

ICIT 2019 Program Schedule

19th December 2019 (Thu)

08:00 – 10:00	Delegate Arrival, Registration					
10:00 – 11:00	Inaugural Event					
11:00 – 11:30	High Tea					
11:30 – 12:30	Keynote Talk 1: Data Science and Machine Learning: Recent Issues and Challenges Speaker: Prof. Ujjwal Maulik, Jadavpur University, Kolkata					
12:30 – 14:00	Lunch Break					
14:00 – 15:00	Invited Talk 1: Drones and Data for Disasters Speaker: Dr. Ruchi Saxena, Director of Operations, Caerobotics Healthcare Solutions, UK					
15:00 – 15:15	Tea Break					
15:15 – 17:30	Session 1A: Data Science Chairs: Prof. Sanghamitra Mohanty (Ex VC, North Orissa University), Rakesh Chandra Balabantray (IIIT Bhubaneswar)		Session 1B: Signal Processing, Image Processing, and Computer Vision Chairs: Dr. Arunashu Mohapatra (VSSUT Burla), Dr. Sanjay Saxena (IIIT Bhubaneswar)		Session 1C: Internet of Thing and Smart Grid Chairs: Prof. Ajit Barisal (CET Bhubaneswar), Ms. Umamani Subudhi (IIIT Bhubaneswar)	
	Paper ID	Title	Paper ID	Title	Paper ID	Title
	7	Spoken Language Recognition using CNN	39	An efficient prediction of diabetic from retinopathy using machine learning and signal processing approach	1	Effectiveness Of GA On Short Term Load Forecasting
	26	Classification of Airline Tweet using Naïve-Bayes classifier for Sentiment Analysis	41	Gaussian filter based data-driven cepstral features for robust speaker verification system	12	Comparative Analysis Between SEPIC and CUK Converter for Power Factor Correction
	48	A VMD based Extreme Learning machine Approach for Nonlinear System Identification	45	A Mixed-Norm Fidelity Model for Hyperperspectival Image Denoising under Gaussian-Impulse Noise	25	An Adaptive NSGA II for optimal insertion of distributed generators in radial distribution systems
	59	Exploring Fetal Health Status Using An Association Based Classification Approach	50	Fusion of Convolutional Neural Networks for P300 based Character Recognition	35	Enhancement of Power Flow and Frequency Response Using Droop-Controlled Inverters in Microgrid Operation
	101	MyNLIDB: A Natural Language Interface to Database	64	Hyperspectral Image classification using SWT and CNN	42	Multi-objective optimization for Demand Response Management
	107	Content Based Hierarchical URL Classification with Convolutional Neural Networks	67	A novel sliding window approach for offline handwritten character recognition	29	HeartCare: IoT based heart disease prediction system

	108	A Fuzzy Classification Based Trust Model to Aggrandize the Trustworthiness in Unmanned Aerial Vehicle Network (UAVN)	70	FoNet - Local Food Recognition Using Deep Residual Neural Networks	74	IoT-based Fall Prevention and Detection for Senior Citizens, Physically and Intellectually Disabled
20th December 2019 (Fri)						
08:30 – 09:00	Delegate Arrival, Registration					
9:00 – 11:00	Session 2A: Data Science Chairs: Dr. Santosh Nanda (TonkaBi), Dr. Puspunjali Mohapatra (IIIT Bhubaneswar)		Session 2B: Signal Processing, Image Processing, and Computer Vision Chairs: Dr. Asutosh Kar (IIITDM, Kancheepuram), Dr. C. Srinivas Rao (IIIT Bhubaneswar)		Session 2C: Internet of Thing and Smart Grid Chairs: Prof. K. Surjeet Chaudhury (HIT Bhubaneswar), Mr. Sabyasachi Patra (IIIT Bhubaneswar)	
	Paper ID	Title	Paper ID	Title	Paper ID	Title
	115	Scalable Recommendations using Clustering based Collaborative Filtering	148	Many-objective B/NSGA-III for band selection in cloud contaminated hyper-spectral images	44	Performance Evaluation of Routing Protocols in Synchronphasor Communication Networks
	123	Internet Traffic Classifier using Artificial Neural Network and 1D-CNN	75	A Frequency Division Based Approach for EMG Artifact Minimization from Single Channel EEG	93	Overview and perspective of localization accuracy for persistent Autonomous Vehicle Systems
	129	Efficient Smartphone-based Human Activity Recognition using Convolutional Neural Network	85	Stereo Vision Based Speed Estimation for Autonomous Driving	94	A Study of Authentication Protocols in Internet of Things
	131	Early In-trouble Student Identification Based on Temporal Educational Data Clustering	91	Maximum payload for digital image steganography obtained by mixed edge detection mechanism	106	A Reputation Deterministic Framework for True Event Detection in Unmanned Aerial Vehicle Network (UAVN)
	142	SnapCode - A Snapshot based approach to Code Stylometry	105	Diet and Health Advisory Mechanism from Facial features using Machine Learning	135	BIRA: A Bee Inspired Routing Algorithm for Device-to-Device Communication in the Internet of Things
	149	Clustering Big Datasets using Orthogonal Gray Wolf Optimizer	124	Kinship Verification using Color Features and Covariance Descriptor	172	A Quality of Service aware Routing Protocol for Mesh Networks based on Congestion Prediction
11:00 – 11:15	Tea Break					
11:15 – 12:15	Keynote Talk 2: Cyber-Physical Systems Security: A Pacemaker Case study Speaker: Parthasarathi Roop, University of Auckland, New Zealand					
12:15 - 13:15	Invited Talk 2: Data Driven Modelling: New Paradigms, Challenges & Opportunities Speaker: Prof. Akshya Kumar Swain, University of Auckland, New Zealand					
13:15 – 14:15	Lunch Break					

14:15 – 15:15	Invited Talk 3: Deep Learning with Weakly Labelled Datasets using Adversarial Agents Speaker: Dr. Debdoot Sheet, Department of Electrical Engineering, IIT Kharagpur					
15:15 – 15:30	Tea Break					
15:30 – 17:30	Session 3A: Biomedical Informatics Chairs: Dr. Ratnakar Dash (NIT Rourkela), Dr. Anjali Mohapatra (IIIT Bhubaneswar)		Session 3B: Signal Processing, Image Processing, and Computer Vision Chairs: Dr. Satyasai Jagannath Nanda (NIT Jaipur), Dr. Sudhansu Kumar Mishra (BIT Mesra)		Session 3C: Information Assurance and Information Security Chairs: Mr. Rabi Narayan Behera (Ex-Director NIC), Mr. Srichandan Sobahnayak (IIIT Bhubaneswar)	
	Paper ID	Title	Paper ID	Title	Paper ID	Title
	6	Prediction of protein interactions in rice and blast fungus using Machine Learning	128	Robust and Distributed Estimation of Wireless Channel Using Maximum Correntropy Criteria	103	ProveDoc: A Blockchain based Proof of Existence with Proof of Storage
	24	Early Detection Of Brain Tumor By Using K-Means Clustering, Convolutional Neural Network And Support Vector Machine Without Any Imaging Test	133	Unusual Event Detection in Surveillance Video using Transfer Learning	104	A Novel Approach to Data Storage using Blockchain Technology
	33	Automated brain image classification based on VGG-16 and transfer learning	147	Classification of lesions in Retinal Fundus Images for Diabetic Retinopathy using Transfer Learning	119	A Variable Length Key Based Cryptographic Approach on Cloud Data
	49	A Hybridized Adaptive Fruit Fly Optimization Based Online Sequential Extreme Learning Machine for Bio-Medical Data Classification	151	Electricity Usage Monitoring and Alerting System	159	A Novel encryption Scheme using Hybrid Cellular Automata
	138	Identification of Hub Genes and Key Modules in Stomach Adenocarcinoma using nsNMF-based Data Integration Technique	153	Smart Attendance based Decision Support System for Mid-day Meal Scheme	163	A Novel Approach to Solve Security and Privacy Issues for IoT Applications using Blockchain
	193	Recent Advances in Extreme Learning-based Approaches for Breast Cancer Diagnosis	155	Superpixel Clustering based Segmentation algorithm for Hyperspectral Image Classification	170	A Framework to Build User Profile on Cryptocurrency Data for Detection of Money Laundering Activities
18:30 -	Cultural Program, Banquet Dinner					
21st December 2019 (Sat)						
09:30 – 11:30	Session 4A: Data Science Chairs: Dr. Nguyen Hua Phung(Vietnam National University), Dr. Swati Vipsita (IIIT Bhubaneswar)		Session 4B: Signal Processing, Image Processing, and Computer Vision Chairs: Dr. Arunashu Mohapatra (VSSUT Burla),		Session 4C: Sequential, Parallel, Distributed and Cloud Computing Chairs: Dr. Ajit Kumar Nayak (SOA University, Bhubaneswar), Dr. Subashish K Mohapatra (CET, Bhubaneswar),	
	Paper ID	Title	Paper ID	Title	Paper ID	Title

	165	Hyperlocal Based Support and Information Diffusion in Social Media	158	Is Box-height really a issue in Differential Box Counting based Fractal Dimension?	56	Optimal Task Scheduling towards minimized cost and response time in Fog Computing Environment
	174	Parameter Estimation of Thermal Model of Building: A Meta-heuristic Approach	160	Image Dehazing based on Luminance Stretching	98	Detection of Intended and Unintended Misbehaviors in Unmanned Aerial Vehicle Network (UAVN)
	183	Detection of Intent-Matched Questions Using Machine Learning and Deep Learning Techniques	169	A New Approach for Moving Object Detection under Varying Illumination Environments	166	MLOA: A Meta-heuristic approach for load balancing in cloud computing
	184	Author Profiling: Prediction of Gender and Language variety from Document	185	Comparison of Convergence Performance for LMS and NLMS Adaptive Algorithms in Stereophonic Channels	175	Optimizing Mixed Size & Large Scale Block Placement Using Greedy Approach
	189	Generating Structured Database Queries using Deeply-Bidirectional Natural Language Encodings	188	Single Camera Surveillance Video Synopsis: A Review and Taxonomy	181	Game Theoretic Approach for Real-time Task Scheduling in Cloud Computing Environment
	200	Development of Novel Ensemble Machine Learning Architecture for Forecasting Unresponsive Server State			182	A Review of Load Balancing in Fog Computing
11:30 – 11:45	Tea Break					
11:45 – 12:45	Keynote Talk 3: Humans in Data Science – How to Engineer Features for Machine Learning Speaker: Prof. Gautam Das, Department of Computer Science and Engineering, University of Texas, Arlington, USA					
12:45 – 14:00	Lunch Break					
14:00 – 15:30	Session 5A: Embedded Systems, Information Assurance and Information Security Chairs: Dr. Srinivas Pinisetty (IIT BBSR), Mr. Venkata Sridhar T. (IIIT Bhubaneswar)		Session 5B: Signal Processing, Image Processing, and Computer Vision Chairs: Mr. Subhasis Marndi, Scientist-E (DRDO), Mr. Subrata Kumar Mohanty (IIIT Bhubaneswar)		Session 5C: Internet of Thing and Smart Grid Chairs: Prof. Pravat Kumar Rout (SOA University, Bhubaneswar), Dr. Debani Prasad Mishra (IIIT Bhubaneswar)	
	Paper ID	Title	Paper ID	Title	Paper ID	Title
	27	Real-time data acquisition, measurement and monitoring module for electric power network	195	A Review on Vision based control of Autonomous Vehicles using Artificial Intelligence Techniques	23	Self-Tuned PI Controller Design for Stabilizing and Trajectory Tracking of Inverted Pendulum
	28	Reconfigurable pulse-width modulation control of DC-DC converter	197	Deep Ensemble Network for handling class-imbalance problem in land-cover classification	43	Scheduling Generation and Reserve by Lagrangian Relaxation Unit Commitment considering Demand Response Provider
	99	Fault Coverage Enhancement via Weighted Random Pattern Generation in BIST using a DNN-driven-PSO	202	Animal tracking in wildlife footage with Quantum Particle Filter (QPF)	114	Power Quality Disturbances Classification with Deep Learning Approach

		Approach			
	18	MCS: Distributed Multi-User Channel Selection Algorithm for Cognitive Radio Networks			164 Optimal Summation of Natural Power Distributed Resources in Grid Connected Micro Grid
	40	Security of Cloud Storage : A Survey			179 Performance Analysis of PDF+(1+PI) controller for load frequency control of multi-microgrid system using Genetic Algorithm
15:30 – 15:45	Tea Break				
15:45 – 16:45	Awards and Closing Ceremony				