

Day 1: THURSDAY, MARCH 7, 2019	
08:30 a.m. Onwards	Registration
09:15 a.m.	Inauguration
10:00-11:00a.m.	Keynote Talk 1: Dr. Gurtej Sandhu
11:00-11:15 a.m.	Tea Break
11:15-12:15p.m.	Technical Session 1
	Session-C1.1 : Wireless Communication Systems-I Venue: LT-4
	Session Chair: Dr. M.A Ansari
	Session Rapporteur: Dr Megha Agarwal, Ms Jyoti Vyas
	C1.1.1570521004 Compact Conformal Slot Antenna for Hyperthermia Applications
	Soni Singh; Dharmendra Singh; S. P. Singh
	C1.1.1570520880 Design of Miniaturized Diamond Shaped Substrate Integrated Waveguide CSRR Band Pass Filter for X Band Applications
	Nitin Muchhal; Shweta Srivastava
	C1.1.1570520313 Design and Analysis of HgCdTe Infrared Photodetector
	Iti Sharma; Tanmay Srivastava; Rahul Kaushik; Amit Goyal
	C1.1.1570517689 Modelling of Graphene Based Tunable Ring Resonator for THz Biosensor Applications
	Neetu Joshi; Nagendra Prasad Pathak
	Session-S1.1: Signal Processing for System Analysis-I Venue: LT5
	Session Chair: Prof. Rajiv Saxena
	Session Rapporteur:Dr Bhartendu Chaturvedi, Mr B. Suresh
	S1.1.1570506021 Performance of Multiplierless FIR Filter based on CSD and Binary: A Comparative Study
	Nidhi Sajwan; Anil Kumar;Ila Sharma; Lokendra Balyan
	S1.1.1570519816 A Systematic Approach of Hardware Design for Acoustic Reflectometry System
	Kapil Dev Tyagi; R. Bahl; Arun Kumar
	S1.1.1570520348 DoG Based Local Ternary Pattern for Image Retrieval
	Megha Agarwal; Amit Singhal
	S1.1.1570518651 Performance analysis of imputation of missing values with noise filtration on medical data

		Sukanya Gupta; Manoj Gupta; Archana Purwar
12:15-1:15p.m.	Keynote Talk 2 : Prof. George K. Karagiannidis	
1:15 - 2:15 p.m.	LUNCH	
2:15-3:15 p.m.	Keynote Talk 3 : Dr. Panagiodis D. Diamantoulakis	
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: Dr. Gurtej Sandhu	
	Session Rapporteur: Mr Abhishek Kashyap, Dr. Kirmender Singh	
	V1.1.1570517892	Possible Active Elements Transposition and Applications
		Atul Kumar; Bhartendu Chaturvedi; Jitendra Mohan
	V1.1.1570506297	Fuel Economy Analysis for Vehicular Efficiency
		Rahul Agarwal; Deepak Gupta; Adwitiya Sinha; Megha Rathi
	V1.1.1570511696	Grounded Series R-L impedance Simulator using CDDITA
		Kapil Bhardwaj; Mayank Srivastava; Kuldeep Panwar; Dinesh Prasad; Ajay Roy
	V1.1.1570517964	Comparative Design and Analysis of FinFET and CMOS SRAM Cell
		Yash Sharma; Anushka Singh; Archana Pandey
	Session-S1.2: Signal Processing for System Analysis-II Venue: LT-5	
	Session Chair: Dr. Panagiodis D. Diamantoulakis	
	Session Rapporteur: Priyanka Kwatra, Dr. Kaushal Nigam	
	S1.2.1570517491	Study of GPS C/No ratio for retrieval of Surface Soil Moisture
		Jitender Pandey; Rishi Prakash; Ananya Ray; Vivek Chamoli; Anurag Vidyarthi
	S1.2.1570520327	Mining Twitter Data for Depression Detection
		Priyanka Arora; Parul Arora
	S1.2.1570520306	A Real Time Sign Language Interpretation of forearm based on Data Acquisition Method
		Sakshi Goel; Mohit Kumar; Yogesh Kumar
	S1.2.1570520050	A Novel Security Power and Resource Aware Virtual Machine Allocation in Cloud Computing
		Neeraj Kumar Sharma; G. Ram Mohana Reddy ; Priyanka Sharma
4:30 - 5:30 p.m.	Keynote Talk 4 : Prof. Rajiv Saxena	

Day 2: FRIDAY, MARCH 8, 2019	
09:00-10:00 a.m.	Keynote Talk 5 : Prof. Mohamed Slim Alouini
10:00-11:00 a.m.	Technical Session 3
	Session-C2.2 Wireless Communication Systems-II : Venue: LT- 4
	Session Chair: Prof. Mohamed Slim Alouini
	Session Rapporteur: Mr Varun Goel, Dr. Kaushal Nigam
	<div>C2.2.1570509076</div> <div>Deployment of Cognitive RF for Performance Enhancement of FSO systems: A FSO/Cognitive RF Hybrid Approach</div>
	Soyinka Nath; Shreesh Kumar Shrivastava; Sujata Sengar and Shree Prakash Singh
	<div>C2.2.1570519690</div> <div>Security Analysis for Mixed RF-FSO system in the presence of a RF - Eavesdropper</div>
	Dipti R. Pattanayak; Vivek K. Dwivedi; Vikram Karwal
	<div>C2.2.1570518069</div> <div>Restoration of the Network for Next Generation (5G) Optical Communication Network</div>
	Dinesh Kumar; Ashutosh Sharma; Rajiv Kumar; Neeru Sharma
	Session-V2.2: VLSI and Embedded Systems Venue: LT5
	Session Chair: Prof. R.K Dwivedi
	Session Rapporteur: Dr Bhartendu Chaturvedi, Ms Jyoti Vyas
	<div>V2.2.1570519308</div> <div>Internet of Things (IoT) Based Smart Shopping Centre Using RFID</div>
	Ajay Kumar; Shlok Srivastava; Utkarsh Gupta
	<div>V2.2.1570517744</div> <div>Characterization of Supercapacitor for the Development of Energy Storage Units</div>
	Dharmendra Jain; Jitendra Kanungo; Santhosh Kumar Tripathi
	<div>V2.2.1570520318</div> <div>Electrical and Optical characteristics of MoO_x/ZnO Based thin film Photodetector</div>
	Hemant Kumar; Yogesh Kumar; Gopal Rawat; Chandan Kumar; Bhola N. Pal; Jit Satyabrata
	<div>V2.2.1570519733</div> <div>Design and Analysis of Broadband Reflector for Passive Radiative Cooling</div>
	Kanika Ratra; Mansi Singh; Amit Kumar Goyal; Rahul Kaushik
11:00-11:15 a.m.	Tea Break
11:15-12:15 p.m.	Keynote Talk 6 : Prof. S. N. Singh
12:15-1:15 p.m.	Technical Session 4
	Session- C2.3: Channel Modeling for Communications Venue: LT-4
	Session Chair : Prof. George K. Karagiannidis
	Session Rapporteur: Dr Megha Agarwal, Mr B. Suresh
	<div>C2.3.1570518063</div> <div>Deterministic Millimeter-Wave Channel Modeling Based on Ray-</div>

		Tracing in Urban Scenario
		Bajrang Bansal; Vimal Mishra; Sanjay Soni; Nitin Jain
	C2.3.1570519473	Performance Analysis of Hexagonal-QAM Signals in Nakagami-m Fading Distribution
		Dharmendra Sadhwani ; Anand Agrawal
	C2.3.1570520228	Characterization of Wall Parameters using Insertion Transfer Function Method in Through the Wall Imaging System
		Vishal Narain Saxena; Rahul Kaushik
	C2.3.1570520304	Channel Characterization of IEEE 802.15.3c mm-Wave Systems
		Anand Agrawal; Dharmendra Sadhwani
	Session-S2.3: Machine Learning in Signal Processing Venue: LT-5	
	Session Chair: Prof. Alka Tripathi	
	Session Rapporteur: Mr Abhishek Kashyap, Dr. Kirmender Singh	
	S2.3.1570520419	Comparative Study of Multilabel Classifiers on Software Engineering Q&A Community for Tag Recommendation
		Ayushi Verma; Neetu Sardana
	S2.3.1570516788	Weather Forecasting Using Machine Learning Algorithm
		Nitin Singh; Saurabh Chaturvedi; Shamim Akhter
	S2.3.1570506884	Feature Extraction: A Survey of the Types, Techniques and Applications
		Ayodeji Olalekan Salau; Shruti Jain
	S2.3.1570519937	DPSN: A Novel approach for Disease Prediction based on Social Networks
		Rishabh Gupta; Swapnil Gupta; Rahul Gupta; Neetu Sardana
	S2.3.1570520538	Speech Enhancement for Punjabi Language Using Deep Neural Network
		Jaspreet Singh; Kamaldeep Kaur
01:15-02:15 p.m.	LUNCH	
02:15-03:15 p.m.	Keynote Talk 7 : Dr. Ashok Chandra	
3:15 - 3:30 p.m.	Tea Break	
3:30-4:30 p.m.	Technical Session 5	
	Session-C2.4 : Internet Of Things in Communication Venue: LT-4	
	Session Chair: Dr. Ashok Chandra	
	Session Rapporteur: Priyanka Kwatra , Mr Varun Goel	
	C2.4.1570511727	Future Battlefield Air Space Management: An Internet of Things (IoT) Based Framework

		Kuldeep Singh; Gaurav Tripathi, G. A. Chullai, Jitender Kumar; Prasoon Kumar
	C2.4.1570517608	Monitoring Harmful Sound Density and Light Intensity state in industrial workplace
		Jobair Al Rafi, Lutful Kader Misbah, Md. Abu Bakar Sayem, Syeda Tanzina Hossain, Sohan Ul Alam; Mohammad Jahed Hasan
	C2.4.1570518693	Developing a Secure Soldier Monitoring System using Internet of Things and Blockchain
		Jitesh Pabla, Vaibhav Sharma; Rajalakshmi Krishnamurthi
	Session-C2.5: Communication Systems Venue: LT-5	
	Session Chair: Dr. Deepali Sharma	
	Session Rapporteur: Dr Megha Agarwal, Ms Jyoti Vyas	
	C2.5.1570520550	Dual Mode Self Controlled Irrigation System for Home
		Tanya Makkar; Harshvardhan Singh Rathore; Yogesh; Sanjay Kumar Dubey
	C2.5.1570518131	Anomalous Ozone Measurements Detection Using Unsupervised Machine Learning Methods
		Anjali Chauhan; P. Raghu Vamsi
	C2.5.1570520367	PAPR Analysis of IFFT and DWT Based OFDM-IM System
		Samriti Kalia; Alok Joshi; Anand Agarwal
	C2.5.1570517250	Design and implementation of photonic crystal vertical cavity surface emitting laser
		Garima Singh; Gurjit Kaur
04:30-05:30 p.m.	Technical Session 6	
	Session-C2.6: Machine Learning in Communication Venue: LT-4	
	Session Chair: Dr. Gujit Kaur	
	Session Rapporteur: Dr Bhartendu Chaturvedi, Mr B. Suresh	
	C2.6.1570506348	Crowdsourcing of Hate Speech for Detecting Abusive Behavior on Social Media
		Jasleen Dhillon; Varn Gupta; Rishabh Govil; Bhavya Varshney; Adwitiya Sinha
	C2.6.1570520358	Permission based Android Malicious Application Detection using Machine Learning
		Aditya Kapoor; Himanshu Kushwaha; Ekta Gandotra
	C2.6.1570517846	Optimization of DDS for Peer To Peer Communication over a Constrained Network
		Pawan Sah; Bharathi Ramudu; Mahima Verma
	Session-S2.4: Image Processing Venue: LT-5	
	Session Chair: Prof. D. K. Rai	
	Session Rapporteur: Mr Abhishek Kashyap, Dr. Kirmender Singh	

	S2.4.1570497130	A Fuzzy Min-Max Neural Network based Classification of Histopathology Images
		Santhos Kumar A; Anil Kumar; Varun Bajaj; G.K. Singh; B. Kuldeep
	S2.4.1570509760	Discrete Wavelet Transform based Image Fusion on Multitemporal Satellite Images
		Anju Asokan; J. Anitha
	S2.4.1570509797	Localisation of spliced region using pixel correlation in digital images
		Ashwani Thakur; Akshita Aggarwal; Savita Walia; Krishan Saluja
	S2.4.1570515853	Morphology based Character Recognition of Overlapped and Touched Objects
		Nafis Uddin Khan; Pallavi Sharma; Kanchan Rani
Day 3: SATURDAY, 9 MARCH 2019		
09:00-10:00 a.m.	Keynote Talk 8: Prof. Depankar Dasgupta	
10:00-11:00 a.m.	Technical Session 7	
	Session-V3.3 : VLSI Circuits and Systems Venue: LT-4	
	Session Chair: Dr Neeraj Shukla	
	Session Rapporteur: Priyanka Kwatra, Dr. Kirmender Singh	
	V3.3.1570518469	Tunnel Field Effect Transistor For Ultra Low Power Applications: A Review
		Km. Sucheta Singh; Satyendra Kumar; Kaushal Nigam; Vinay Anand Tikkiwal
	V3.3.1570519312	Low-Temperature Reliability of Sub-20nm 4H-SiC Trench MOSFET with Black Phosphorus Gate Material
		Ajay Kumar; Madan Mohan Tripathi; Rishu Chaujar
	V3.3.1570520771	Impact of BOX Thickness Scaling on Channel Modulated Electric Field of DC-EFM FD-SOI MOSFET
		Vimal Mishra; Bajrang Bansal; R. K. Chauhan
	V3.3.1570518314	Fabrication of CZTS Thin Films based Solar Cells using Vacuum Deposition Techniques: A Status Review
		Priyanka Kwatra; Deeksha Chandola; Tanmay Mathur; Vinay Tikkiwal
	Session-S3.5 :Signal Processing for System Analysis-III Venue: LT-5	
	Session Chair: Dr. S. K. Singh	
	Session Rapporteur: Dr. Kaushal Nigam, Mr Varun Goel	
	S3.5.1570506887	Audio Compression Using a Modified Discrete Cosine Transform with temporal Auditory Masking
		Ayodeji Olalekan Salau; Kehinde Faleye; Shruti Jain; Ifetayo Oluwafemi
	S3.5.1570520438	Tag Based Answer Recommendation System

		Anjali Chauhan; Ayushi Verma; Deepanshi; Mahendra Gurve
	S3.5.1570520520	TagStack: Automated System for Predicting Tags in StackOverflow
		Sonam Sonam; Ayushi Verma; Sangeeta Lal; Neetu Sardana
	S3.5.1570518050	Speaker Identification Based Proxy Attendance Detection System
		Naman Gupta; Shikha Jain
	Tea Break	
	Keynote Talk 9: Dr. P S M Tripathi	
	Technical Session 8	
	Session-C3.7: Young Professionals Venue: LT- 4	
	Session Chair: Dr. P S M Tripathi	
	Session Rapporteur: Dr. Kaushal Nigam, Ms Jyoti Vyas	
	C3.7.1570517482	An Epsilon Negative Line Based Dual-Band Metamaterial Inspired Antenna for Low-Profile Applications
		Raghvendra Kumar Singh; Ashish Gupta
	C3.7.1570520552	Simulation of MIMO-FSO System with Gamma-Gamma Fading under Different Atmospheric Turbulence Conditions
		Naresh Kumar ; Vineet Khandelwal
	C3.7.1570513536	A Review on Frequency Selective Surfaces and its Applications
		Kanishka Katoch; Naveen Jaglan; Samir Dev Gupta