

FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

DAY-1 (22nd November 2019 Technical Sessions)

Technical Session-1



Date: 22nd November 2019

Session Timing: 2:45 to 4:00 PM

Venue: Room No. 13 (ITEC Room)

**Room No. 13
(ITEC Room)**

Session Chair: Prof. Sandeep K Arya (GJUST), Dr. Vivek Kumar Sehgal
Session Coordinator: Ms. Rekha Kak, Sh. Harpreet Sohi

Paper ID	Title
14	Comparative Analysis of different Machine Learning Techniques
29	Classification of Imbalanced Data: Addressing Data Intrinsic Characteristics
35	A review of LEACH successors using single-hop and multi-hop communication model
36	A Comparative analysis of Application of Proposed and the Existing Methodologies on a Mobile Phone Survey
37	Heterogeneous cross project defect prediction – a survey
70	DELBMRFs: Design of Efficient Load Balanced Multicast Routing Protocol for Wireless Mobile Ad-hoc Network based on Fibonacci sequence approach



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-2



Date: 22nd November 2019

Session Timing: 2:45 to 4:00 PM

Venue: Auditorium

Auditorium

Session Chair: Dr. P K Khosla (ED, C-DAC), Dr. Arpan Kumar Kar (IIT Delhi)

Session Coordinator: Sh. Daveet S Lobana, Sh. Rahul Atreja

Paper ID	Title
38	Deep Learning for Textual Emotion Mining
39	The Cascade Generation Nature of Compartmental Models - A Comparative Study
42	Data Mining Technologies used for Identifying Brand-Switching Patterns of Customers in Telecom Domain
44	Exhibiting the Barricades to Academic Research in Computer Science Domain: An Indian Perspective
45	Performance Evaluation of Lung Segmentation Techniques in Computer Aided Lung Nodule Detection System
79	Experimental study of the millimeter wave range receiver



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-3



Date: 22nd November 2019

Session Timing: 2:45 to 4:00 PM

Venue: Library

Library

Session Chair: Prof. Rajesh Khanna (TIET), Dr. Rajesh Mehra (NITTTR)

Session Coordinator: Dr. Hitesh Pahuja, Ms. Shivani Arya

Paper ID	Title
47	Survey on Domain Name System Security Problems - DNS and Blockchain solutions
49	Answering Questions in Natural Language about Images using Deep Learning
52	Information credibility on twitter using machine learning techniques
57	A Review on Interoperability and Integration in Smart Homes
62	Transformation Caused in the Consistency of Landcover due to Stubble Burning in the Northern India State of Punjab from Suomi NPP Satellite Data
127	AIRA Chatbot for Travel: Case Study of AirAsia



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-4



Date: 22nd November 2019

Session Timing: 4:15 to 5:30 PM

Venue: Room No. 13 (ITEC Room)

**Room No. 13
(ITEC Room)**

Session Chair: Dr. R K Soni (AICTE), Dr. Sanjay P Sood (C-DAC)

Session Coordinator: Ms. Rekha Kak, Sh. Harpreet Sohi

Paper ID	Title
65	Storytelling Data Visualization for Grievances Management System
66	Testbed on MANET (ToM): Private Testbed Facility for MANET Experiment
67	ToMRobot 2.0: Real Mobility Mechanism in MANET Testbed Using Mobile Robot
72	Analytical Study of Wireless Ad-Hoc Networks: Types, Characteristics, Differences, Applications, Protocols
75	Susceptibility Assessment of Changes Developed in the Landcover caused due to the Landslide Disaster of Nepal from Multispectral LANDSAT Data
212	Synchronization Safety Problem in Quantum Key Distribution System



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-5



Date: 22nd November 2019

Session Timing: 4:15 to 5:30 PM

Venue: Library

Library

Session Chair: Dr. Yugal Kumar (JUIT), Dr Suneet Madan(C-DAC)
Session Coordinator: Dr. Hitesh Pahuja, Ms. Shivani Arya

Paper ID	Title
77	A hybrid model for detecting anomalous ozone value
78	Evaluating the performance of navigation prediction model based on varied session length
88	Geo-Spatial Analysis of Information Outreach in Twitter Social Network
89	Sustainable Approach for Forest Fire Prediction
90	Rumour Control Model to Prevent Falsehood Propagation in Social Media
91	An inclusive study of several Machine Learning based Non Functional Requirements Prediction Techniques
23	Suicidal Tendency on Social Media by using Text Mining



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-6



Date: 22nd November 2019

Session Timing: 4:15 to 5:30 PM

Venue: Auditorium

Auditorium

Session Chair: Dr. Maheshkumar H. Kolekar (IIT Patna), Sh. Rakesh K Sehgal (C-DAC)

Session Coordinator: Sh. Daveet S Lobana, Sh. Rahul Atreja

Paper ID	Title
110	Heuristics for Minimum Weight Directed Dominating Set Problem
112	A Database for Printed Takri class of northwest Indian Regional Scripts
115	M-N Hashing: Search Time Optimization with collision resolution using balanced tree
119	Copy-Move Image Forgery Detection using DCT and ORB Feature Set
180	Analysis and Identification of Relevant Variables for Precision Farming using Harmonic Systems
181	A Smart Industrial Pollution Detection and Monitoring using Internet of Things (IoT)
113	A Taxonomy of Methods for Handling Data Streams in Presence of Concepts Drifts.



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

DAY-2 (23rd November 2019 Technical Sessions)

Technical Session-7



Date: 23rd November 2019

Session Timing: 12:15 to 1:15 PM

Venue: Room No. 13 (ITEC Room)

**Room No. 13
(ITEC Room)**

Session Chair: Dr. Jitender Kumar Chhabra (NIT Kurukshetra), Dr. Pradeep Kumar Singh (JUIT)
Session Coordinator: Ms. Rekha Kak, Sh. Harpreet Sohi

Paper ID	Title
184	A Study of E-Healthcare System for Pregnant Women
185	A Smart Card based SIP Authentication Scheme for Multiserver Architecture
186	Multi-modality Medical Image Fusion Using Fuzzy Local Information C-means Clustering in SWT Domain
188	Synchronization of the quantum key distribution system with priori information about the fiber-optic line length
190	A Comparative Study on Machine Learning Techniques for Benzene Prediction



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-8



Date: 23rd November 2019

Session Timing: 12:15 to 1:15 PM

Venue: Library

Session Chair: Dr. Manu Sood (HPU Shimla), Dr. Mamta Mittal (GB Pant GEC, Delhi)

Session Coordinator: Dr. Hitesh Pahuja, Sh. Daveet S Lobana

Library

Paper ID	Title
191	Single-photon algorithm for synchronizing the system of quantum key distribution with polling sections of a fiber-optic line
192	Adaptive noise generator for masking side electromagnetic radiation and interference
193	Intelligent Charging Station in 5G Environments: Challenges and Solutions
15	Sybil Account Detection In Online Social Networks Using Statistical Feature Selection Techniques
43	Feature Selection Optimization Using Genetic Algorithm for Spambot Detection in an OSN



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-9



Date: 23rd November 2019

Session Timing: 2:15 to 3:15 PM

Venue: 13 (ITEC Room)

**Room No. 13
(ITEC Room)**

Session Chair: Dr. Yashwant Singh (CUJ Jammu), Dr. Jaspal Singh (C-DAC Mohali)
Session Coordinator: Sh. Rahul Atreja, Sh. Harpreet Sohi

Paper ID	Title
205	Techniques for Task Scheduling in Cloud and Fog Environment: A Survey
210	Predictive Modeling to predict the residency of teachers using machine learning for the real-time
80	Modified Genetic Algorithm for Resource Selection on Internet of Things
204	Carcinoma classification from breast histopathology images using a multilevel spatial fusion mechanism of deep convolutional features from differently stain normalized patches
206	TIME IMPROVEMENT of SMITH-WATERMAN ALGORITHM USING OPENMP and SIMD
207	AttnALPR: Automatic License Plate Detection and Recognition System with RetinaNet and Visual Attention



FTNCT-2019 at C-DAC, Mohali (22 – 23 November 2019)

Technical Session-10



Date: 23rd November 2019

Session Timing: 2:15 to 3:15 PM

Venue: Library

Library

Session Chair: Dr. Shaweta Khanna (JSSATEN, Noida), Sh. Sunil K Chhillar (C-DAC)
Session Coordinator: Dr. Hitesh Pahuja, Sh. Daveet S Lobana

Paper ID	Title
187	Security Analysis of cyber-attacks using Machine Learning Algorithms in eGovernance Projects
84	A Clustering based Optimized PEGASIS in Wireless Sensor Networks
130	Hybrid Big Bang-Big Crunch Algorithm for Cluster Analysis
123	Smart platforms of air quality monitoring: a logical literature exploration
124	Dog Breed classification using Convolution Neural Network

NOTE: All Presentations are subject to the fulfillment of registration criteria by at least one Author. In case of any query, please drop an email at ftnct2018@gmail.com [Subject: Regarding Presentation Schedule FTNCT-2019] (No Phone Call will be entertained in this regard)

Last Updated on 20th November 2019



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