

ICIT 2017 Program Schedule

21st December 2017 (Thu)

8:00AM-- 10:00AM	Delegate Arrival, Registration, Breakfast					
10:00AM-- 11:00 AM	Inaugural Event					
11:00AM-- 12:00PM	Keynote Talk - 1					
	Title: Heterogeneous Multi-Processor Pipelines: A Real-Time MPSoC Story Speaker: Sri Parameswaran					
12:00 Noon -- 1:00PM	Invited Talk					
	Title: The Next Era: Deep Learning for Biomedical Research Speaker: Parthiban Srinivasan					
1:00PM-- 2:00PM	LUNCH					
2:00PM-- 3:00PM	Keynote Talk - 2					
	Title: Smart Classrooms: Technology-Aids for Effective Teaching and Learning Speaker: Bhaskaran Raman					
3:00PM-- 3:15PM	Tea					
3:15PM-- 5:00PM	Session – 01			Session – 02		
	Data Science1 (DSC1)			Multimedia, Signal Processing, Embedded Systems (MSE)		
	Paper ID	Title	Authors	Paper ID	Title	Authors
	40	A Machine Learning Approach to Decode Mental States in Bistable Perception	Susmita Sen, Syed Naser Daimi, Katsumi Watanabe, Joydeep Bhattacharya and Goutam Saha	70	A comparative study of SIFT and SURF algorithms under different object and background conditions	Ankit Agarwal, Devesh Samaiya and Karunesh K. Gupta
	108	A Probabilistic approach to Discover Optimal Remedy Scheme for Industrial Diagnosis System	Gopichand Agnihotram, P. Radha Krishna and Salman Ahmad Shaik	63	Analysis of Meditation and Attention Level of Human Brain	Srinivas Sethi, Ashima Rout, Prajna Paramita Nanda and Ramesh Sahoo
	57	An Approach to Generic Bengali Text Summarization Using Latent Semantic Analysis	Sohini Roychowdhury, Kamal Sarkar and Santanu Dam	61	Exploring Network on Chip Architectures Using GEM5	Arthita Ghosh, Ankita Sinha, Nancy Jaiswal and Arindam Chatterjee
	109	An empirical seed initialization idea for K-means algorithm inspired by CLIQUE algorithm	Alok Chakrabarty	86	HPWL Formulation for Analytical Placement using Gaussian Error Function	B. N. Bhramar Ray, Susil Kumar Mohanty, Debabrat Sethy and Rasheswari Bhramar Ray
	32	A Study of the Genetic Algorithm Parameters for solving Multi-Objective Travelling Salesman Problem	Sunita Sarkar, Romit S Beed, Arindam Roy and Shubham Chatterjee	94	Image Enhancement using Robust Meta Heuristic computing algorithm	Sandigdha Acharya, Dr. Binod Kumar Pattanayak and Dr. Santosh Kumar Nanda
65	Big Data Analytics in Real Time – Technical Challenges and its Solutions	Rajat Kumar Behera, Abhaya Kumar Sahoo and Chittaranjan Pradhan	101	Design of Fractal Antenna for Wireless Multimedia Communication	Mihir Narayan Mohanty	

	91	A Machine Learning-based Method for Autism Diagnosis Assistance in Children	Sushama Dutta, Soumyajit Giri, Sujoy Datta and Monideepa Roy			
22nd December 2017 (Fri)						
8:00AM--9:30AM	Delegate Arrival, Registration					
Keynote Talk - 3						
Title: Internet of Things (IoT) - Demystified						
Speaker: Saraju P. Mohanty						
Session – 03				Session – 4		
Sequential, Parallel, Distributed and Cloud Computing (PDC)				Power, Smart Grid and Internet of Things1 (PSI1)		
	Paper ID	Title	Authors	Paper ID	Title	Authors
10:30AM--11:30AM	89	QoS Aware Heuristic Provisioning Approach for Cloud Spot Instances	Geetika Mudali, Dr. Diptendu Sinha Roy and K. Hemant Kumar Reddy	83	A Fast Heuristic Network Reconfiguration Algorithm To Minimize Loss and Improve Voltage Profile for a Smart Power Distribution System	Usharani Raut and Sivkumar Mishra
	44	A comparative study of Distributed Tools for Analyzing Streaming Data	Ranjan Kumar Behera, Sushree Das, Monalisa Jena, Santanu Kumar Rath and Bibhudatta Sahoo	100	A STUDY OF VOLTAGE PROFILE IMPROVEMENT USING DVR	Jenamani Pravas Kumar Chhotaray and Rudra Narayan Pradhan
				15	DEEC-VD: A Hybrid Energy Utilization Cluster-based Routing Protocol for WSN for application in IoT	Trupti Mayee Behera, Sushanta Kumar Mohapatra, Harish Kumar Sahoo and Proshikshva Mukherjee
				81	Efficient Data Collection for IoT Services in Edge Computing Environment	Prasenjit Maiti, Jaya Shukla, Bibhudatta Sahoo and Ashok Kumar Turuk
				96	Optimal Placement of Centralized BBU (C-BBU) for Backhaul and Fronthaul Optimization in Cloud-RAN Network	Byomakesh Mahapatra, Ashok Kumar Turuk and Sarat Kumar Patra
				56	Development of an Internet of Things (IoT) based Introductory Laboratory for Under Graduate Engineering Students	Kshirod Kumar Rout, Sivkumar Mishra and Aurobinda Routray
11:30AM--11:45PM	Tea					
Industrial Talk						
Title: Data Science Use Cases in Industry and Demonstration of Rapidminer						
Speaker: Ralf Klinkenberg and Kamal Pradhan						
12:45PM--2:00PM	LUNCH					
Keynote Talk - 4						

2:00PM-- 3:00PM	Title: Integrative AI-based Modeling of Biomedical Data for Precision Medicine					
	Speaker: Vanathi Gopalkrishan					
3:00PM-- 3:30PM	Tea					
3:30PM-- 5:00PM	Session – 5			Session – 6		
	Data Science2 (DSC2)			Biomedical Informatics (BMI)		
	Paper ID	Title	Authors	Paper ID	Title	Authors
	71	Combination of advanced robotics and computer vision for shelf analytics in a retail store	Dr. Gopichand Agnihotram, Navya Vepakomma, Suyog Trivedi, Sumanta Laha, Nick Isaacs, Sreevidya Khatravath, Pradeep Naik and Rajesh Kumar	102	An Enhanced Chaos-based Firefly model for Parkinson's disease Diagnosis and Classification	Sujata Dash, Ruppa Thulasiram and Parimala Thulasiraman
	72	Comprehending Scenario-level Software Evolution using Calling Context Trees	Sarishty Gupta and Paramvir Singh	38	Analysis of gene expression data by evolutionary clustering algorithm	Narayan Behera, Shruti Sinha, Rakesh Gupta, Ann Genocy, Nevenka Dimitrova and Javed Mazher
	76	Design of sharp cut-off digital tuner using firefly algorithm.	Judhisthir Dash, Bivas Dam and Rajkishore Swain	103	Chronic Disease Risk Prediction using Distributed Machine Learning Classifiers	Lambodar Jena and Ramakrushna Swain
	33	Discovering Job Market Trends with Text Analytics	Raymond Blanch Mbah, Manjeet Rege and Bhabani Misra	110	Remote Homology Detection Using Physicochemical Parameters and Physicochemical Properties	Mukti Routray and Swati Vipsita
	30	Divide-and-Conquer Approach for Revealing the Non-dominated Solutions in Multi-objective Optimization Problem	Sagar Samrat De, Satchidananda Dehuri and Sung-Bae Cho			
37	Locally and Globally Tuned Chaotic Biogeography-based Optimization Algorithm	Parimal Giri, Sagar S. De, Satchidananda Dehuri and Sung-Bae Cho				
5:00PM-- 5:15PM	Tea					
5:15PM-- 6:00PM	ICIT Steering Committee and OITS Meeting					
6:00PM-- 7:00PM	Cultural Event					
7:00PM-- 8:30PM	DINNER					
23rd December 2017 (Sat)						

8:00AM--10:00AM	Delegate Arrival, Registration					
10:00AM--11:00 AM	Keynote Talk - 5					
	Title: Extracting and Utilizing Information from Microblogs during Disaster					
	Speaker: Niloy Ganguly					
11:00AM--11:15AM	Tea					
11:15AM--12:30PM	Session – 7			Session – 8		
	Power, Smart Grid and Internet of Things2 (PSI2)			Security Solutions in IoT Frameworks (SecIoT)		
	Paper ID	Title	Authors	Paper ID	Title	Authors
	17	Fault Detection and Classification of a Transmission Line Using Discrete Wavelet Transform & Artificial Neural Network	Papia Ray, Debani Prasad Mishra, Koushik Dey and Pratikshya Mishra	36	A Survey on Authentication Schemes in IoT	Kumar Sekhar Roy and Hemanta Kumar Kalita
	16	Group Search Optimization for Short Term Hydrothermal Scheduling	Chitralkha Jena	123	An Overview of Security Challenges in Vehicular Ad-Hoc Networks	Nisha Malik
	66	Low Frequency Mode Estimation of a Dynamic Power System by Noise Assisted Empirical Mode Decomposition	Papia Ray and Rajesh Kumar Lenka	24	Lightweight Secure RPL : A need in IoT	Aruna Gawade and Narendra Shekhar
	104	Performance Evaluation of a Two-Area Hydro Thermal System using ALOPEX-BASED DE algorithm	Digant Mishra, Tridipta Kumar Pati, Jyoti Ranjan Nayak and Sudipta Mohanty	125	Secure Authentication Protocol for IoT Architecture	Suraj Sharma, Abhishek Panday, Deepak Puthal, Rathin Shit and Amiya Sahu
			126	Study and Analysis of Smart Applications in Smart City Context	Mamata Rath	
12:30PM--2:00PM	LUNCH					
2:00PM--3:00PM	Keynote Talk - 6					
	Title: Computing and Information Technologies for Accelerating Biological Discovery					

Speaker: Madhavi K. Ganapathyraju

3:00M--
3:15PM

Tea

Session –9

Session – 10

Networking and Information Security (NIS)

Data Science3 (DSC3)

Paper ID	Title	Authors	Paper ID	Title	Authors
84	A Real Time Epidemic Alert Generation System for Rural Areas using WBANs and Kiosks	Soumyajit Giri, Sushama Rani Dutta, Sujoy Datta and Monideepa Roy	117	Optimal Design of Low Voltage CMOS Second Generation Current Conveyor Using Cuckoo Search and Particle Swarm Optimization Algorithm	Dr. Rajib Kar, Dr. Durbadal Mandal, Prof. Dr. Saktiprasad Ghoshal and Kanchan Maji
112	Novel Interference Modelling in a Multi-cellular D2D Network	Chandrima Thakur and Sanjay Roy	105	PSO, BCO and K-means Based Hybridized Optimization Algorithms for Data Clustering	Pranesh Das, Dushmanta Kumar Das and Shouvik Dey
79	Self Deployment based on Circle Packing Algorithm for Movement Assisted Wireless Sensor Networks	Rathin Shit and Suraj Sharma	95	Recommending Items using Collectively Trained Models	Rohan Passi
			75	Tagging Efficiency Analysis on Part of Speech Taggers	Pulkit Mehndiratta and Ritu Banga
			52	Interactive Dzongkha Learning Apps for Kids	Kesang Dolkar, Sonam Tshering, Chencho Bidha, Damcho Thinley and Prashu Ram Dhungyel
			58	Towards Efficient and Scalable Big Data Analytics : MAPREDUCE VS. RDD'S	Sheetanshu Srivastava, Akriti Nigam and Rashmi Kumari

4:30PM--
5:00PM

Awards and Closing Ceremony