

Poster Papers

Sl. No.	Paper Code	Title of Paper	Author	Status
OLT				
1.	OLT-1-2979	Design Optimization of Erbium-Doped Fiber Ring Laser For C and L Band Amplification Incorporating Chirped Fiber Bragg Grating	Ricky Anthony, Rini Lahiri, Sambhunath Biswas	Poster + Short (Oral)
2.	OLT-7-9100	Long-range and short-range surface plasmon resonance in coupled plasmonic structure using bi-metallic nanofilms	Mahua Bera, Mina Ray	Poster+ Short (Oral)
3.	OLT-9-5008	All-optical XOR/XNOR Logic Gate Using Micro-ring Resonators	J.K.Rakshit, J.N.Roy, T.Chattopadhyay	Poster + Short (Oral)
4.	OLT-17-9106	All-optical Binary Coded Decimal to Binary Converter with the help of Terahertz Asymmetric Demultiplexer based Switch	Arunava Bhattacharyya, Dilip Kumar Gayen, Tanay Chattopadhyay	Poster+ Short (Oral)
5.	OLT-15-2379	Free Carrier Absorption in Sn based Group-IV Alloys	Vedatrayee Chakraborty, Bratati Mukhopadhyay P.K.Basu	Poster+ Short (Oral)
6.	OLT-18-5161	Performance Analysis of Doppler Shift Induced Optical Filtering and Inband Crosstalk Penalties in Intersatellite Link Optical Switching Nodes	Abhirup Das Barman Alak Halder	Poster+ Short (Oral)
7.	OLT_21_4051	Propagation Characteristics of Single Mode Step Index Linear and Non-Linear Optical Fiber Involving Improved Lorentzian Approximation For The Fundamental Mode	Pratap Kumar Bandyopadhyay, S.N.Sarkar	Poster+ Short (Oral)
8.	OLT_24_545	All Optical 2-bit Carry Look Ahead Adder Using Mach-Zehnder Interferometer	Indranil Jana, Dilip Gayen	Poster+ Short (Oral)
9.	OLT-36-7570	2D Matrix Switching with Optical Phase Conjugation in Gold Nanoparticle Doped-alumina (Au:Al ₂ O ₃): a Theoretical Study	Tanay Chattopadhyay, Panchatapa Bhowmik, Jitendra Nath Roy	Poster+ Short (Oral)
10.	OLT-28-4510	Equivalent Circuit Model of UTC Photodiode	Abhirup Das Barman, Senjuti Khanra	Poster+ Short (Oral)

EDM

11.	EDM-7-3565	Electron Mobility and Energy Relaxation Rate in GaAs/GaAlAs Superlattice	Aniruddha Ghosal Arindam Biswas	Poster+ Short (Oral)
12.	EDM-10-7147	Drift and Temperature Compensation Scheme for an Intelligent Ion-sensitive Field Effect Transistor Sensory System	M.P.Das, M.Bhuyan	Poster+ Short (Oral)
13.	EDM-11-2743	Parabolic double quantum well structures: study of multisubband electron mobility	Trinath Sahu, Ajit K. Panda, Sangeeta Palo	Poster+ Short (Oral)
14.	EDM-16-2273	Effect of flatband voltage and surface field on the MOS capacitance under triangular potential well approximation	Chaitali Chakraborty	Poster+ Short (Oral)
15.	EDM-19-1864	Millimeter-Wave and Noise Properties of Si~Si1-xGex Heterojunction Double-Drift Region MITATT Devices at 94 GHz	Suranjana Banerjee, Aritra Acharyya, J. P. Banerjee	Poster+ Short (Oral)
16.	EDM-20-6189	Temperature Transient Effect on the Large-Signal Properties and Frequency Chirping in Pulsed Silicon DDR IMPATTs at 94 GHz	Aritra Acharyya, J. P. Banerjee, Suranjana Banerjee	Poster+ Short (Oral)
17.	EDM-24-6678	Effect of Polysilicon Gate Doping Concentration Variation on MOSFET Characteristics	Rajesh Dutta Sudakshina Kundu	Poster+ Short (Oral)
18.	EDM-25-1692	A Study on the Performance of Stress Induced p-channel MOSFETs with Embedded Si(1-x)Ge(x) Source/Drain	Kunal Sinha, Hafizur Rahaman Sanatan Chattopadhyay	Poster+ Short (Oral)
19.	EDM-28-5205	Dynamic Performance of Si/SiGe Heterostructure IMPATT Diode at W-Band	Pravash Ranjan Tripathy, Sishir Kumar Choudhury, Moumita Mukherjee, Shankar Prasad Pati	Poster+ Short (Oral)
20.	EDM_29_5230	Performance Improvement of La ₂ O ₃ / p-GaAs MOS Capacitor by using Si Passivation Layer	Anindita Das, Sanatan Chattopadhyay Goutam Kumar Dalapati	Poster+ Short (Oral)
21.	EDM-33-40	Analog/RF Performance Evaluation of Nanoscale Non-overlap SOI MOSFETs with High-k Stack on Spacer	Indra Vijay Singh, M. Shah Alam	Poster+ Short (Oral)
22.	EDM-34-	Low Power 6T-SRAM A Comparative	Saurabh and P. Srivastava	Poster+

	2509	Study of Different Architecture in 32nm Technology using Microwind		Short (Oral)
23.	EDM-35-6127	Simulation to Study the Effect of Variation of Oxide Thickness and Substrate Doping on DIBL in MOSFET	Subhradip Das, Sudakshina Kundu	Poster+ Short (Oral)
24.	EDM-36-5708	GaN/AlGaN Based Complementary p+- p-- p-n+ ATT-Device for Application in THz Imaging	Moumita Mukherjee, P.R.Tripathy, S P Pati	Poster+ Short (Oral)
25.	EDM-L1	A simple analytical model of silicon on insulator tunnel FET	Sayan Kanungo, Hafizur Rahaman, Parthasarathi Gupta, Parthasarathi Dasgupta	Poster+ Short (Oral)
26.	EDM-L3	Numerical Computation of Eigenenergy and Intersubband Transition Energy of GaAs Triangular Nanowire Embedded in Al _x Ga _{1-x} As Rectangular Wire	Arpan Deyasi, S. Bhattacharya, N. R. Das	Poster+ Short (Oral)
MMT				
27.	MMT-5-3029	An UWB Band Pass Filter with a Notch Band using Stub Loaded Multi-Mode Resonator	Sharmili Adhikari, Manimala Pal, Ishita Rakshit, Pankaj Sarkar, Rowdra Ghatak	Poster+ Short (Oral)
28.	MMT-9-2772	SAR Analysis Using SFDTD and Hybrid FDTD	Md. Faruk Ali, Sudhabindu Ray	Poster+ Short (Oral)
29.	MMT-10-921	A Diode Based Millimeter Wave Frequency Doubler	Bijit Biswas, Arun Kumar	Poster+ Short (Oral)
30.	MMT-11-9437	Low loss and High Isolation Ka-band SPDT switch	G. A. Kumar, Arun Kumar	Poster+ Short (Oral)
31.	MMT-12-3601	Design and Analysis of Solidly Mounted Resonator Utilising a Conductive Bragg Reflector to Improve Q and Resonant Frequency	Abhilash Amsanpally, Srikanth Enjamuri, K C James Raju	Poster+ Short (Oral)
32.	MMT-14-2874	Compact Stop Band Filter Based on Double Tuned Rectangular Split Ring Defected Microstrip Structure For ISM Band Applications	Somdotta Roy Choudhury, Tapan Mondal, Susanta Kumar Parui, Santanu Das	Poster+ Short (Oral)
33.	MMT_15	A simple method to avoid interference of unwanted mode during tuning of a cavity	Sanjay Mondal, Salil Kumar Biswas	Poster+ Short (Oral)

	_7565	resonator		
34.	MMT-16-8197	Design of a Bandpass Filter using Multimode Resonators for Ultra-Wideband Application	Pratik Mondal, Arabinda Roy, S.K.Parui	Poster+ Short (Oral)
35.	MMT-18-4952	Design of Resonator Based Ultra Wideband Bandpass Filter in Low Temperature Cofired Ceramic Technology	CH L N Pavan, K C James Raju	Poster+ Short (Oral)
APS				
36.	APS-2-8546	Reduction of Cross-polarization Radiation of E-shaped Microstrip Antenna Array using Spiral-Ring Resonator	Chandan Kumar Ghosh, Bappaditya Mandal, Biswarup Rana, Dr.Susanta Kumar Parui	Poster+ Short (Oral)
37.	APS-5-5833	Sierpinski Fractal Binomial Trapped Planar Monopole Antenna for UWB Communication	Abhik Gorai, Shashank Verma, Anirban Karmakar, Rowdra Ghatak	Poster+ Short (Oral)
38.	APS-9-519	A compact super ultra-wideband (UWB) printed monopole antenna	Pritam Singh Bakariya, Santanu Dwari	Poster+ Short (Oral)
39.	APS-10-9049	Compact Circularly-Polarized Microstrip Patch Antenna on Reactive Impedance Substrates	Indrasen Singh, Vijay Shanker Tripathi, Sudarshan Tiwari	Poster+ Short (Oral)
40.	APS-11-7497	Performance Comparison of Different Adaptive Beamforming Algorithms in Smart Antennas	SK Intiaj, Iti Saha Misra, Rathindranath Biswas,	Poster+ Short (Oral)
41.	APS-13-5619	Signal-To-Noise Ratio Improvement In Sub-Array Combiner	Kishan Sharma, Manu Gaurav, Anand Dambal	Poster+ Short (Oral)
42.	APS_14_7428	Half-Mode Substrate Integrated Waveguide Fed T-Shaped Slot Array Antenna	Biswarup Rana, Susanta Kumar Parui, Arabinda Roy, Chandan Kumar Ghosh	Poster+ Short (Oral)
43.	APS-19-8760	Field Estimation at the Apertures of the Interacting Inductive Diaphragms inside a Waveguide for Pulse Excitation	Sushrut Das, Rintu Kumar Gayen	Poster+ Short (Oral)
44.	APS-20-	Studies on the effect of Mutual Coupling on	Rintu Kumar Gayen,	Poster+

	1820	Network and Resonance Properties of Broad-Wall Longitudinal Slot Antenna	Sushrut Das	Short (Oral)
45.	APS-21-6930	Study of Rectangular Microstrip Patch Antenna with Hexaferrite Cavity	Rekha Sharma, R.S.Meena	Poster+ Short (Oral)
46.	APS-25-4928	2D Defected Ground Structures in Microstrip Line	Chandra Shekhar Gautam, Avanish Bhadauria	Poster+ Short (Oral)
47.	APS-28-5941	Novel Design of Ultra Wideband Vertical Slotted Triangular (VST) Sheet Antenna	Anuj Y. Modi, Aarti Gehani	Poster+ Short (Oral)
48.	APS-29-3216	Design Analysis of a Wide Band Slotted Microstrip Antenna with Improve Performance	Arnab Chowdhury, Sanyog Rawat	Poster+ Short (Oral)
49.	APS-31-2956	Simple and accurate model for computation of input impedance of equilateral triangular patch antenna on suspended and composite substrates	Mihir Dam, M. Biswas	Poster+ Short (Oral)
50.	APS-33-8451	A CPW-fed Printed Monopole Antenna using Circular CSRR for WCDMA/WiMAX/WLAN Applications	Suryanarayan Patra, kumar satyabrat sahuAsit K.Panda	Poster+ Short (Oral)
51.	APS-34-5032	Studies on Compact, Multiple Resonant Frequency Selective Surface (FSS) by Cutting Different Novel Shaped Slits Within Rectangular Shaped Patch	Surajit Mondal, Sourav Nandi, Tanumay Mondol, Shwetanki Singh, Partha Pratim Sarkar	Poster+ Short (Oral)
52.	APS-35-1295	Accurate Determination of Effective Permittivity of Circular Microstrip Patch Antenna on Composite and Suspended Substrate	Sourav Banik, Manotosh Biswas	Poster+ Short (Oral)
53.	APS-36-6596	Design of a wide band frequency selective surface (FSS) for multiband operation of reflector antenna	Gobinda Sen, Susanta Mahato, Tanumay Mandal, Surajit Mondal, Shuvodip Majumdar, Partha Pratim Sarkar	Poster+ Short (Oral)
ADC				
54.	ADC-2-7549	ECG Signal Classification using Wavelet Transform and Back Propagation Neural Network	Hari Mohan Rai, Anurag Trivedi	Poster+ Short (Oral)

55.	ADC-4-4832	Design Graph Multi-Dimensional Data Model of a Data Warehouse and conversion of its equivalent Object – Oriented Schema	Sk. Abdul Rahim, Baisakhi Chakraborty	Poster+ Short (Oral)
56.	ADC-8-9600	Multiple ANN-Blocks based Biometric Identification	Md.Sajjad Hossain, Kandarpa Kumar Sarma	Poster+ Short (Oral)
57.	ADC-5-3637	Secret Image Sharing Scheme Based On Pixel Replacement	Tapasi Bhattacharjee, Jyoti Prakash Singh, Samar Bhattacharya	Poster+ Short (Oral)
58.	ADC-10-412	A (k,n) Secret Image Sharing Scheme with Reduced Computation Complexity	Amitava Nag , Sushanta Biswas, Partha Pratim Sarkar, Debashree Chanda(Sarkar)	Poster+ Short (Oral)
CIS				
59.	CIS-4-5827	Performance Analysis of DE-optimized Multiplier-less Finite Impulse Response Data Transmission Filter	Abhijit Chandra, Sudipta Chattopadhyay	Poster+ Short (Oral)
60.	CIS-5-1503	Universal Filter Using Operational Transresistance Amplifier	Mourina Ghosh, Sajal K. Paul, Rajeev Kumar Ranjam	Poster+ Short (Oral)
61.	CIS-6-9999	New First Order Multifunction Filter Employing Operational Transresistance Amplifier	Khushi Banerjee, Ashish Ranjan, Sajal K. Paul	Poster+ Short (Oral)
62.	CIS-9-9929	Voltage –Fed Trans Z Source Inverter in PV Solar Panel	Amin Mehdipour, Hossein Majdinasab, Hessam Khazraj, Adulapuram Vinay Kumar	Poster+ Short (Oral)
63.	CIS-11-7394	A Generalized Current Mode First Order Filter Using Single Current Controlled Differential Difference Current Conveyor	Ashish Ranjan, Sajal K. Paul,	Poster+ Short (Oral)
64.	CIS-12-5479	Analytical Modeling of Crosstalk Effects in Coupled Copper Interconnects in Deep Sub Micron Technology	Manodipan Sahoo, Hafizur Rahaman	Poster+ Short (Oral)
65.	CIS-13-4237	Transformer Coupled Novel Noise Cancellation Technique for Subthreshold UWB LNA	A R Aravinth Kumar, Ashudeb Dutta, Shiv Govind Singh	Poster+ Short (Oral)

CRC

66.	CRC-1-3851	Performance of Cooperative Spectrum Sensing in Hoyt Fading Channel under Hard Decision Fusion Rules	Srinivas Nallagonda, Aniruddha Chandra, Sanjay Dhar Roy, Sumit Kundu	Poster+ Short (Oral)
67.	CRC-2-1376	Performance of Cooperative Spectrum Sensing Using an Improved Energy Detector in Fading Channels	Srinivas Nallagonda, Sanjay Dhar Roy, Sumit Kundu	Poster+ Short (Oral)
68.	CRC-8-7933	An advanced MIMO OFDM-DSSS system for high speed wireless data communication technology	Sayan Dey, Pinaki Ghosh, Smita Datta	Poster+ Short (Oral)
69.	CRC-11-577	Energy Efficient Layered Cluster Based Hierarchical Routing Protocol with Dual Sink	Aditi Sen, Madhuparna Das Gupta, Debashis De	Poster+ Short (Oral)
70.	CRC-12-5111	Cooperative Spectrum Sensing in Cognitive Radio Network with Power Control	Abhijit Bhowmick, Sanjay Dhar Roy and Sumit Kundu	Poster+ Short (Oral)
71.	CRC-14-1583	Effect on the capacity of a cognitive radio based central access network in different fading distributions.	Ashoka Chakravarthi Mahipathi, Sanjay Dhar Roy	Poster+ Short (Oral)
72.	CRC-16-5107	Placing the 'Third' Node: An Energy Efficiency Perspective	Biswajit Ghosh, Anirban Ghosh, Nilanjan Biswas, Aniruddha Chandra	Poster+ Short (Oral)
73.	CRC-19-2126	Dynamic Improvement of Spectral Efficiency and Signal Strength using Novel Cyclic Prefix Selection	Budhaditya Bhattacharyya, Iti Saha Misra, Salil Kumar Sanyal	Poster+ Short (Oral)
74.	CRC-22-4173	Synchronous Overloaded System for the Uplink of cellular CDMA with Unequal chip Delay Spreading (UCDS)	Amiya Singh, Poonam Singh	Poster+ Short (Oral)
75.	CRC-23-9057	ANN Based Adaptive Beamforming for Faded Wireless Channels	Barnalee Sarma, Kandarpa Kumar Sarma	Poster+ Short (Oral)
76.	CRC-25-8792	Spectral Agility of NC-OFDM Transmission for Dynamic Spectrum Access	Rajan Kapoor, Preetam Kumar	Poster+ Short (Oral)

MEV				
77.	MEV-1-4196	Low Power SRAM Memory System using Low Leak Asymmetric SRAM Cell	Vijayalaxmi C. Kalal, Ravikumar K. I., Rajani H. P., S. Y. Kulkarni	Poster+ Short (Oral)
78.	MEV-2-2365	Design of Multifunction Biquad Structure using OTA	Mousumi Bhanja, Kasturi Ghosh, Baidyanath Ray	Poster+ Short (Oral)
79.	MEV-4-8142	An Improved I-V Model for Delay Analysis in 90nm CMOS Technology	Ashish Kumar Singh, Jagannath Samanta Jaydeb Bhaumik	Poster+ Short (Oral)
80.	MEV-12-3896	Estimation of Peak Crosstalk Noise Voltage for VLSI RC Global Interconnects	Vikas Maheshwari, Joydeep Rakshit, Rajib Kar, D. Mandal, A. K. Bhattacharjee	Poster+ Short (Oral)
81.	MEV-13-8219	Crosstalk Noise Estimation for Generic RLC Trees with Capacitive Coupling	V. Maheshwari, K. Khare, Rajib Kar, D. Mandal, A. K. Bhattacharjee,	Poster+ Short (Oral)
82.	MEV-14-1681	Within-Clock Power Gating Architecture Implementation to Reduce Leakage	Sambhu Nath Pradhan, Debanjali Nath, Priyanka Choudhury, Abhishek Nag	Poster+ Short (Oral)
83.	MEV-16-8444	Voltage Controlled Current Starved Delay Cell for Positron Emission Tomography specific DLL based high precision TDC implementation	Sabir Ali Mondal, Sourav Pal, Hafizur Rahaman Pradip Mondal,	Poster+ Short (Oral)
84.	MEV-17-9716	A Novel Process Variation Tolerant Wide Fan-In Dynamic OR Gate with Reduced Contention	Vikas Mahor, Akanksha Chouhan, Manisha Pattanaik	Poster+ Short (Oral)
85.	MEV-19-4684	A Novel Delay Minimization Technique For Low Leakage Wide Fan-In Domino Logic Gates	Akanksha Chouhan, Vikas Mahor, Manisha Pattanaik	Poster+ Short (Oral)
86.	MEV-21-1519	Two New Techniques to Reduce Gate Leakage at 65 nm Technology	Angshuman Chakraborty, Sambhu Nath Pradhan	Poster+ Short (Oral)
RSS				
87.	RSS-5-5950	Analysis of Performance of QAM system when subjected to Sharpened Raised Cosine Filter	Mahua Pal, Sudipta Pal	Poster+ Short (Oral)

88.	RSS-6-1948	Periodic VLF Emissions Recorded Digitally at the low Latitude Station Agra	U Pandey, O. P. Singh, V. Sarswat, B. Singh	Poster+ Short (Oral)
89.	RSS-9-4014	A Simplified Analytical and Simulation Framework for Evaluating BER of RS Coded Digital Signal in Rician Fading Channels	Anirban Chattopadhyay, Aniruddha Chandra, Anup Kr. Bhattacharjee	Poster+ Short (Oral)
90.	RSS-10-5279	Study of Aerosol and cloud properties of convective regimes: observed by CAIPEEX, MODIS and simulated by WRF model	Kaustav Chakravarty, Parthasarathi Mukhopadhyay	Poster+ Short (Oral)
91.	RSS-11-3310	Simultaneous perturbation observed on VLF and atmospheric vertical electric field for Sumatra earthquake on 11th April 2012	Abhijit Choudhury, Anirban Guha, Barin Kumar De, Rakesh Roy	Poster+ Short (Oral)
TEA				
92.	TEA-2-2529	On the Impact of Node Failure on Network Coverage in Wireless Sensor Network	Ashraf Hossain	Poster+ Short (Oral)
93.	TEA-5-7170	Image Processing based Automatic Mask Alignment for Optical Lithography	Avishek Chowdhury Anirban Bhattacharyya Arpita Das	Poster+ Short (Oral)
94.	TEA-7-5834	Closed Form Expression For Maximum Likelihood Estimate of Parameters of Nakagami-M Distribution	Rangeet Mitra, Amit Kumar Misra Tarun Choubisa	Poster+ Short (Oral)
95.	TEA-8-6297	Survey the Inverse Property of Quantum Gates for Concurrent Error Detection	Bahram Dehghan	Poster+ Short (Oral)
96.	TEA-11-4760	A Noise-Tolerant Framework for Aerial Images Classification Based on Gabor Energy Feature	Md. Abdul Alim Sheikh, S. Mukhopadhyay	Poster+ Short (Oral)
97.	TEA-12-9793	MMBS of wireless images for ATM banking	S.koteswari, P.John Paul, S.Indrani	Poster+ Short (Oral)
98.	TEA-13-2883	Threshold Triplet Incorporated Scheduling of Storage Based Pigeons in Homing-Pigeon-Based Delay Tolerant Networks	Priyanka Das, Kavita Dubey, Tanmay De	Poster+ Short (Oral)
99.	TEA-17-9476	Reversible Circuit Synthesis using Evolutionary Algorithm	Kamalika Datta, Indranil Sengupta, Hafizur	Poster+

			Rahaman	Short (Oral)
100.	TEA-20-2021	Design and performance evaluation of an sensor based on Electrical Impedance Tomography	Deborshi Chakraborty, Madhurima Chottopadhyay	Poster+ Short (Oral)
101.	TEA-21-4344	Design and Simulation of MEMS based Thermally Actuated Positioning System	Dhiman Mallick, Pranay K. Podder, Anirban Bhattacharyya	Poster+ Short (Oral)
102.	TEA-23-425	Comparison of Propagation Delay in Single- and Multi-layer Graphene Nanoribbon Interconnects	Manoj Kumar Majumder, Narasimha Reddy. K, B. K. Kaushik and S. K. Manhas	Poster+ Short (Oral)
103.	TEA-24-9359	Optimized Delay and Power Performances for Multi-walled CNT in Global VLSI Interconnects	Manoj Kumar Majumder, Pankaj Kumar Das, B. K. Kaushik and S. K. Manhas	Poster+ Short (Oral)
104.	TEA-25-756	Design and Simulation of Micro-pump, Micro-valve and Micro-needle for Biomedical Applications	Pranay Kanti Podder, Dip Prakash Samajdar, Dhiman Mallick, Anirban Bhattacharyya	Poster+ Short (Oral)
NEP				
105.	NEP_1_3390	Effect of Strain on the Band Offsets of III-V Quantum Wells: $\text{In}_x\text{Ga}_{1-x}\text{P}/\text{GaAs}$, $\text{In}_x\text{Ga}_{1-x}\text{As}/\text{Al}_{0.2}\text{Ga}_{0.8}\text{As}$ and $\text{In}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$	Tapas Das, Siddhartha Panda, Partha Pratim Bera, Dipankar Biswas	Poster+ Short (Oral)
106.	NEP-4-4345	Mn doped ZnSe/ZnS Core-Shell Quantum Dot as Low Temperature Nano Spin- Filter	Saikat Chattopadhyay, Pratima Sen, Joshep Thomas Andrews, Pranay Kumar Sen	Poster+ Short (Oral)
107.	NEP-5-4358	Effect of Temperature and Kink Energy in Multilevel Digital circuit using Quantum dot Cellular Automata	Ratna Chakraborty, Debashis De, Angshuman Khan, Chiradeep Mukherjee, Sayak Pramanik	Poster+ Short (Oral)
108.	NEP-7-381	Influence Of Geometrical Shape Of Quantum Dot on Field Emission	Shubhasree Biswas Sett, Chayanika Bose	Poster+ Short (Oral)