



**2nd International Conference on Smart IoT Systems: Innovations in
Computing (SSiC-2019)
Conference Schedule**

Pre-Conference Event Details

January 16-18, 2019- Workshop

S. no.	Event	Timing	Venue
1.	Workshop on 5G-SDN - Madhusanka Liyanage University of Oulu	9:00a.m. – 4:00p.m.	Lab 111, 1A Building

January 19, 2019- Student Short-Paper Session & Ph.D. Forum

Venue: 2AB Building

S.no.	Event	Timing
1.	Student Short-Paper Presentation (Room No. 002, 2AB)	10:00 a.m. – 05:00 p.m.
2.	Ph.D. Forum	3:00 p.m. – 05:00 p.m.

January 18-20, 2019 Technical Session(s)

Venue: 2AB Building

S.no.	Event	Timing
1.	Parallel Technical Serssion-I	18 th January
2.	Parallel Technical Serssion-II	19 th January
3.	Parallel Technical Serssion-III	19 th January
4.	Parallel Technical Serssion-IV	20 th January

Registration for Conference: 9:00 a.m. onwards

January 18, 2019- Inaugural Session

Venue: Sharda Pai Auditorium, 2AB Building

S.no.	Event	Timing
1.	Inaugural of the Conference	10::00 a.m. – 10:45 a.m.
2.	Plenary Talk -1 (Chief Guest)	10:30 a.m. -11:00 a.m.
High Tea – Old Food Court 11:00 a.m. – 11:30 a.m.		

Registration for Conference: 9:00 a.m. onwards
January 18, 2019- Inaugural Session
Venue: Sharda Pai Auditorium, 2AB Building

1	Plenary Talk by Arun Somani , General Chair, SSIC-2019, Professor Iowa State University	11:30 a.m. – 12:15 p.m.
2.	Keynote Talk by Swagatm Das , Indian Statistical Institute, Kolkata	12:15 p.m. – 01:00 p.m.
NETWORKING LUNCH – Old Food Court (1:00 p.m. – 2:00 p.m.)		
1	Keynote Talk by Parama Nand	02:00 p.m.- 02:35 p.m, Room No. 23, 2AB
2.	Industry Talk by Teja Manakame , Senior Director, Data Intelligence Engineer, Dell	02:00 p.m.- 02:45 p.m.
Tea Break (02:45 p.m.- 03:00 p.m.)		
Parallel Technical Session-I: Smart Energy Systems (2 AB) (03:00 p.m. – 04:30 p.m.)		
Paper ID	Author(s)	Title
19	Tigilu Mitiku and Mukhdeep Singh Manshahia	Artificial Neural Networks Based Green Energy Harvesting for Smart World
51	Sakar Gupta and Sunita Gupta	Analysis and comparison of sensor node scheduling heuristic for wsn and energy hrvesting wsn
52	A Sebastian	Child Count based Load Balancing in Routing Protocol for Low Power and Lossy Networks (Ch-LBRPL)
58	Mohd. Aslam, Dheeraj Sharma et.al.	Effect of Metallic Strip Deposition Within the Source Dielectric with Applied Double Metallic Drain for Enhanced DC/RF Behavior of Charge Plasma TFET for Low Power IOT Applications
75	Bhalaji Nagarajan, Valliappan et.al	Localization and Indoor Navigation for Visually Impaired using Bluetooth Low Energy
119	Vibhanshu Singh et.al.	Internet of Street Lights for Energy Efficient Smart Lighting System
201	Ashish Kumar, Yash Agarwal et.al.	Identifying Non-Pulsar Radiation and Predicting Chess Endgame Result Using ARSkNN
Parallel Technical Session-I: Smart Solutions and Automation-I (2 AB) (03:00 p.m. – 04:30 p.m.)		
Paper ID	Author(s)	Title
24	Pankaj Kumar Sanda et.al.	SMS Enabled Smart Vehicle Tracking using GPS and GSM Technologies: A Cost-effective Approach
30	Nirmal Choudhary and K. K. Bharadwaj	Multi-criteria Group Recommender System based on Analytical Hierarchy Process
34	Abdul Rehman Khan et.al.	Dimensionality Reduction for Insect Bites Pattern Recognition
39	Siddhant Goswami, Dinesh Singh Shekhawat et. Al.	Short Term Pollution Index Prediction using Principles of Machine Learning62
45	Karan Gupta et.el.	IoT Based Smart Car for Safety of Elderly
46	Karan Gupta et.al.	lot Based Solution for Automation of Hospital activities with High Authentication
69	Lohavani S et.al.	Recommendation system for students course selection
150	Neha Dalwadi et.al.	The Internet of Things based Water Quality Monitoring and Control
Conference Gala Dinner (06:30 Onwards)		



Registration for Conference: 9:00 a.m. onwards

January 19, 2019 : Morning Session

Venue: Sharda Pai Auditorium, 2AB

1.	Keynote Talk by Robin Ram Mohan Das , DEAKIN University , Australia	10:00 a.m. – 10:40 a.m.
2.	Industry Talk by Subhajit Bhattacharya , Program Manager – Innovation & Automation, Accenture	10:40 a.m. – 11:20 a.m.
Tea Break (11.20 a.m. - 11:30 a.m.)		
Parallel Technical Session-II: Network and Information Security (2AB) (11:30 a.m. – 01:00 p.m.)		
Paper ID	Author(s)	Title
79	Rohit Mathur, Dungar Nath Chouhan and Tarun Kumar Dubey	An overview of application scenarios of voice over wireless sensor networks
116	Amjad Qashlan, Priyadarsi Nanda and Xiangjian He	Automated Ethereum Smart Contract for Block chain based Smart Home Security
121	Dr Gurjit Kaur, Pradeep Tomar, Archit Agrawal et.al.	Attacks and their solution at Data Link Layer in Cognitive Radio Networks
151	Vinita Malik and Sukhdip Singh	Internet of Things: Risk Management
162	Monika Gogna and C.Ramakrishna Challa	Cross-domain authentication and interoperability scheme for federated cloud
163	Ravi Nahta	Image Encryption Decryption Using Simple and Modified Version of AES
200	Harsh Kishore Mishra, Meenakshi Mittal	Analysis of Wormhole attack on AODV and DSR Protocols over Live Network Data
Parallel Technical Session-II: Network and Communication -1 (11:30 a.m. – 01:00 p.m.)		
Paper ID	Author(s)	Title
8	Nehal Patel and Radhika Patel	Performance Analysis of Network with Different Queuing Mechanism in TCP/FTP & UDP/FTP scenario.
18	Jenny Kasudiya, Dr. Ankit Bhavsar and Dr. Harshal Arolkar	Wireless Sensor Network-A Possible Solution for Crowd Management
60	Neeru Meena and Buddha Singh	Analysis of Coverage Hole problem in Wireless Sensor Networks
72	P Kumar and G Singh	A Broadband Microstrip Patch Antenna for C-Band Wireless Applications
78	Shashi Kant Pandey, Ganga Prasad Pandey et. al.	Compact Circularly Polarized symmetric fractal Slits loaded Micro-strip Antenna
85	Vikas Raina, Jeetu Sharma, Ranjana Thalore	The QoS Evaluation of WSN using Different Number of Mobile Sink Nodes under Water
196	Geeta Rani and Anita Jindal	Real Time Ball Detection and Tracking using Velocity Control



Parallel Technical Session-II : Smart Solutions and Automation-II (2 AB) (11:30 a.m. – 01:00 p.m.)		
Paper ID	Author(s)	Title
56	D. Soni, Dheeraj Sharma et.al.	A Dielectric Modulated Polarity Controlled Electrically Doped Junctionless TFET Biosensor for IOT Applications
62	Saurabh Srivastava, Yogesh Meena and Girdhari Singh	Subgame Perfect Equilibrium Based Framework for Counter Terror Solution Modeling
73	Bharti Nathani, Nisheeth Joshi and Prof. G.N Purohit	Rule Based Derivational Stemmer for Sindhi Devanagari Using Suffix Stripping Approach
124	Gresha Bhatia, Samujjwaal Dey, et.al.	Interactive Electricity Consumption Analysis System
127	Sashikala P and Samyadip Chakraborty	Linking Green Supply Chain Management, Co-creation and Sustainability: Empirical revisit in Indian Manufacturing sector context
141	Ravneet Kaur, Ravtej Singh Sandhu, et.al.	Intelligent Voice Bots for Digital Banking
160	Apoorva Parashar and Anubha Parashar	IoT Based Cloud Enabled Smart Electricity Management System
NETWORKING LUNCH – Food Court (1:00 p.m. – 2:00 p.m.)		
Industry Talk by Utpal Chakraborty , Head of Artificial Intelligence at YES BANK		02:00 p.m.-02:40 p.m. ,Sharda Pai Auditorium
Industry Talk by Sandip Datta , IBM India Private Limited		02:40 p.m.-03:20 p.m. , Sharda Pai Auditorium
Tea Break (03:20 p.m.-03:30 p.m.)		
Parallel Technical Session-III : Advanced Computing Model-1 03:30 p.m. – 05:00 p.m.		
Paper ID	Author(s)	Title
42	Ganpat Chauhan and Yogesh Meena	DomSent: Domain-Specific Aspect Term Extraction in Aspect Based Sentiment Analysis
57	Nirav Bhatt, Amit Thakkar, Nikita Bhatt et.al.	Algorithm selection via meta-learning and active meta-learning
112	Kazi Lutful Kabir, Fardina Fathmiul Alam et. al.	Word Embeddings for Semantic Resemblance of Substantial Text Data: A Comparative Study
120	Vasudev Yadav, Pradeep Tomar, Prabhjot et.al.	Improvement in XML Keyword Search and Ranking for Data Analytics
129	Yaman Parasher, Gurjit Kaur, Pradeep Tomar et.al.	Development of Artificial Neural Network to predict the concrete strength
188	Shubhajit Panda and Mahesh Jangid	Improving the Model Performance of Deep Convolutional Neural Network in MURA Dataset
208	Nitesh Pradhan, Vijaypal Singh Dhaka	Comparison based study of Page Rank algorithm using Web Structure Mining and Web Content Mining



Parallel Technical Session-III : Network and Communication -2 03:30 p.m. – 05:00 p.m.		
107	Tanisha Dey Roy and Jaiteg Singh	A Note on Wired and Wireless Sensor Communication using Arduino Board and NodeMCU
111	Ranjana Thalore, Raunak Monir et.al.	Analysis of Archimedes' Spiral Based Wireless Sensor Network with Mobile Sink
159	Somya Goyal, Pradeep K. Bhatia and Anubha Parashar	Cloud Assisted IoT Enabled Smoke Monitoring System (e-Nose) Using Machine Learning Techniques
169	Amit Birwal, Sanjeev Singh and Binod Kumar Kanaujia	Smart Compact Folded Microstrip Antenna for GSM, LTE and WLAN Applications
174	Sumanta Kumar Kundu, Shashank Jaiswal	Design of a novel circularly polarized patch antenna on Elliptical structure
175	Pradeep Nazareth and B. R. Chandavarkar	Void Avoidance Node Deployment Strategy for Underwater Sensor Networks
192	Surender Singh	Object Motion Detection Methods for Real-Time Video Surveillance: A Survey with Empirical Evaluation
204	Priyadarsi Nanda	Network Packet Breach Detection using Cognitive Techniques
Parallel Technical Session-III : Internet of Things: Mobility, Security, Access and Control 03:30 p.m. – 05:00 p.m.		
07	Maya Pandey and Pradeep Tiwari	Efficient Channel Access Scheme with Low Congestion Lane selection in Vehicular Ad hoc Network
22	Rutba Mufti, Sumit Bhardwaj, Punit Gupta	Design of IoT Based SmartMat
29	Sumedh Nadendla, Mangala Sneha Srinivasan et.al.	The MANI Protocol for advanced Intra-Vehicular Networking
59	Samir Yerpude and Dr. Tarun Kumar Singhal	Internet of Things Enabled Innovation Constructs in Third Party Logistics – An Empirical Validation
74	Sathish Kumar Soundararaj, P Bagavathi Sivakumar and Ananthanarayanan Velu	Slow Speed Alert for Speed Breakers and Potholes using IoT and Analytics in the Context of Smart Cities
117	Shreyans Sharad Jain, Gaurav Singal et.al.	SecureDorm: Sensor based Girls Hostel surveillance System
202	Fekadu Yihunie, Aman Singh and Sajal Bhatia	Assessing and Exploiting Security Vulnerabilities of Unmanned Aerial Vehicles

Registration for Conference: 9:00 a.m. onwards
January 20, 2019 : Morning Session
Venue: New Auditorium, 2 AB
Building

1.	Keynote Talk by Raj Jain , Barbara J. and Jerome R. Cox, Jr., Professor of Computer Science and Engineering, Washington University in St. Louis	10:00 a.m. – 10:40a.m. (105 1AB)
2.	Keynote Talk by Gaurav Trivedi , Department of Electronics and Electrical Engineering Indian Institute of Technology Guwahati	10:40 a.m. – 11:20 a.m. (105 1AB)
Tea Break (11.20a.m. - 11:30a.m.)		
Parallel Technical Session-IV : Advanced Computing Model-2 11:30 a.m. – 01:00 p.m.		
Paper ID	Author(s)	Title
14	Punit gupta	Railway control and alert when train is on wrong track and derail due to obstruction
139	Mohit Agarwal, Diganta Misra, Amit Sinha et.al.	Potato crop disease classification using Convolutional Neural Network
145	Punit Gupta	Combat Training Simulation
172	Kaushika Pal and Biraj Pate	Model for Classification of Poems in Hindi Language based on Ras
176	Ashutosh Gupta, Praveen Dhyani, et.al.	A Framework for e-Governance using Federation of Cloud
179	Bushra Siddique et.al.	Computing with Words based Concept Retrieval
186	J Naren	Emotion Recognition on E-Learning community to improve the learning outcomes using Machine Learning concepts: A Pilot Study
Parallel Technical Session-IV : Social Networks and Computer Vision 11:30 a.m. – 01:00 p.m.		
61	Laxmi Chaudhary and Buddha Singh	Community detection using Maximizing Modularity and similarity measures in social networks
80	Divya Bharti et.al.	Fog Computing based Environmental Monitoring using Nordic Thingy: 52 and Raspberry Pi
155	Ankit Sharma et.al	A survey on devanagari character recognition
158	Kiran Jeswani	An Advanced Algorithm for Perfect Image selection based on Quality Matrix
168	Nisha Kundu and Dr. Yogesh Kumar Meena	Detecting suspicious users on social networks using text analysis
170	Gaurav Kumar Soni, Akash Rawat et.al.	A Pixel-Based Digital Medical Images Protection Using Genetic Algorithm with LSB Watermark Technique
207	Avneesh Nolkha, Sunil Kumar, V. S. Dhaka	Image Steganography using LSB substitution: A Comparative Analysis on different Color Models
211	Manoj Kumar Sharma, Hitendra Singh Shekhawat, et. al.	IMPACTS OF CHANGE IN FACIAL FEATURES ON AGE ESTIMATION AND FACE IDENTIFICATION: A REVIEW



Parallel Technical Session-IV : Human Computer Interaction 11:30 a.m. – 01:00 p.m.		
05	Deepak Kumar	Enhanced Scientific Analysis through Statistical Image Processing Approach
185	J.Naren, R.Venkatesan, P.Rajendran, Galla Sai Vasudha	Indian Sign Language Spelling Finger Recognition System
193	Amrik Singh, Dr. Ajay Prasad and Dr. Yoginder Talwar	Compact and Secure S-Box Implementations of AES –A Review
195	Crystal Dias and Mahesh Jangid	VULGARITY CLASSIFICATION IN COMMENTS USING SVM AND LSTM
209	Ayush Mittal , Manoj Kumar Sharma , Bhavesh Singh Jaggi	A Review on View Invariant Human Gesture Encroachments
210	Manoj Kumar Sharma, Bhanu Kanwar Bhati, et. al.	A Survey on Crowd Video Exploration using Physical Enthused Approaches
212	Deepak Sinwar, Manoj Kumar Sharma, Harshit Verma	Remote Sensing Classification under Deep Learning: A Review
NETWORKING LUNCH- FOOD COURT, 1st Floor (1:00 p.m. - 2:00 p.m.)		
Valedictory Function: 2:00 p.m. - 3:30 p.m. Venue: Sharda Pai Auditorium, 2AB Building		
S.no.	Event	Timing
1	Valedictory	02:00 p.m – 02:10 p.m
2	Plenary Talk by Priyadarsi Nanda , Senior Lecturer, School of Electrical and Data Engineering, University of Technology Sydney (UTS)	02:10 p.m –02:50 p.m.
3	Valedictory and Certificate Distribution Best Paper per Session, Best Ph.D. Forum	02:50 p.m. – 3:00 p.m.
High Tea (3.00 p.m. - 03:30 p.m.)		