

Programme Schedule - ICoAC 2019

18 - 20 December 2019

Time	Wednesday, 18 th December 2019		
08.30am - 09.30am	Conference Registration, CB Block, Department of Computer Technology		
09.30am - 10.30am	Inauguration - ICoAC 2019		
10.45am - 11.30am	Keynote Address “Parallel Programming - Essential or Evil?” Dr. V. Krishna Nandivada, IIT Madras, Chennai		
Session 1 Conference Hall CB Block 11.30am - 01.00pm	Oral Paper Presentations on Cloud Computing		
	S.No.	ID	TITLE
	1	67	Cloud based Text extraction using Google Cloud Vision for Visually Impaired applications <i>Vaithyanathan Dhandapani and Manigandan Muniraj</i>
	2	29	CDCEP: Securing the Compressed Data using Certificateless Encryption in Public Clouds <i>Jeevitha B K</i>
	3	33	LDPC Codes for Distributed Storage systems <i>Bhuvaneshwari Vairaperumal and Tharini Chandraprasam</i>
	4	91	Measuring Performance Reliability of a system using DataMining <i>Chandrasekaran K S, Mahalakshmi V and Anantha Padmanaban M R</i>
	5	161	Fuzzy Logic Controller Based Energy Management (FLCBEM) for a Renewable Hybrid System <i>Shyni S M and Ramadevi R</i>
	6	85	Fault and Delay Tolerance in Deep Learning Framework under GPU <i>Thanasekhar B, Gomathy N, Shwetha B and Sumithra A</i>
	7	98	TLS Cipher Suite: Secure Communication of 6LoWPAN Devices <i>R Gunasekaran, Sahaya Beni Prathiba, Jayashree Sivaramakrishnan, Nisha Deborah Phillips, Saranya A M and Renuka Narayanan</i>
Session 1A Meeting Hall CB Block 11.30am - 01.00pm	Oral Paper Presentations on Image Analytics		
	S.No.	ID	TITLE
	1	139	Segmentation of Palm Print by Fusion of Algorithms and Comparison of Mean Values <i>Kavitha S and Sripriya P</i>
	2	221	YouTUBE-Based Keystream Generator -- Secure and Lightweight Secret Key Generation for Near Field Communication Devices <i>Varalakshmi P, Renuka Narayanan, Karthik Radhakrishnan, Sai Prakash N, Saranya A M and Jayashree Sivaramakrishnan</i>
	3	162	IOT Based Automatic LPG Gas Booking And Leakage Detection System <i>Ravi Kodali</i>
	4	224	SUPERNET: An Efficient Image Super-Resolution Preserving Neural Network <i>Jayachitra V P and Renuka Devi P</i>
	5	19	A Framework for Captioning the Interactive Action <i>Afreen Farzana U, Abirami S and Srivani M</i>
	6	157	Image Fusion of radiological images of GBM using weighted average and maximum selection method <i>Brindha V and Jayashree P</i>
	7	108	IoTExpert: Interconnection, Interoperability and Integration of IoT Platforms <i>Gunasekaran Raja, Sahaya Beni Prathiba, Geetanjali V, Indrāja Subramanian and Gunashree Kannan</i>
01.00pm - 02.00pm	LUNCH BREAK		
02.00pm – 02.45pm	Keynote Address “The era of intelligent storage - how traditional data storage is evolving, adapting and surviving the data tsunami!” Mr. Rajkumar Kannan, Hewlett Packard Enterprise, Bangalore		
Session 2 Conference Hall CB Block 03.00pm – 04.30pm	Oral Paper Presentations on Data Science		
	S.No.	ID	TITLE
	1	41	Piping personalized PageRank Algorithm from the Analytic Hierarchy Process(AHP) – A Case study <i>Shanmugam K</i>
	2	92	A comparative analysis of pretrained and transfer-learning model for automatic diagnosis of glaucoma <i>Elakkiya Balan and Saraniya O</i>
	3	77	Hourly Prediction of Load using Edge Intelligence over IoT <i>Ipsita Dalai, Prateek Mudali, Arunima Pattanayak and Bhawani Pattnaik</i>
4	184	Multilabel Aspect-Based Sentiment Classification for Abilify Drug User Reviews <i>Ashok Kumar J, Abirami S and Tina Esther Trueman</i>	

	5	54	Understanding Deep Learning Algorithms for Object Detection and Recognition <i>Suriya Selvakumaran, Rajesh Harinarayan Rajasekaran and S.Mercy Shalinie</i>
	6	95	Relay Selection in Energy Harvesting Hybrid Cognitive Radio Network <i>Danesh K and Vasuhi S</i>
	7	164	IoT based Weather Monitoring and Notification System for Greenhouses <i>Ravi Kodali</i>
	8	31	Disease Detection in Tomato plants and remote Monitoring of agricultural parameters <i>Aditi Hoskere Deepak, Akash Gupta, Manisha Choudhary and Meghana S</i>
Time	Thursday, 19th December 2019		
08.30am - 09.30am	Conference Registration, CB Block, Department of Computer Technology		
09.30am – 10.15am	Keynote Address “Identity Management and Privacy” Dr. K. Gopinath, IISc Bangalore		
Session 3 Conference Hall CB Block 10.30am – 12.30pm	Oral Paper Presentations on Learning Analytics and Databases		
	S.No.	ID	TITLE
	1	43	Deep Learning Based Forest Fire Classification and Detection in Satellite Images <i>Shanmuga Priya R and Vani K</i>
	2	86	Machine Learned Based Academic Stress Management System <i>Thanasekhar B, Gomathy N, Kiruthika A and Swarnalaxmi S</i>
	3	70	AI Vision: Implementing object detection as custom skill on a smart speakers and provide speech algorithms based interaction <i>Bharath Sudharsan</i>
	4	53	Energy Analytics and Comparative Performance Analysis of Machine Learning Classifiers on Power Boiler Dataset <i>Dhanalakshmi J, Ayyanathan N and Pandian N S</i>
	5	173	Detection of Leaf Disease Using Principal Component Analysis and Linear Support Vector Machine <i>Heltin Genitha C, Dhinesh E and Jagan Aravindan</i>
	6	90	Convergence analysis of Maximum Correntropy Criteria based adaptive filtering algorithm based on white input <i>Radhika S and Chandrasekar A</i>
	7	143	Combining Multimodal DNN and SigPid technique for detecting Malicious Android Apps <i>Balaji Vasu and Neelavathy Pari</i>
12.30pm - 01.30pm	LUNCH BREAK		
01.30pm - 02.15pm	Keynote Address “AI Powered Drones” Dr. K. Senthil Kumar, Director, CASR, Anna University, Chennai		
Session 4 Meeting Hall CB Block 02.30pm – 04.30pm	Oral Paper Presentations on Wireless Sensor Networks / Intelligent Systems		
	S.No.	ID	TITLE
	1	82	Performance Analysis of Ant Colony based Routing Approach for VANETs using VANET MobiSim and NS2 <i>Poornima M Chanal, Mahabaleshwar S Kakkasageri, Mamata Sataraddi and Rahul Jahagirdar</i>
	2	83	Intelligent Information Gathering Scheme in Internet of Things (IoT) <i>Sharanappa P H and Mahabaleshwar S Kakkasageri.</i>
	3	107	Controlling Data Congestion by Efficient Backpressure Routing Algorithm in V2V Communication for Autonomous Vehicles <i>Gunasekaran Raja, Sahaya Beni Prathiba, R Ragavi, Kriti Gupta and Ashmitha Raja</i>
	4	186	An Automated System for spying Tax Elusion using Applied Behavior Analytics: Pertinent to India <i>Chandra Priya J and Ponsy R K Sathia Bhama</i>
	5	97	Real-time traffic Sign Detection using CapsNet <i>Neelavathy Pari, Mohana Thirumalai and Akshaya Vijayakumar</i>
	6	74	An Energy Efficient Cluster Based Data Aggregation in Wireless Sensor Network <i>Mohana Bhindu K and Yogesh P</i>
	7	30	Adaptive Cross Layer Scheme for Multimedia Transmission over Wireless Sensor Networks <i>Jenila L</i>
8	193	Sparc-Self Preservation Algorithm for Rouse Cooperative Leader Election in MANET <i>Kathiroli Raja and Abishek C A</i>	
Session 4A Conference Hall CB Block 02.30pm - 04.30pm	Oral Paper Presentations on High Performance Computing		
	S.No.	ID	TITLE
	1	11	Real Time Conversion of Sign Language using Deep Learning for Programming Basics <i>Thanasekhar B, Deepak Kumar G, Akshay V and Abdul Majeed Ashfaq</i>
2	49	Detection and Mitigation of DDoS Attacks using Conditional Entropy in Software-defined Networking <i>Ming Xuanyuan, Visham Ramsurrun and Amar Seem</i>	

	3	39	The Changing Nature of Disciplinary Genders <i>Lakshmi Narasimhan</i>
	4	194	An Optimal Data Representation to Store and Retrieve Data using Encoding <i>Jayashree Padmanabhan, Geetha Bala, and Rajkumar S</i>
	5	126	A CNNbased Similarity Learning for Cardiac Arrhythmia Prediction <i>Sangeetha D and Selvi S</i>
	6	198	Performance Analysis of Ka Band LNA for Different Topologies <i>Arunachalaperumal C and Subatra R</i>
	7	116	Securing of Data Transmission from Multi Cell MIMO Eavesdropper in 5G Wireless Networks using MOSPR <i>Gunasekaran Raja, Sahaya Beni Prathiba, Nirupama S, Akshaya K, Harini R and Devipriya B</i>
	8	137	Medical portraiture-Derivative methods and distributional solutions <i>Viswanath M, Seetharaman R and Nedumaran D</i>
Time	Friday, 20th December 2019		
08.30am - 09.30am	Conference Registration, CB Block, Department of Computer Technology		
09.30am-10.15am	Keynote Address “IoT-generated Data and Learning Difficulty ” Dr. Selwyn Piramuthu, University of Florida, USA		
Session 5 Conference Hall CB Block 10.30am - 12.30pm	Oral Paper Presentations on Image Processing / Social Computing		
	S.No.	ID	TITLE
	1	127	Spatio -Temporal Analysis for Gait Recognition: A Review <i>Amsaprabhaa M and Nancy Jane Y</i>
	2	150	Computer-aided diagnosis for Diabetic Retinopathy based on Firefly algorithm <i>Keerthiveena B, Esakkirajan S, Veerakumar T and Badri Narayan Subudhi</i>
	3	40	Classification of breeding fish using deep learning from the captured video <i>Julanta Leela Rachel J and Varalakshmi P</i>
	4	111	Mining Entropy Optimized parameter based Precise-positioning Episode Rules from Event Sequences <i>Poongodi K and Sheik Manzoor A K</i>
	5	140	Automatic License plate Recognition for Indian Roads Using Faster – RCNN <i>Praveen Ravirathinam and Arihant Patawari</i>
	6	182	Performance Analysis of ABAC and ABAC with trust (ABAC-T) in Fine Grained Access Control Model <i>Abirami G and Revathivenkataraman N</i>
	7	185	Group Anonymous D2D Authenticated Key Exchange Protocol for Mobile Networks <i>Sudhakar Theerthagiri, Natarajan V and Narayanan G</i>
	8	135	Face Recognition using a Greedy based Wrapping Algorithm <i>Krishnaveni B and Sridhar S</i>
Session 5A Meeting Hall CB Block 10.30am - 12.30pm	Oral Paper Presentations on Network Science & Security		
	S.No.	ID	TITLE
	1	138	Data Preprocessing for Intrusion Detection System using Encoding and Normalization Approaches <i>Srikanth Yadav M and Kalpana Ramanujam</i>
	2	154	BIoT : Blockchain based Iot for Agriculture <i>Sruthi Sreeram, Kritika Nandakumar, Jyothi Prasanth D.R and S Umamaheswari</i>
	3	197	Learning based Approximation Algorithm: A Case study in Learning through Gaming <i>Jayashree Padmanabhan, Geetha Bala, and Rajkumar S</i>
	4	75	Advances in Neuroevolution through Augmenting topologies – A Case Study <i>Mohamed Yilmaz Ibrahim, Rangarajan Sridhar, Geetha T V and Deepika S S</i>
	5	80	A Comparative Study on Caching Strategies in Content Centric Networking for Mobile Networks <i>Victoria Priscilla C and Charulatha Rajkumar</i>
	6	179	An Enhanced Hankel Matrix based Singular Value Decomposition Method for Removing Noise from Partial Discharge Signals <i>Suganya Saravanan, Gayathri A, Kishonica Jg and Kannan Krithivasan</i>
	7	176	Res-Net: Resolving Network Impairments of Online Gaming Using Integration of Dead Reckoning and Data Compression <i>Ankit Shrivastava</i>
	8	12	Assistance for visually impaired using Finger-Tip text reader using Machine Learning <i>Suganthi K, Kowshik S and Gautam V R</i>
12.30pm - 01.30pm	LUNCH BREAK		
Session 6 Conference Hall CB Block 01.30pm – 03.30pm	Oral Paper Presentations on Smart Computing		
	S.No.	ID	TITLE
	1	147	Promoting E-commerce through user generated content <i>Nomita Gupta and Hemendra Gupta</i>

	2	152	Geometric Calibration of a Time-of-Flight Depth Sensor and a Colour Camera Pair <i>Kartik Cholachudda, Rajashekhar Biradar and Lokanath Malluri</i>
	3	57	Evaluation of Feature Extraction and Recognition for Human Activity using Smartphone based Accelerometer data <i>Ramanujam Elangovan, Padmavathi S, Dharshani G and Madhumitta M R R</i>
	4	110	Performance Evaluation of Deep Learning Algorithms in Biomedical Document Classification <i>Bichitrananda Behera, Kumaravelan Gopalakrishnan and Prem Kumar Borugadda</i>
	5	175	A Semantic Driven CNN – LSTM Architecture for personalized Image caption generation <i>Abisha Anto Ignatious L, Jeevitha S, Madhurambigai M and Hemalatha M</i>
	6	119	Optimal Feature Selection for Intrusion detection in Medical Cyber – Physical systems <i>William Schneble and Geethapriya Thamilarasu</i>
	7	144	Randomized 5G AKA Protocol Ensembling Security in Fast Forward Mobile Device <i>Neelavathy Pari S, Azhagu Vasanth R, Amuthini M and Balaji M</i>
	8	93	Simulation of Single-Input Fuzzy Logic Control of Multi-output Zero-Voltage Switching Push-pull Quasi-resonant Converter <i>Anitha T and Nachammai N</i>
	9	225	A Deep Learning Framework for Automated Transfer Learning of Neural Networks <i>Thanasekhar B and Timothy Jones Thomas Jeyadoss</i>
Session 6A Seminar Hall CB Block 01.30pm – 02.30pm	Oral Paper Presentations on Modern Technologies		
	S.No.	ID	TITLE
	1	168	An Intelligent Computational Model to Predict Target Genes for Infectious Disease <i>Narmadha D and Pravin A</i>
	2	94	Geo-Cloudlet: Time and Power Efficient Geospatial Query Resolution using Cloudlet <i>Jaydeep Das, Anvesha Mukherjee, Soumya K Ghosh and Rajkumar Buyya</i>
	3	87	An examination of customer reviews for service process innovations: A study with respect to E-travel services <i>Rejikumar G, Nimisha V and Shreya V Mohanan</i>
	4	142	Extending the Performance of Extractive Text Summarization by Ensemble Techniques <i>Aprameya Bharadwaj, Arvind Srinivasan, Anish Kasi and Bhaskarjyoti Das</i>
03.30pm	High Tea		