

Day 1: Thrusday, March 5, 2020	
08:30 a.m. Onwards	Registration
9:15 - 10:00 a.m.	Inaugration
10:00 - 10:05 a.m.	Photography Session
10:05 - 10:15 a.m.	Tea Break
10:15 -11:15 p.m.	Keynote Talk 1: Prof. Mohamed Slim Alouini
11:15-12:15p.m.	Technical Session 1
Session-C1.1 : Wireless Communication Systems-I Venue: LT-4	
Session Chair: Dr. James M. Conrad	
Session Rapporteur: Dr. Abhishek Kashyap , Session Incharge: Ms. Ruby Beniwal	
C1.1.1570619853	A Comparative Performance Analysis of TCP Congestion Control Algorithms: Newreno, Westwood, Veno, BIC and Cubic
	Sanjeev Patel ; Yash Shukla ; Nikhil Kumar ; Tejasv Sharma ; Kulgaurav Singh
C1.1.1570623416	BitCom: A Commerce Model on Blockchain
	Shelly Gupta ; Hardik Sharma ; Vikas Hassija ; Vikas Saxena
C1.1.1570620759	An ultra-thin polarization independent quad-band metamaterial-inspired absorber for X- and Ku-band Applications
	Raghvenda Kumar Singh ; Ashish Gupta
C1.1.1570616695	Directed Acyclic Graph for Peer-to-Peer Distributed Communication in Vehicular Network
	Suramya Sharma ; Vidhi Agarwal ; Dhruv Gupta ; Vikas Hassija
Session-S1.1: Signal Processing for System Analysis-I Venue: LT5	
Session Chair: Dr. M. A. Ansari	
Session Rapporteur: Mr. B Suresh , Session Incharge: Dr. Shruti Kalra	
S1.1.1570621393	Sensitivity analysis of Navigation with Indian Constellation (NavIC) derived Multipath Phase towards surface soil moisture over agricultural land
	Sushant Shekhar ; Rishi Prakash ; Anurag Vidyarthi ; Dharmendra Kumar Pandey
S1.1.1570619650	High input impedance VM biquad filter using single active element
	Chandra Shankar ; Sajai Vir Singh ; Vinay Anand Tikkiwal
S1.1.1570616645	Efficient Traffic Density Estimation using Convolutional Neural Network
	Anant Agarwal ; Harshit Rana ; Vaibhav Vats ; Mukesh Saraswat
S1.1.1570611789	Optimization of Watermarking in Image by Using Particle Swarm Optimization Algorithm
	Neha Yadav ; Dharmveer Rajpoot ; Shrikrishna Dhakad
12:15-1:15p.m.	Keynote Talk 2: Prof. James M. Conrad
1:15 - 2:15 p.m.	LUNCH
2:15-3:15 p.m.	Keynote Talk 3: Ms. Sellammal Shekhar
3:15 - 3:30 p.m.	Tea Break
3:30-4:30 p.m.	Technical Session 2

	Session-V1.1 : VLSI Circuits and Systems	Venue: LT-4
	Session Chair: Prof. S. P. Purohit	
	Session Rapporteur: Ms. Jyoti Vyas, Session Incharge: Ms. Monika Singh	
	V2.2.1570618684	Cavity Inclusion Effects on the Performance of Piezoelectric Energy Harvester
		Shradha Saxena ; Rakesh Dwivedi ; Vijay Khare
	V1.1.1570619145	Smart Indoor Weather Monitoring Framework using IoT Devices and Cloud Computing
		Prateek Goyal ; Gaurav Prit ; Manisha Bharti
	V1.1.1570619537	Impact of Temperature on DC and AC Characteristics of Stacked Oxide SiO₂/HfO₂ Cylindrical Gate Tunnel FETs
		Prince Kumar Singh ; Kamalaksha Baral ; Sanjay Kumar ; Manas Ranjan Tripathy ; Ashish Kumar Singh ; Rishibrind Kumar Upadhyay ; Satyabrata Jit
	V1.1.1570618577	Split Memory Based Memory Architecture with single-ended high speed sensing circuit to improve cache memory performance
		Kirmender Singh ; Sajal Khanna
	Session-S1.2: Signal Processing for System Analysis-II	Venue: LT-5
	Session Chair: Prof. Vikas Saxena	
	Session Rapporteur: Dr. Kaushal Nigam, Session Incharge: Dr. Neetu Joshi	
	S1.2.1570619722	Object removal and Image restoration within subspaces by prioritized patch optimization
		S V Bonde ; Rajesh P. Borole
	S1.2.1570616456	Local Binary Pattern based feature extraction with KELM for Face identification
		Bhawna Ahuja ; Virendra P. Vishwakarma
	S1.2.1570621633	Firefly algorithm for optimization of Association Rules
		Shikha Mehta ; Mandhatya Singh ; Navrattan Kaur
	S1.2.1570622870	A New Model for Emotion Prediction in Music
		Hardik Sharma ; Shelly Gupta ; Yukti Sharma ; Archana Purwar
4:30 - 5:30 p.m.	Keynote Talk 4: Prof. Manav R. Bhatnagar	
	Day 2: FRIDAY, March 6, 2020	
09:00-10:00 a.m.	Keynote Talk 5 : Prof. K.V.S. Hari	
10:00-11:00 a.m.	Technical Session 3	
	Session-C2.2 Wireless Communication Systems-II	Venue: LT-4
	Session Chair: Prof. R. C. Mittal	
	Session Rapporteur: Dr. Kuldeep Baderia, Session Incharge: Dr. Vijay Khare	
	C2.2.1570618799	An accurate localization in Wireless Sensor networks
		Amanpreet Kaur ; Niyati Aggrawal ; Sangeeta Lal
	C2.2.1570622823	A Comparison of Bessel and Gaussian optical Filters for pulse shaping and as a mux-demux filter for high speed DP-QPSK WDM system
		Neeraj Sharma ; Sunil Agrawal ; Vinod Kapoor

C2.2.1570623888	Equivalent Circuit Analysis of the MMR-based UWB Microstrip Bandpass Filter
	Bhagirath Sahu
C2.2.1570621637	Enhanced Multilingual Short Text Detection of Twitter using Random Forest Algorithm
	Shikha Mehta; Tanya Jain ; Nilesh Aggarwal
Session-V2.2: VLSI and Embedded System	
Venue: LT5	
Session Chair: Prof. R. K. Dwivedi	
Session Rapporteur: Mr. Varun Goel, Session Incharge: Dr. Jasmine Saini	
V2.2.1570613849	Bismuth based MIM Metamaterial Absorber for Broadband Absorption
	Sajal Agarwal
V1.1.1570612715	System on Chip Implementation of Low Complex Orthogonal Matching Pursuit Algorithm on FPGA
	Venkata Reddy Kopparthi ; Rangababu Peesapati ; Samrat L Sabat
V2.2.1570618685	Data Anonymization for Privacy Protection in Fog-enhanced Smart Homes
	Vartika Puri ; Parmeet Kaur; Shelly Sachdeva
V2.2.1570618758	Automated Tomato Sorting Machine
	Dhroov Batra ; Hardik Rewari ; Hema N
11:00-11:15 a.m.	Tea Break
11:15-12:15 p.m.	Keynote Talk 6 : Dr. Subhada Mishra
12:15-1:15 p.m.	Technical Session 4
Session-C2.3: Channel Modeling	
Venue: LT-4	
Session Chair: Prof. Alka Tripathi	
Session Rapporteur: Dr. Bhagirath sahu, Session Incharge: Mr. Atul Srivastava	
C2.3.1570625270	Performance Analysis of Digital Communication over Rician-TWDP Channels
	Rajnish Kumar Ranjan ; Veenu Kansal ; Simranjit Singh ;
C2.3.1570619855	BER Analysis of 60GHz Millimeter Wave over Free Space Optical Communication System
	Ankur Sood ; Rahul Kaushik
C2.5.1570622859	Pose Estimation on 3-D Models Using ConvNets
	Keshav Bansal ; Abhishek Kumar Gupta ; Sushant Rai ; Bajrang Bansal
C2.3.1570617615	Order Statistics Based Best Two Transmit Antenna Selection for N X 1 MISO System
	Ankit Garg ; Juhi Gupta
Session-S2.3: Image Processing	
Venue: LT-5	
Session Chair: Dr. Deepali Sharma	
Session Rapporteur: Dr. Hemant Kumar, Session Incharge: Ms. Smriti Bhatnagar	
S2.3.1570622824	Spectral-Spatial Active Learning with Superpixel Profile for classification of Hyperspectral Images

	Kaushal Bhardwaj ; Arundhati Das; Swarnajyoti Patra
S2.3.1570625246	Content based image retrieval using 3D center symmetric local binary co-occurrence pattern
	Ankita Wadhwa ; Megha Agarwal
S2.3.1570623136	A Review on Non-Invasive Biosensors for early detection of Lung Cancer
	Manika Jha ; Richa Gupta ; Rajiv Saxena
S2.3.1570618093	An Efficient Approach to Image Indexing and Retrieval using Haar Cascade and Percentual Similarity Index
	Uma Dawn ; Siddhant Tulsyan ; Sangeeta Bhattarai ; Sudarshan Gopal ; Vikas Saxena
01:15-2:15 p.m.	LUNCH
2:15-03:15 p.m.	Keynote Talk 7: Prof. Rajiv Saxena
3:15 - 3:30 p.m.	Tea Break
3:30-4:30 p.m.	Technical Session 5
	Session-V2.3: VLSI Circuits and Systems Venue : LT-4
	Session Chair: Prof. D. K. Rai
	Session Rapporteur:Mr. B Suresh, Session Incharge: Dr. Gaurav Verma
V2.3.1570618759	Secure Home Entry Using Raspberry Pi with Notification via Telegram
	Hema N ; Juli Yadav
V2.3.1570619551	An Efficient CMOS Dynamic Logic-Based Full Adder
	Shamim Akhter ; Saurabh Chaturvedi ; Shaheen Khan ; Ankur Bhardwaj
V2.3.1570621951	Comparative Analysis of Modulo Adder using Parallel Prefix Adder
	Somya Bansal ; Avinash Jain ; Shamim Akhter
V2.3.1570622521	A Novel Voltage-Mode Configuration for First Order All-Pass Filter with One Active Element and all Grounded Passive Components
	Jitender ; Jitendra Mohan ; Bhartendu Chaturvedi
04:30-05:30 p.m.	Technical Session 6
	Session-C2.4: Internet Of Things in Communication Venue: LT-4
	Session Chair: Dr. Parul Dawar
	Session Rapporteur: Dr. Atul Kumar, Session Incharge: Ms. Reema Budhiraja
C2.4.1570616427	Internet of Things Architectural Elements, Challenges and Future Directions
	Rashmi Kushwah ; Payal Khurana Batra ; Arti Jain
C2.4.1570624457	Sustainable Time Series Model for Vehicular Traffic Trends Prediction in Metropolitan Network
	Adwitiya Sinha ; Ratik Puri ; Udit Balyan, Ritik Gupta ; Ayush Verma
C2.4.1570622829	Performance Evaluation of Ad-Hoc Networks in Static & Mobile Environment
	Anuradha Pughat ; Bajrang Bansal ; Tushar Verma
Day 3: SATURDAY, 7 MARCH 2020	
09:00-10:00 a.m.	Keynote Talk 8: Prof. Sanjiv Bonde
10:00-11:00 a.m.	Technical Session 7

	Session-V3.4 : VLSI Circuits and Systems	Venue: LT-4
	Session Chair: Dr. Richa Srivastava	
	Session Rapporteur: Ms. Jyoti Vyas, Session Incharge: Ms. Shradha Saxena	
	V3.4.1570624229	Design of CMOS based Neuromorphic Sensor Circuit using Floating gate MOSFET
		Jayant Singh ; Garima Kapur
	V3.4.1570624498	Study and Analysis of Modified Junction-less SOI MOSFET at 18nm Gate Length
		Vibhaas Saxena ; Yash Gupta ; Suresh Kumar ; Nitu Rao ; Vimal Mishra
	V3.4.1570623328	Effect of Electrodes on Generation Rate of CdTe and PbSe Based Optoelectronic Devices
		Varun Goel ; Hemant Kumar
	V3.4.1570622966	Mg Doping Effects on Optical and Electrical Properties of Solution-Processed ZnO Quantum Dots Based Thin Film Devices
		Yogesh Kumar ; Hemant Kumar ; Gopal Rawat ; Bhola Pal ; Satyabrata Jit
11:00-11:15 a.m.	Tea Break	
11:15-12:15 p.m.	Keynote Talk 9: Prof. Shweta Srivastava	
12:15 - 1:15 p.m.	Technical Session 8	
	Session-S3.4: Machine Learning	Venue: LT-4
	Session Chair: Prof. Neelesh Gupta	
	Session Rapporteur: Dr. Kaushal Nigam, Session Incharge: Dr. Rachna Singh	
	S3.4.1570619720	Offline Signature Verification Using Convolutional Neural Network
		S V Bonde ; Pradeep Narwade ; Rajendra Sawant
	S3.4.1570617732	Cognitive Number Plate Recognition using Machine Learning and Data Visualization Techniques
		Rahul Agrawal ; Manas Agrawal ; Rajalakshmi Krishnamurthi
	S3.4.1570624905	Genuinity Detection of People: a Comparative Analysis on HOG and One Shot Learning
		Rakshit Kumar Sharma ; Nidhi Tater ; Ravi Kumar
1:15-1:30 p.m.	Valedictory Session	
1:30-2:30 p.m.	LUNCH	

POSTER SESSION PLAN

Day 1: THURSDAY, 5 MARCH 2020

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11:15 -12:15 P.M.	Poster Session-1																												
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	CP1.2.1570619563	Blockchain based secure model for sensor data in Wireless Sensor Network Rishabh Chanana, Amit Kumar Singh, Radhika Killa, Saksham Agarwal, Pawan Singh Mehra
Day 2: FRIDAY, 6 MARCH 2020		
12:15 - 1:15 P.M.	Poster Session-3	
	VP2.3.1570620060	The Internet of Things (IOT) based Smart Rain Water Harvesting System Vardhman Ranjan, Moldireddy Vinay Reddy, Mohd Irshad, Neetu Joshi
	VP2.3.11570621421	Sub-10 nm High-k Dielectric SOI-FinFET for High-Performance Low Power Applications Ajay Kumar, Shankul Saini, Abhisht Gupta, Neha Gupta, Madan Mohan Tripathi, Rishu Chaujar
	CP2.3.1570620164	SIW based Bandpass Filter Integrated H-Plane Horn Antenna for K Band Applications Abhay Kumar
	CP2.3.1570622805	Proctored evaluation platform Anmol Mishra, Rajat Miglani, Shariq Murtuza
	CP2.3.1570625350	Analyzing Information Diffusion in Ego-centric Twitter Social Network Ankit Kumar, Dipansha Chhabra, Bhavya Mendiratta, Adwitiya Sinha
3:30 -4:30 P.M.	Poster Session-4	
	VP2.4.1570621519	Internet of Things (IoT) for Bank Locker Security System Ajay Kumar, Priyan Sood, Utkarsh Gupta
	VP2.4.1570621732	Design analysis and comparative study of GDI based full adder design Harsh Yadav, Amit Kumar Goyal, Ajay Kumar
	VP2.4.1570622247	Real Time Weather Prediction System using IOT and Machine Learning Gaurav Verma, Pranjul Mittal, Shaista Farheen
	VP2.4.1570622463	A Graphical Insight into α power MOSFET Model for Nanoscale CMOS Digital Technologies Shruti Kalra
	VP2.4.1570622855	Image Text reader for visually impaired in desired language Priya Bhardwaj, Ritesh Kumar Sharma