

Oral Papers

Sl. No.	Paper Code	Title of Paper	Author	Status
MMT				
1.	MMT-3-5133	Equivalent Circuit Modeling of Dual-slot antenna for terahertz application	Gunapandian Paulraj B. Manimegalai	Oral
2.	MMT-4-3053	Compact Dual-Band Bandpass Filter Using Concentric Stepped Impedance Resonator	Manimala Pal, Biswajit Sarkar, Pankaj Sarkar, Rowdra Ghatak	Oral
3.	MMT-6-7338	An Approach to Analyze Planar Microstrip Circuits with Complementary Split Ring Resonator at the Ground Plane using Finite-Difference Time -Domain Method	Santanu Dwari	Oral
4.	MMT-7-7442	A Ka-Band Double Balanced Upconverter MMIC For Space Application	Abhay Jain, Pritam Sinha R. S. Sharma A.N.Bhattacharya	Oral
5.	MMT-13-5987	A high order (x10) planar active frequency multiplier at 1.5GHz for satellite applications	Jyotsna Ladkani Akhil, Jayesh Thakkar	Oral
6.	MMT-17-4387	Fabrication of High Dielectric Constant and Low Loss X Band Ceramic Waveguide Window for High Power Applications	S.Bashaiah, Pramod K. Sharma K C James Raju,	Oral
EDM				
7.	EDM-6-6045	Study of Transient Response Characteristics of Electrons in GaN by Monte Carlo Method	Aniruddha Ghosal Arindam Biswas	Oral
8.	EDM-9-9539	An Analytical Modeling of Interface Charge Induced Effects on Subthreshold Current and Subthreshold Swing of strained-Si (s-Si) on Silicon-Germinium-on-Insulator (SGOI) MOSFETs	Mirgender Kumar, Sarvesh Dubey S. Jit Pramod Kumar Tiwari	Oral
9.	EDM-12-7784	Discourse Analyses of Mobile Phone Message by Winmax2000a	Liu Xianjun	Oral

10.	EDM-17-9986	A Detail Simulation Study on Extended Source Ultra-Thin Body Double-Gated Tunnel FET	Sayan Kanungo, Partha Sarathi Gupta, Hafizur Rahaman, Partha Sarathi Dasgupta	Oral
11.	EDM-27-9486	Modeling of transport behavior of the ballistic Silicon nanowire gate-all-around field-effect-transistors (Si NWFETs) with Si/SiO ₂ interface roughness	Basudev Nag Chowdhury, Sanatan Chattopadhyay	Oral
12.	EDM_30_9604	LPE Grown GaAs _{1-x} N _x ($x \leq 0.01$) for Photoconductive Devices	S.K Das, S. Dhar, A. Bhattacharya	Oral
13.	EDM-L2	Modeling minority charge partitioning factor in SiGe HBTs using full regional approach	Noel Augustin, Anjan Chakraborty	Oral
OLT				
14.	OLT-3-3237	All Optical Microwave / Millimeter Wave Frequency Division	Taraprasad Chattopadhyay, Prosenjit Bhattacharyya, Sujit Das	Oral
15.	OLT-6-3941	Influence of Chalcogenide Glass on Surface Plasmon Resonance based Sensor Design in Near Infrared Region using Admittance Loci Method	Kaushik Brahmachari, Mina Ray	Oral
16.	OLT-8-312	All-optical Conversion Scheme from n to 2n Line Decoder Using Micro-ring Resonators	J.N.Roy, J.K.Rakshit, T. Chattopadhyay	Oral
17.	OLT-10-3985	A Multimode Interference Star Coupler with S-Bend Waveguide	S. K. Raghuwanshi, Santosh Kumar	Oral
18.	OLT-12-338	Threshold Base Current and Light Power Output of Symmetric and Asymmetric Multiple Quantum-Well Transistor Lasers	Rikmantra Basu, Bratati Mukhopadhyay, Prasanta Kumar Basu	Oral
19.	OLT-13-8932	Correcting Beam Astigmatism in Laser Diode by the use of Single Anamorphic GRIN Lens	Md Asraful Sekh N Sood Viswas, S K Sarkar A Basuray	Oral
20.	OLT-14-2199	GeSn/SiGeSn RCE Photodetectors : A comparative study based on Franz-Keldysh Effect and Quantum Confined Stark Effect	Vedatrayee Chakraborty, Bratati Mukhopadhyay P.K.Basu	Oral

21.	OLT-16-4565	Digital Holomicroscopy for Nanometer Depth resolution	Sonali Chakraborty, Sanjukta Sarkar Kallol Bhattacharya	Oral
22.	OLT-20-9403	Efficient Parabolic Similariton Geneartion by Third Order Dispersion Compensation	Debasruti Chowdhury, Navonil Bose Mousumi Basu Sampad Mukherjee Dipankar Ghosh	Oral
23.	OLT-22-476	Design of Flexible Photonics-Based RF Transmitter and Receiver for Future Mobile Networks	Paolo Ghelfi and Antonella Bogoni	Oral
24.	OLT-26-2866	Optical Demux Using Silicon-Silica Based 2D Photonic Crystal	Arkaprava Praharaj, Chayanika Bose, Shounak Dasgupta	Oral
25.	OLT-27-3356	Modelling of An Optical Threshold Element Based On SOAs	Nikolaos P. Diamantopoulos, Valeria Vercesi, Mirco Scaffardi, Antonella Bogoni	Oral
26.	OLT-30-3356	Adjustable gain controlled SOA for optical burst receiver	Ipsita Sengupta, Abhirup Das Barman	Oral
27.	OLT-31-3478	Optically Controlled Rat-race Coupler on Silicon Substrate	Avanish Bhadauria, Anil K Saini, J. Akhtar	Oral
28.	OLT-33-4471	Suppression of stimulated Brillouin scattering using Optimization Techniques	Himansu Shekhar Pradhan, Prasant Kumar Sahu	Oral
29.	OLT-34-367	Design of "Chess-board" like Photonic Crystal Structure for Enhancement of LED Light Extraction	Saroj Kanta Patra, Sonachand Adhikari and Suchandan Pal	Oral
30.	OLT-35-331	Design of a compact SOI Polarization Rotator for mid-IR application	Ajanta Barh, Bishnu P. Pal, R. K. Varshney, B. M. Azizur Rahman	Oral
31.	OLT-37-7932	Four-Wave Mixing in Semiconductor Optical Amplifiers for High-Speed Communications	Narottam Das, Mohammad Razaghi, S. Rasoul Hosseini	Oral
32.	OLT-38-310	All-Optical Regeneration of Phase Modulated Signal Using a Vertical Cavity Semiconductor Saturable Absorber	Lokanath Mishra, Prasanta Kumar Datta	Oral
33.	OLT-L1	Performance analysis of OFDM transmission over 800 kms using mid-	Upma Rai, Ranjan Gangopadhyay, Sumanta Gupta	Oral

		link optical phase conjugation and all Raman amplification		
34.	OLT-L2	Broad band gain incorporating quantum-dot Fluctuations for a GaInAs Semiconductor optical amplifier	X.Sun, N.Vogiatzis, J.M.Rorison	Oral
CIS				
35.	CIS-2-3491	Voltage-Mode Third Order Band Pass Filter Employing Operational Transresistance Amplifier	Ashish Ranjan, Mourina Ghosh, Sajal K. Paul	Oral
36.	CIS-7-8668	Design and Development of a Hand-held RFID Reader for Recording Attendance	Subhabrata Mazumder Vineet Kumar Rakesh, Tapas Samanta	Oral
37.	CIS-14-2929	Analysis and Measurement of High Power Vacuum- Tube RF Transmitters: Matrix Method	H. K. Pandey, A. Chakrabarti, K. P. Ray	Oral
APS				
38.	APS-3-3669	Omni-Directional Printed Antenna Array for MIMO Application	Chandan Kumar Ghosh, Bappaditya Mandal, Susanta Kumar Parui	Oral
39.	APS-6-3340	Application of Synthetic Storm Technique to Predict Time Series of Rain Attenuation from Rain Rate Measurement for a Tropical Location	Dalia Das, Animesh Maitra	Oral
40.	APS-7-8954	Design of Drive Control System for High Efficiency Compact Ground Station Antenna for Remote Sensing Satellites	Heera Singh R, BCS Rao, B. Rami Reddy, M. Satyanarayana	Oral
41.	APS-12-4839	Performance of DOA Based Adaptive Beamforming for TDSCDMA-4G Cellular Networks	Anindya Kundu, Sukanta Roy, Susanta Kumar Parui	Oral
42.	APS-15-5840	Ultra-wideband Coplanar Waveguide-fed Hexagonal Slot Antennas with WLAN Band Rejection	Tapan Mandal, Somdotta Roy Choudhury, Santanu Das	Oral
43.	APS-17-7835	Synthesis of Discrete Amplitude-only Linear Array Antenna With Minimum Side Lobe Level Using Iterative Fast Fourier Transform	Shishir Kumar Singh, Gautam Kumar Mahanti, Harikumar Pilli	Oral

44.	APS-18-1423	Resonance Characteristics of the Slots of a Reduced Height Planar Waveguide Slot Array	Rintu Kumar Gayen, Sushrut Das	Oral
45.	APS-27-6515	A Microstrip Patch Antenna for Biomedical application at 2.45GHz	Shashi Ketan Samal, Ashudeb Dutta, S Pradeep Reddy, Santanu Dwari	Oral
46.	APS-30-3610	A Compact Triangular SRR loaded CPW Line and its Use in Highly Selective Wideband Bandpass Filter for WiMAX Communication System	Asit Kumar Panda, K. Satyabrat Sahu, Rabindra K.Mishra	Oral
47.	APS-32-959	Ultrawideband (UWB) Antenna Design for Cognitive Radio	Peshal B. Nayak, Sudhanshu Verma, Preetam Kumar	Oral
ADC				
48.	ADC-1-3099	Investigation of the Session Initiation Protocol	Assaf M. H., M. Williams, S. Das, S. Biswas and S. Das	Oral
49.	ADC_3_7200	On the Implementation of a Intellectual Property Protection based on Information Hiding	Abhishek Basu, Rabiul Mallick, Susmita Sur and Subir Kumar Sarkar	Oral
CRC				
50.	CRC-6-4094	Performance Evaluation of a New Semi-Orthogonal Spreading Code in an AWGN Channel	Arnab Shashi Hazari, Simita Kundu, Abhijit Chandra	Oral
51.	CRC-9-7520	Extended Data Rate Prediction for Cognitive Radio using ANFIS with Subtractive Clustering	Shrishailayya M Hiremath, Sarat Kumar Patra, Amit Kumar Mishra	Oral
52.	CRC-10-4443	Modeling a IF Double Sampling Bandpass Switched Capacitor $\Sigma\Delta$ ADC with a Symmetric Noise Transfer Function for WiMAX/WLAN	Pankaj Kumar Jha, Ashudeb Dutta, Nithin kumar Y.B. Shiv Govind Singh	Oral
53.	CRC-13-1276	Design of a MIMO geometry for high capacity and full coverage mm-wave system	Tommaso Cella, Pål Orten	Oral
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55.	CRC-17-2591	Monitoring Threshold Cryptography based Wireless Sensor Networks with Projective Plane	Haimabati Dey, Raja Datta	Oral
56.	CRC-18-8710	Selection of Optimal Transmission Time in Cognitive Radio Network for Efficient VoIP Performance	Tamal Chakraborty, Iti Saha Misra and Salil Kumar Sanyal	Oral
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59.	CRC-26-5187	Carrier and Symbol Recovery using Digital Phase Locked Loop in severely faded Nakagami-m Channels	Basab Bijoy Purakayastha, Kandarpa Kumar Sarma	Oral
RSS				
60.	RSS-2-5350	Advanced High Speed Parallel Frame Synchronizer for High Data Rate Indian Remote Sensing Satellite Series	R Srinivas L.Nithyanandan P.V.V.Subba Rao P.Naveen Kumar G.Umadevi	Oral
61.	RSS-3-7255	Satellite and ground base observation of VLF emissions at low latitudes	Uma Pandey, O. P. Singh, Birbal Singh	Oral
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65.	RSS-L1	Performance analysis of Adaptive, Power control algorithm for varying target	C. R. Dutta, Abhirup Datta, Dola Gupta, S. K. Chakraborty	Oral
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TEA				
67.	TEA-1-386	Effective Classification of Radiographic Medical Images Using LS-SVM and NSCT based Retrieval System	Manish Chowdhury, Sudeb Das, Malay Kumar Kundu	Oral
68.	TEA-3-7018	Performance Analysis and Simulation of IIR Anti-Notch Filter with various structures for Gene Prediction Application	S.Barman (Mandal), S.Biswas, M.Roy, S.Das	Oral
69.	TEA-4-5857	Simulation of the Encryption of NetFlow Packet Capturing System using IPSec	Amzari Jihadi Ghazali, Waleed Al-Nuaimy, Asoke K Nandi	Oral
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MEV				
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77.	MEV-9-3667	Dynamic Characteristics of Vibratory Gyro-accelerometer	Payal Verma, Ram Gopal Sandeep Kumar Arya	Oral
78.	MEV-11-4176	A Novel Method for Delay Analysis of CMOS Inverter with On-Chip RLC Interconnect Load	Vikas Maheshwari, S. Mazumdar, Rajib Kar, D. Mandal and A. K. Bhattacharjee	Oral

79.	MEV-20-9228	Study of Substrate Induced Strained–Si/SiGe Channel for Optimizing CMOS Digital Circuit Characteristics	Susanta Sen, Sanatan Chattopadhyay, Bratati Mukhopadhyay	Oral
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NEP				
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82.	NEP-6-4402	Estimation of Process-Induced Variations In Double-Gate Junctionless Transistor	Ratul Kumar Baruah, Roy P. Paily	Oral
83.	NEP-8-7378	Optical Studies on AlGa _N Bulk Films, Quantum Wells and Quantum Dots	Pallabi Pramanik, Sayantani Sen, Anirban Bhattacharyya, T.D. Moustakas	Oral