

## List of Accepted Papers for Oral presentation in VCAS 2018

Paper ID	AUTHORS	PAPER TITLE
3	Sadanand Yadav, Dr. Vinay Kumar, Sanjay Dhok, Gaurav Srivastava, Akhilendra Pratap Singh and	Performance Evaluation of Modulation Techniques for UW-FSO Communication System
4	Prateek Kishor Verma, Akash Singh Rawat and Santosh Kumar Gupta	Temperature dependent analog, RF and linearity analysis of Junctionless Quadruple Gate MOSFETs for analog applications
5	Digvijay Singh Mehta, Varun Mishra, Yogesh Kumar Verma and Santosh Kumar Gupta	A Hardware Minimized Gated Clock Multiple Output Low Power Linear Feedback Shift Register
7	Prince Kumar, Girish Ghivela and Joydeep Sengupta	Design and Analysis of Multiple bands Spider Web shaped Circular Patch Antenna for IoT Application
8	Prateek Kishor Verma, Varun Mishra, Yogesh Kumar Verma, Pawan Kumar Yadav and Santosh Gupta	A novel dual material fin field effect transistor for high performance nanoscale applications
12	Rajesh Kumar Singh and Arun Kumar Singh	POWER SECTOR REFORMS, STRATAGIES & CONTRIBUTION OF PRIVATE SECTOR
13	Hemant Pande, Kapil Srivastava and Lal Chand Mangal	A Resource Allocation Protocol to meet QoS for mobile ad-hoc network (MANET) in tactical scenario
14	Rishabh Bhooshan Mishra, S Santosh Kumar and Ravindra Mukhiya	Modeling and FEM-based Simulations of Composite Membrane based Circular Capacitive Pressure Sensor
15	Shashank Gavel, Ajay Singh Raghuvanshi and Sudarshan Tiwari	Comparative study of Anomaly Detection in Wireless sensor networks using different kernel functions
17	Akhil Chandran T, Raghavendra Pal, Arun Prakash and Rajeev Tripathi	Proactive spectrum handoff based MAC protocol for cognitive radio ad hoc network
18	Anurag Shukla and Sarsij Tripathi	An energy efficient framework based on random waypoint mobility model in WSN-Assisted IoT
20	Venkatesh Vutukuri, Yeshwanth Balaji, Akhil Repala and Ravi Kumar Jatoth	An efficient high speed CORDIC algorithm using parallel prefix adders (PPA)
21	Abhishek Agarwal, Raghavendra Pal and Arun Prakash	A Scheduling Algorithm including deadline of messages in Vehicular Ad hoc Network
22	Prachin Bhojar, Sanjay Dhok and Raghavendra Deshmukh	Hardware implementation of Simeck cipher as a lightweight hash function
24	Ghanshyam Singh, Shashank Gavel and Ajay Singh Raghuvanshi	Comparative study of PSO based hybrid clustering algorithms for wireless sensor networks
25	Rajesh Jha, Prashant Singh, Manish Goswami and B.R. Singh	Comparative Study on Structural and Electrical characteristics of TiO <sub>2</sub> Film deposited by Plasma Enhanced Atomic Layer Deposition and RF Sputtering
26	Meenu Rani, Sanjay Dhok and Raghavendra Deshmukh	EEG Seizure Detection from Compressive Measurements
27	Rajesh Jha, Prashant Singh, Manish Goswami and B.R. Singh	Impact of HfO <sub>2</sub> as Passivation Layer in the Simulation of PERC Type Solar Cell
28	Pritesh Tiwari and Lalita Gupta	A Result Analysis of H-Slot Circular Polarized Micro strip Patch Antenna Using CST

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30	Apoorva Dwivedi, Prateek Asthana and Gargi Khanna	Effect of Mirco Lever Width on the Mechanical Sensitivity of a MEMS Capacitive Accelerometer
31	Abhinav Gupta, Amrish Kumar, Sanjeev Rai and Rajeev Tripathi	Noise and linear distortion analysis of analog/RF performance in a two dimensional dielectric pocket junctionless double gate (DP-JLDG) MOSFET to control SCEs
32	Prateek Asthana, Apoorva Dwivedi and Gargi Khanna	Finite Element Modeling of a Wide-band Piezoelectric Energy Harvester for Ambient Vibration Extraction
33	Akshay Verma, Sunil Kumar, Prateek Raj Gautam and Arvind Kumar	Stable Energy-Efficient Routing Algorithm for Dynamic Heterogeneous Wireless Sensor Networks
35	Raghuvendra Pratap Traipathi, Ankita Tiwari and Dinesh Bhatia	Stockwell Transform based Time-Frequency Analysis of the ECG Features for Assessment of Risk of Left Ventricular Hypertrophy in Hypertension Patients
36	Abhinav Gupta, Amrish Kumar, Sanjeev Rai and Rajeev Tripathi	Impact of oxide engineering on analog/RF performance of doping-less DMDG MOSFET
37	Virendra P. Vishwakarma and Sahil Dalal	A Novel Approach for Compensation of Light Variation Effects with KELM Classification for Efficient Face Recognition
38	Virendra P. Vishwakarma and Sudesh Yadav	A Hybridization of Fuzzy Logic and Deterministic Learning Machine for Face Recognition
39	Harsh Vikram Singh and Kumari Suniti Singh	SATELLITE IMAGE RESTORATION AND CONTRAST ENHANCEMENT USING WAVELET TRANSFORM AND THRESHOLDING TECHNIQUE
40	Sumit Patra, Sunil Kumar, Swati Verma and Arvind Kumar	Design and Implementation of 32-bit MIPS based RISC Processor
41	Priyank Khare and Vinay Kumar Srivastava	An efficient image watermarking technique based on IWT-DCT-SVD
42	Jitendra Bahadur Maurya, Alka Verma and Yogendra Kumar Prajapati	Phosphorene: A Worthy Alternative of Graphene and MoS2 in Surface Plasmon Resonance Sensor
43	Mrinalini Srivastava, Rafik Ahmad and Kamlesh Kumar Singh	COMPARATIVE ANALYSIS OF WAVELET AND OFDM BASED SYSTEMS
44	Pallavi Joshi, Ghanshyam Singh and Ajay Singh Raghuvanshi	Comparative study of DYMO , AODV, BellmanFord and OLSR for IEEE 802.15.4 enabled mobile sink wireless sensor network
45	Shahneela Jamal Kidwai, Subodh Wairya and Divya Tripathi	Design of Full Adder with self checking capability using Quantum Dot Cellular Automata
46	Atul Srivastava, Siddharth Tiwari and Shubhanker Banerjee	Application of Petri Net Model in High Level Scheduling Algorithm
47	Rajkrishna Mondal, Akshay Verma and Pushpendra Kumar Gupta	A Medical diagnostic information system with Computing with Words using Hesitant Fuzzy Sets
49	Mudit Agrawal, Nandkishor Joshi and Neetesh Purohit	Cooperative Communications Framework for Industrial Applications
50	Deo Jaiswal and Rachna Asthana	p-Cycles as their own m-Cycles for Fault Detection and Localization in Elastic Optical Networks

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53	Vivek Kumar Singh, Anubhav Shivhare and Manish Kumar	Sparse matrix completion for effective recommendation system
55	Harshit Patel, Dhruvin Patel, Nirav Patel and Falgun Thakkar	Automatic Cervical Cancer Detection System using Machine Learning on Raspberry Pi
56	Devesh Tiwari, Jamshed Ansari, Mohd Gulman Siddiqui and Abhishek Saroj	ANALYSIS OF MODIFIED SWASTIKA SHAPED SLOTTED (MSSS) MICROSTRIP ANTENNA FOR MULTIBAND AND ULTRAWIDEBAND APPLICATIONS
58	Narendar Vadthiya and Ashutosh Kumar Pandey	Impact of Dimensional Effects on Subsurface Leakage Current of a Low-VTH Nanoscale MOSFET under Accumulation Bias
61	Amrish Kumar, Abhinav Gupta and Sanjeev Rai	Dielectric Pocket (DP) Based Channel Region Of The Junction-less Dual Material Double gate (JLDMDG) MOSFET For Enhanced The Analog/RF Performance
62	Kavindra Kavi	Study and Performance Analysis of Carbon Nanotubes (CNTs) as a Global VLSI Interconnects
63	Bhupendra Jothe, Girish Ghivela and Joydeep Sengupta	Parasitic Series Resistance for 4H-SiC and Diamond Based IMPATT Diode at Ku band
64	Mridul Gupta, Mayank Kansal, Shriram Thyagarajan, Prajjwal Singh Chauhan and	Design of an Optimal Microstrip Butterworth Low Pass Filter Using Colliding Bodies Optimization
65	Jigyasa Hasija, Himanshu Rathor, Priyansh Chaturvedi, Abhay Sharma and Tarun Rawat	FPGA implementation of Residue Number System based Digital Differentiator
67	G. Manikanta, R. A. Mishra, N. A. Srivastava and R. K. Jaiswal	Design and Analysis of Self-Biased OTA for Low-Power Applications
70	Lucky Agarwal, Brijesh Kumar Singh, Shweta Tripathi Tripathi and P Chakrabarti	Work Function estimation of copper doped ZnO thin film
71	Richa Singh and Shweta Tripathi	Refractive index and Dielectric constant evaluation of RF sputtered few layer MoS <sub>2</sub> thin film
76	Shweta Sharma and Som Pal Gangwar	A Compact Star shaped Fractal Antenna for Multiband Applications
77	Anuradha Gupta and Som Pal Gangwar	Dual Band Modified U-Shaped Slot Antenna with Defected Ground Structure for S-Band Applications
78	Namrata Gupta, Abhishek Ray, Alok Naugarhiya and Abhinav Gupta	Design and Optimization of MEMS Piezoelectric Cantilever for Vibration Energy Harvesting Application
79	Prashant Kumar, Prabhat Chandra Shrivastava, Manish Tiwari and Amit Dhawan	Realization of Efficient Architectures for Digital Filters: A Survey
80	Prateek Gautam, Sunil Kumar, Akshay Verma, Tarique Rashid and Arvind Kumar	Localization of Sensor Nodes in WSN using Area Between a Node and Two Beacons
81	Yogesh Kumar Mishra and Som Pal Gangwar	A Compact Rectangular Patch Antenna with Defected Ground Structure for Multi band Applications
83	Sarika Pal, Yogendra Kumar Prajapati and J.P. Saini	Analyzing the sensitivity of heterostructure of BP-Graphene/TMDC layer coated SPR biosensor

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85	Indra Kumar Singh, Rajiv Kumar Singh and Radhey Lal	Design and Development of 2.1 GHz Horn Antenna
86	Ashish Kumar Rao, Rajiv Kumar Singh and Neelam Srivastava	Full-Duplex Wireless Communication in Cognitive Radio Networks: A Survey
87	Rashid Jamal, Rajiv Kumar Singh and Ekta Singh	Interaction of Electromagnetic Fields (100 kHz–300 GHz) exposure with Respect to Human body model and methods for SAR measurement
88	Sumit Kumar and Rajib Jha	Noise Enhanced back-Propagation Algorithm in Weak Signal Detection
90	Vadthiya and Richa Parihar	Short Channel Effects (SCEs) Based Comparative Study of Double-Gate (DG) and Gate-All-Around (GAA) FinFET Structures for Nanoscale Applications
91	Pushpendra Kumar Gupta and V. Krishna Rao Kandavli	New LMI criteria to the global asymptotic stability of uncertain discrete-time systems with time delay and generalized overflow nonlinearities
92	Pritam Keshari Sahoo, Ajay Kumar Yadav, Yogendra Kumar Prajapati and Rajeev Tripathi	Optimum APD Gain Evaluation of FSO System for Inter-building Laser Communication Application
93	Tanmay Dubey, Ravi Shankar and Vijaya Bhadauria	Cross Coupled Bulk Degenerated OTA using Source Follower Auxiliary Pair to Improve Linearity
94	S Thakur, Amit Kumar Singh, Basant Kumar and Sp Ghrera	Improved DWT- SVD based medical image watermarking through hamming code and chaotic encryption
95	Tanmay Dubey, Anurag Kumar and Vijaya Bhadauria	Highly Linear Source Degenerated OTA with Floating Gate Auxiliary Differential Pair
96	Vandana Shukla, O.P. Singh, G.R. Mishra and Dr. Raj Kumar Tiwari	A NOVEL APPROACH FOR REVERSIBLE REALIZATION OF 4×4 BIT VEDIC MULTIPLIER CIRCUIT
98	Komal Agrawal, Richa Negi and Nitin Singh	Dynamically Tuned PID2 controller for Single-Link Flexible Manipulator
99	Rajiv Kumar Singh	EM Analysis of RF Interaction Structures for Gyrotron Devices
101	Ankita Srivastava and Arun Prakash	Reliable Location-Aware Routing Protocol for Urban Vehicular Scenario
103	Ajay Kumar Yadav, Pritam Keshari Sahoo and Yogendra Kumar Prajapati	DFT Precoder Technique combined with $\mu$ -Law Compressing for PAPR reduction in OFDM System
104	Akhilesh Kumar Ravat, Amit Dhawan and Manish Tiwari	Noise cancellation using Adaptive Filter
106	Varun Mishra, Yogesh Kumar Verma, Santosh Kumar Gupta, Prateek Kishor Verma and	Performance of Double Gate Tunnel FET Devices with Source Pocket
107	Sharad Kumar Yadav and Richa Singh	Parameters Affecting Graphene Conductivity for Sensors and High-Frequency Application
109	Girish Chandra Ghivela, Prince Kumar and Joydeep Sengupta	Numerical Measurement of Oscillating Parameters of IMPATT using Group IV and Group III-V Materials

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116	Rupesh Kumar, Sonali Ray, Meenakshi Sharma and Basant Kumar	Abrupt Scene Change Detection Using Spatio-Temporal Regularity of Video Cube
117	Sunil Kumar Ojha	ANALYSIS OF SRAM CELL FOR LOW POWER OPERATION AND ITS NOISE MARGIN
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120	Sima Sahu, Harsh Vikram Singh, Amit Kumar Singh and Basant Kumar	MR Image Denoising Using Adaptive Wavelet Soft Thresholding
121	Prabhat Chandra Shrivastava, Prashant Kumar, Manish Tiwari and Amit Dhawan	A Brief Survey on Hardware Realization of Two Dimensional Adaptive Filters
124	Abhay Vidyarthi and Manish Tiwari	A Survey on H-infinity control techniques
126	Karuppanan P, Prem Kumar and Ritesh Kumar Kushwaha	Study and analysis of Low Power Dynamic Comparator
127	Devesh Shukla, Vinay Kumar and Arun Prakash	PERFORMANCE EVALUATION OF IEEE 802.11p PHYSICAL LAYER FOR EFFICIENT VEHICULAR COMMUNICATION
128	Rahul Singhal, Niraj Kumar Choudhary and Nitin Singh	Short Term Load Forecasting Using Hybrid ANN & ARIMA Model
129	Yogesh Tripathi, Vinay Kumar and Arun Prakash	A Robust Energy Efficient Cluster Based Routing Protocol for Mobile Wireless Sensor Network
130	Shalini Mishra, Devarshi Shukla, Vijaya Bhaduria and Santosh Kumar Gupta	Tuned Universal Filter Design using single Differential Difference Current Conveyor for sub-GHz frequency band
131	Sougata Ghosh and Vijaya Bhaduria	0.5 V Two-Stage Sub-Threshold Fully Differential Miller Compensated OTA using Voltage Combiners
133	Mainejar Yadav, Ranvijay and Vishal Sachan	Enhanced XOR-based Progressive Visual Secret Shar-ing Using Multiple Decryptions
136	Akshay Goyal and Krishan Kumar	LTE-Advanced Carrier Aggregation for Enhancement of Bandwidth
137	Pramod Kumar Srivastava, Satya Prakash Pandey, Rudra Pratap Ojha and Santarpal Singh	Analyze the Effect of Antimalware in Wireless Sensor Network
138	Tripurari Sharan, Khoirom Johnson Singh and Anil Kumar Gautam	Current Feedback Operational Amplifier Based Biquadratic Filter