohan Patnaik</i>	

Time		Friday, 15 th December, 2017	
08.30am - 09.00am	Conference Registration, CB Block, Department of Computer Technology		
09.00am - 10.30am	Keynote Address on “Machine Vision System for Industrial Applications” Dr. A. Gopal , Chief Scientist & Scientist-in-charge, CSIR-CEERI, Chennai		
10.30am - 11.00am	TEA BREAK		
Session 3 Conference Hall CB Block 11.00am - 01.00pm	Oral Paper Presentations on Learning Analytics and Databases Session Chairs Dr. M.R. Sumalatha , Dr. P.Varalakshmi Session Coordinator Dr. O. S. Gnanaprakasi Hall Management Ms. R. Vanaja		
	S.No	ID	TITLE
	1	328	A Multi-objective approach for DG and Capacitor placement using Harmony Search Algorithm <i>Venkatesh Kona and Dr. Ravindra Kollu</i>
	2	181	Blood pressure prediction based on Pattern Classification <i>Yue Zhang and Feng Zhimeng</i>
	3	152	Multi-Agent based Artificial War <i>Ajitha Santhakumari, Ananya Data and Suresh Kumar T.V</i>
	4	355	Performance Analysis of Classification Approaches for the Prediction of Type II Diabetes <i>Durgadevi Mullaivanan, R.Kalpna</i>
	5	145	Computer Assisted System for Predicting Human Behavior using Time Delay Neural Networks <i>Nancy Jane Y</i>
	6	354	Distributed and Parallel Processing of Location based spatial query with Approximate Transformation <i>Priya M and.Kalpna R</i>
	7	366	Feature Constrained Parallel Data Processing Approach for Spatiotemporal Event Detection <i>Bhuvaneshwari A, Valliyammai C and Devakunchari R</i>
	8	35	A Comparative Study of Machine Learning Methods for Generation of Digital Forensic Validated Data <i>Nandan Kumar, Pankaj Keserwani and Shefalika Samaddar</i>
	9	9	A Framework for Quality Enhancement of Multispectral Remote Sensing Images <i>Shilpa Suresh, Devikalyan Das and Shyam Lal</i>
Session 3A Vision Intelligence Lab CB Block 11.00am - 01.00pm	Oral Paper Presentations on Network Security / MANET Session Chairs Dr. B. Lydia Elizabeth, Dr. S. Umamaheswari Session Coordinator Mr. T. Sudhakar Hall Management Ms. K. S. Ezhilaisai		
	S.No	ID	TITLE
	1	57	Application of NLTK for Voice Based Sentiment Analysis <i>Pankaj Keserwani, Ashish Mishra and Shefalika Ghosh Samaddar</i>
	2	69	Extracting the features of Medicinal Plants and improving the accuracy of classification using Fuzzy Local Binary Pattern Approach <i>M Srinivas</i>
	3	107	Comparison of Machine Learning Algorithms- Opinion Mining for Social Network Data <i>Parkavi R</i>
	4	149	A Survey of Deep Learning Models towards Semantic Segmentation <i>Arunekumar Balasubramanian and Suresh Joseph</i>
	5	289	A Review of Hierarchical Fuzzy Text Clustering <i>Seema Wazarkar, Bettahally Keshavanurthy and Amrita Manjrekar</i>
	6	319	Fuzzy Knowledge Inferred Edge Directed Image Enhancement Technique <i>Reshmalakshmi Chandrasekharan and Sasikumar Madhavan Nair</i>
7	362	Design of Automated Data Extraction System for Medical Web Forums using Semantic Analysis <i>Umamageswari Kumaresan and Kalpana Ramanujam</i>	
01.00pm - 02.00pm	LUNCH BREAK		
02.00pm - 03.15pm	Keynote Address on “ Applications of Graph Theory in Image Processing “ Dr. V. Masilamani , IIITDM, Chennai		
03.15pm - 03.30pm	TEA BREAK		
Session 4 Conference Hall CB Block 03.30pm - 05.15pm	Oral Paper Presentations on Smart Computing Session Chairs Dr. P.T.V. Bhuvaneshwari, Dr. K. Kamalanand Session Coordinator Ms. J. Chandra Priya Hall Management Ms. S. Arpana		
	S.No	ID	TITLE
	1	184	Fixed head Short-term Hydrothermal Scheduling using Whale Optimization algorithm considering the Uncertainty of Solar Power <i>Sujoy Das, Aniruddha Bhattacharya and Ajoy Kumar Chakraborty, Vibhav Pandey</i>
	2	4	Building and Tree Detection by Fusing LiDAR and Aerial Images for Urban Development Planning <i>Pavan Malbhage and Suchitra Khoje</i>
3	162	An SLA Design with Digital Forensic Capabilities <i>Pankaj Keserwani and Shefalika Ghosh Samaddar</i>	

	4	254	Intuitionistic Fuzzy Id3: An Approach to E-Transactional Fraud Detection <i>Sikdar Md Sultan Askari and Md Anwar Hussain</i>
	5	223	Behaviour Profiling of reactions in Facebook posts for Anomaly Detection <i>Savyan P V and Mary Saira Bhanu S</i>
	6	217	Adaptive Neuro-Fuzzy Inference System for Assessing the Maintainability of the Software <i>Therasa P.R and Vivekanandan P</i>
	7	51	Top-k Similar Access Behaviour based on Structural Equivalence <i>T Ramalingeswara Rao, Pabitra Mitra and A Goswami</i>
	8	374	Performance Evaluation of Classifiers for Analysis of Road Accidents <i>Sugetha C, Karunya L, Prabhavathi E and Kola Sujatha P</i>
	9	372	Detection of Vulnerabilities Caused by WebView Exploitation in Smartphone <i>Fouzul Hidayah S. and Angelina Geetha</i>
Session 4A Vision Intelligence Lab CB Block 03.30pm - 05.15pm	Oral Paper Presentations on Image Processing / Networks		
	Session Chairs Dr. S. Muthurajkumar, Dr. J. Dhalia Sweetlin		
	Session Coordinator Ms. Cinu C. Kiliroor		
	Hall Management Mr. S. Gowrishankar		
	S.No	ID	TITLE
	1	148	Sensitive Data Protection in Cloud-Based on Modified Elliptic Curve Cryptographic Technique <i>Sumathi Muruganandam and Sangeetha S</i>
	2	171	An Analysis of Multifarious Character Recognition <i>M Sornam and M Poornima Devi</i>
	3	211	A Novel Approach to Optimized Hybrid Item-based Collaborative Filtering Recommendation Model using R <i>Abhaya Kumar Sahoo and Chittaranjan Pradhan</i>
	4	204	LangTool: Identification of Indian Languages for Short Text <i>Sreebha Bhaskaran, Geetika Paul, Deepa Gupta and Amudha J</i>
5	214	Urban Slum Extraction using Gcm Based Statistical Approaches from Very High Resolution Satellite Data <i>Prabhu R, Umasree S, Alagu Raja R.A. and Avudaiammal R</i>	
6	243	Analysis and Estimation of Brain Tissue Atrophy using Magnetic Resonance Images <i>N Ahana Priyanka and G Kavitha</i>	
7	246	A Multifamily Android Malware Detection using Deep Autoencoder Based Feature Extraction <i>Teenu S John, Tony Thomas and Md. Meraj Uddin</i>	
Time	Saturday, 16th December, 2017		
08.30am - 09.00am	Conference Registration, CB Block, Department of Computer Technology		
09.00am - 10.30am	Keynote Address on “Waveforms for Next Generation Wireless Communication Systems” Dr. Suvra Sekhar Das, Associate Professor, G S Sanyal School of Telecommunications, IIT Kharagpur		
10.30am - 11.00am	TEA BREAK		
Session 5 Conference Hall CB Block 11.00am - 01.00pm	Oral Paper Presentations on Future Generation Networks		
	Session Chairs Dr. B. Vinayagasundaram, Dr. P. Pabitha		
	Session Coordinator Mr. R. Nandhakumar		
	Hall Management Ms. M. Kavitha		
	S.No	ID	TITLE
	1	178	A Novel Gamification Approach to Recommendation Based Mobile Applications <i>Neeraj S, Oswald C and Sivaselvan B</i>
	2	306	Enhanced Negative Selection Algorithm for Malicious Node Detection in MANET <i>Kathiroli Raja and Indira Natarajan</i>
	3	318	A Lightweight Incognito Key Exchange Mechanism for LTE-A Assisted D2D Communication\ <i>Sheeba Backia Mary Baskaran and Gunasekaran Raja</i>
	4	142	Path Planning for Mobile Sink in Wireless Sensor Networks <i>Mayur Shrirame and S Mini</i>
	5	228	Intrusion Resilient Concealed Data Aggregation in Wireless Sensor Networks <i>Maivizhi Radhakrishnan and Yogesh Palanichamy</i>
6	151	NLMS/F Based Adaptive Beam former for Indoor Wireless Channel <i>Basabadatta Mohanty, Harish Kumar Sahoo and Bijayananda Patnaik</i>	
7	177	Pyramidal-Based Connected Dominating Set for Tactical and Energy Harvest Networks <i>Ceronmani Sharmila and George Amalanathan</i>	
8	244	Adaptive Joint Call Admission Control Scheme for Heterogeneous Wireless Networks <i>Anupam Gautam and Selvamuthu Dharmaraja</i>	
9	377	Access Log Anomaly Detection <i>Ma. Tharshini, M. Ragavinodini and Radha Senthil Kumar</i>	
Session 5A Vision Intelligence Lab CB Block 11.00am - 01.00pm	Oral Paper Presentations on Cloud Computing / Grid Computing / WSN-1		
	Session Chairs Dr. C. Valliyammai, Dr. P. Kola Sujatha		
	Session Coordinator Ms. A. Bhuvaneswari		
Hall Management Ms. R. Vanaja			
S.No	ID	TITLE	
1	106	Energy Efficient MAC Protocol for Body Centric Nano-Networks (BANNET) <i>Sivapriya S and Sridharan D</i>	

	2	250	Anomaly Based Intrusion Detection System using Classifiers <i>Aarthi M and Narasimamallikarjunan K</i>
	3	282	Dynamic Queue spaces based on Congestion Avoidance and Load Sharing among the nodes for Optimized Channel Aware Routing in MANET <i>R.Sundar Dass.,A.Kathirvel Ayyaswamy and S.Narayanan Sakthi</i>
	4	321	IoT-Based Charging Station for Electric Vehicles <i>Chellaswamy C, Archana V, Arunraj J and Bhagirathi S</i>
	5	358	Automated Trust Evaluation Mechanism for Future Generation Internet <i>Umamaheswari S and Arun Fera M</i>
	6	77	A new Heuristic Similarity Model to improve the accuracy for data sparsity issues in Collaborative Filtering Recommendation Algorithms <i>Mohana H and Suriakala M</i>
	7	279	Reliability Aware Self-Test Schedule for Aging Systems <i>Harini Sriraman and Pattabiraman Venkatasubbu</i>
01.00pm - 02.00pm	LUNCH BREAK		
02.00pm - 03.15pm	Keynote Address on “Think Like a Vertex” Dr. John Ebenezer Augustine , Associate Professor, Department of Computer Science, IIT Madras		
Session 6 Conference Hall CB Block 03.15pm - 05.15pm	Oral Paper Presentations on Image processing and Applications Session Chairs Dr. P. Jayashree, Dr. G. Rajesh Session Coordinator Mr. V. Muthumanikandan Hall Management Ms. K. S. Ezhilisai		
	S.No	ID	TITLE
	1	109	Accelerated Digitally Reconstructed Radiograph generation scheme for 2D to 3D Image Registration of Vertebrae based on Sparse Sampling and Multi-Resolution <i>Vidya Bhat, Shyamasunder Bhat N. and Anitha H</i>
	2	195	Colon Cancer Detection in Biopsy Images for Indian Population at Different Magnification Factors using Texture Features <i>Tina Babu, Tripty Singh, Deepa Gupta and Shahin Hameed</i>
	3	221	Recursively seeded Image Encryption Algorithm <i>Vidhya Ramamoorthy and Brindha Murugan</i>
	4	155	Simulation Study on Tokamak Relevant Visual Servoing System <i>Pramit Dutta, Amit Kumar Srivastava, Naveen Rastogi and Krishan Kumar Gotewal</i>
	5	185	Modified Level Cut Liver Segmentation from CT <i>Rekha R Nair, Tripty Singh, Ravi Nayar and Shiv Kumar</i>
	6	327	Double Density Wavelet with Fast Bilateral Filter Based Image Denoising for WMSN <i>Rekha Haridoss and Samundiswary Punniakodi</i>
	7	58	Machine Intelligence Prospective for Large Scale Video based Visual Activities Analysis <i>Naresh Kumar</i>
	8	169	Suitability Analysis of Fractal Compression Technique for Medical Images <i>Panjavarnam B and P.T.V. Bhuvanewari Mohan</i>
	9	146	An Amalgam Approach to Detect Edges using Ultrametric Contour Map in Natural Scene Images <i>Soma Debnath and Suvamoy Changder</i>
	10	167	A Survey on Image Classification and Activity Recognition using Deep Convolutional Neural Network Architecture <i>M Sornam, Muthusubash Kavitha and V Vanitha</i>
	Session 6A Vision Intelligence Lab CB Block 03.15pm - 05.15pm	Oral Paper Presentations on Computer Architecture / Network Security Session Chairs Dr. S. Neelavathy Pari, Dr. V. P. Jayachitra Session Coordinator Mr. P. Ramesh Hall Management Ms. S. Arpana	
S.No		ID	TITLE
1		5	Monitoring as a Service (MaaS) and its usage in Containers across Multicloud <i>Baskaran Jambunathan and Kalpana Yoganathan</i>
2		6	Big Biomedical Data Engineering <i>Ripon Patgiri, Sabuzima Nayak and Samir Kumar Borgohain</i>
3		84	Convergent Scheduling with EDF and BackFill Algorithm to improve the Performance of the Grid Scheduler <i>Kalyani Vaidyanathan</i>
4		324	Impact of performance analysis of varied subjects on overall result: An empirical discourse of educational data mining <i>Mudasir Bhat, Majid Baba and Muheet Butt</i>
5		225	Optimized Feature Selection in Dimensionality Reduction for Big data with Random Forest Algorithm <i>Vinayagasundaram B, Swathy R, Roshini C, Sarshini D and Senthil kumar G</i>
6	80	Design and Development of a System for The Impact Analysis of Internet usage among Engineering Students <i>Rajalaxmi R.R., Natesan P, Krishnamoorthy N and Ponni S</i>	
05.30pm	High Tea		

Convener, ICoAC 2017