2023 International Conference on Smart Systems for applications in Electrical Sciences (ICSSES 2023)

Tumakuru, India
7-8 July 2023

IEEE Catalog Number: CFP23DU8-POD
ISBN: 979-8-3503-4730-2

Copyright © 2023 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP23DU8-POD
ISBN (Print-On-Demand):	979-8-3503-4730-2
ISBN (Online):	979-8-3503-4729-6

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

SMART KISAN: A Mobile App for Farmers' Assistance in Agricultural Activities 1
Tejal Yadav, Pooja Sable, Dhananjay Kalbande

Implementation of New Incremental Mass Clustering Algorithm to Handle Dynamic Dataset and Identify Core, Non-Core, Noisy Points 7
S Mallesh Babu, V. K. Sharma, S. Roopa

De-Adulteration Techniques for Aquatic and Atmospheric System 13
Srividya B V, Smitha Sasi

Classroom Activity Detection in Noisy Preschool Environments with Audio Analysis 20
Siddhartha Cv, Preeti Rao, Rajbabu Velmurugan

A Novel Study on Smart Sensors Used in Smart Automation System 26
Rakesh S, Ravi H K

Performance Evaluation of CoolSiC™ Trench MOSFET Based Buck Converter 32
Prajwal S Magadi, Soumya V Kulkarni, Anish P Purdannavar, Pramukh Manchikanti, A B Raju

Terminal Voltage Control of BLDC Motor 38
Yadunandan, Bhargav Naik, Roopesh Konduru, Bibijohara Bashasab Ilkal, Sahana Kalligudd

An Artificial Neural Network Based Energy Efficient Wireless Detection System to Extend the Lifetime of the Network 43
Rakheeba Taseen, Niranjan L, Haseeba Yaseen, Imtiyaz Ahmed B K, Sridhar N, N Shwetha

An Improved Fuzzy Logic Control Algorithm of Photovoltaic MPPT Incremental Conductance Methodology 49
Burri Ankaiah, Sujo Oommen, Mahesh Kumar, Ananda M H, K Lokeswara Rao

Blockchain and IoT-Based Medical Care Utilizing Secure and Protection Safeguarding Watermark 55
Shruthi K, Poornima A. S

Gallium Nitride (GaN) Device - Study and Application in Power Electronics 61
Adarsh A. A, Aashish Puradannavar, Vijeta R. Shetty, Muskan N. Nadaf, A. B. Raju

Vision-Based Automated Guided Vehicle 67
Venkatesh T, Nataraj Urs H D

Design of Unmanned Aerial Vehicle for Stability 72
Rithika Shenoy, Roopa Manjunatha

Robotic Orchard : A Smart and Efficient Solution for Fruit Harvesting 78
Amisha, Babli Kumari, Priya, Shambhavi Kumari, Srividya B. V

Mathematical Modelling and Simulation of BLDC Motor with Trapezoidal Control Technique 85
Vandana Muratti, Vikas Kulkarni, Sahana Bhat, Sanjay Rajur, Aishwarya Laddigatti

Data Acquisition of Iris and ECG for Person Biometric Authentication and Verification 90
Ashwini K, G N Keshava Murthy

Deep Learning Based Super-Resolution for Accurate COVID-19 Diagnosis in Chest CT Images 96
Rajeshwari P, Shyamala K

Crop Yield Prediction of Cotton Using Optimization Technique 102
Prathiksha S V, Spandana N Raj, Soumyalatha Naveen, Ashwinkumar U M

Smart Glove with Gesture Based Communication and Monitoring of Paralyzed Patient 108
H M Kalpana, Aditya Balaji Kulkarni, Manish Tiwari, Om Rajesh Chitmalwar, Raghavendra Surya T R

Emotion Recognition and Stress Reduction Based on Electroencephalograph (EEG) Signals Validated by Machine Learning Algorithms 114
Shwetha Baliga, Nafisa Ali, Anusha Ls, Vishruthh P

Analysis and Review of Various Motors Used for Electric Vehicle Propulsion 120
Palla Siva Kumari, Mareddy Padma Lalitha

An Error-State Extended Kalman Filter Based State Estimation and Localization Algorithm for Autonomous Systems 125
Madan H T, Vaseem Akram, Sumanth Reddy, Mohan Gowda Kn, Uday Kumar Ld

Trajectory Tracking and Lane-Keeping Assistance for Autonomous Systems Using Pid and MPC Controllers 131
Madan H T, Ramya P, Rakshitha M, Saniya

Detection of Path History of an Emitter Using TDOA Measurements and Spherical Intersection Algorithm 138
Raji C, Aravind Valsalan

Investigating the Performance of a Wide Bandgap $BaZrS_3$ Perovskite Tandem Solar Cell 144
Shreyus Goutham Kumar, Suraj N, Anmol Pramod, Prashanth C R, Gajanan V Honnavar

Design of Fractional Order PID Controller Based Automatic Voltage Regulator System Using HarrisHawk Optimization Algorithm 150
Jaya Surya Varaprasad Samasani, B. T. Krishna

ISmartYog: A Real Time Yoga Pose Recognition and Correction Feedback Model Using Deep Learning for Smart Healthcare 156
Hukam Chand Saini

Advancements and Challenges in 5G Networks 162
Sindhushree K, Naik D C

Smart Wearable Memory Band System for Alzheimer's Patients 168
Rashmi G. P, Sreenivasulu K. N, Prathima N, G. V Jaya Krishna

Fingerprint Definition for Song Recognition Using Machine Learning Algorithm 173
Arunakumari B N, Shashidhar R, Sahana B, Jagadamba G, A S Manjunath, Roopa M

A Cooperative Global Sequencing Algorithm for Distributed Wireless Sensor Networks 179
M Lorate Shiny, C Sharon Roji Priya, Sam Gilvine Samuvel, Niranjan L, Shilpa A N, Shwetha N

Enhanced Crop Protection in Agriculture Utilizing Open Source Platform 186
Panwala Fenil Chethankumar, Lokashree N B, Naveen T, K V Niranjana Sharma, Ranjitha P, Panchami J

Effective Method for Vehicle-Automatic Emergency Braking System and Blind Spot Detection Using Radar and IoT 190
Bindu S P, Harshitha V M, Keerthi L Reddy, Lavanya M, H. Venkatesh Kumar

Gate C-V Characteristics of n-Channel MOSFET Considering Quantum Mechanical Effects 195
K. V. Jyothi Prakash, G. S. Jayadeva

Classification of Valvular Diseases Using Phonocardiogram Without Segmentation and Gammatone Filters 199
Rajeshwari B. S., Nirmalya Ghosh

Design and Implementation of Cruise Control for Bikes Using Raspberry PI 204
Madhu B. M., Sakcham Somvanshi, Mansi Ramsinghani, Punith N, Sumit Kumar

Wireless Sensor Network and AI Boom in Classroom-A Review 208
Ashwitha B. M, Bharathi P. T

Classification of Skin Cancer Using Machine Learning Techniques 213
Aishna Shah, Shreya V, Reehana D R, Amrita Das, Purushotham U

Realtime Detection of Humps and Potholes 219
Tejas B S, V Pavan, Rohith H, Pranam J, Veena N. Hegde

Recent Trends in Development of Soft Magnetic Material for Power Electronics Applications: A Review 225
Rashmi Aradhya, R Santhosh Kumar, Sundara Rajan J.

Breast Cancer Detection with Multiparametric Magnetic Resonance Imaging Using Deep Learning 231
Swati Nadkarni, Kevin Noronha

A Novel UAPQC Device for Enhancing Power-Quality in Grid Connected PEV Charging Station 236
Anil Kumar Dharavatu, R. Srinu Naik

Performance Analysis of Piezo Resistive MEMS Cantilever for the Detection of VOCs 243
Guruprasad B, M G Veena, Usha Rani C M

Harmonic Source Identification in Microgrid Using Wavelet Time Frequency Analysis 249
S Ramana Kumar Joga, Javvadi Shiva

Multiclass Classification of Rail Track Defects Using Deep Learning Techniques 255
Shreetha Bhat, Asha Gowda Karegowda, Leena Rani A

An Intelligent VGG-16 Framework for Brain Tumor Detection Using MRI-Scans 261
Poonam Shourie, Vatsala Anand, Sheifali Gupta

Design and Implementation of Kogge-Stone, Sparse Kogge-Stone and Spanning Tree Adder 267
B N Shashikala, Pooja R, Pavan Prahallad, Ramya S K, M V Ramyashree

Modeling and Simulation of Various Suspension Systems for Dual Axis MEMS Accelerometer Towards Seismic Sensing Application 273
Nithya G, Niroop. C, Sandesh N, Madhu R, Nagaraj K Hegde

Machine Learning Models for Early Prediction of Malignancy in Sepsis Using Clinical Dataset 277
Divya Bhaskaracharya, Diya Mehta

Control Strategy for Power Sharing in a Microgrid Using Wind/Fuel Cell Hybrid System 282
Karthik R P, Sushma S R, Surenderkumar S

Evaluating Metaheuristic Algorithms and Neural Networks for PID Tuning 287
Abhigyan Adarsh, Amal Chawla, Anirudh Singh, Bharat Bhushan

Optimal Sensor Network Solution Based Smart Drip Irrigation System 293
Mallikarjun B C, B. A. Pramod Reddy, Parinitha Shivakumar, Varun Kumar Jain Tv, Rakshith M D, Manoj K R

Stairs Count and Zebra Crossing Distance Estimation for Visually Impaired Individuals 299
Swati Shilaskar, Shripad Bhatlawande, Parul Inamdar, Piyush Pandita, Pulkit

Classification of Voice Pathology Using Different Features and Bi-LSTM 305
Anilkumar V, R Venkata Siva Reddy

Sugeno/ Mamdani Interval Type II Fuzzy Logic Controller Based DSTATCOM with Controlled Load 309
Muhannad Drak Alsebai, Kishore Kumar Pedapenki

Design of Optimized and Energy Efficient 1-Bit Comparator 315
Ranjani Aruna A, Kamala J, Sahaana K, Priya M

A Novel Based Crop Prediction Using Machine Learning and Internet of Things 320
R. Bhargava Rama Gowd, Shilpa A N, Sridhar N, Niranjan L, K. Ezhilarasan, S. Sajithra Varun

Fabrication and Characterization of Nano Structured ZnO Thin Films for Gas Sensing Applications 325
Sthuthi A, K Naveen Kumar, Rutikesh A, Prasanna Kumar R, Sagar V, P Nitheesh

Implementation of Wearable Device for Monitoring Alzheimer's Patients 331
Sophiya Susan S, Ambika R, Deekshitha S M, Keerthana N M, Vandana K

A Novel Based NSEC System for Integrating Network Capability with Wireless Sensor Network Using Web Services 337
Husna Tabasum, Sam Gilvine Samuvel, Shilpa A N, Niranjan L, Sridhar N, Shwetha N

Automatic Early Detection of Dysarthria Using Deep Neural Network 343
Akshatha K, Lohith T N, Sonu Upendra Bhat, Sunil R, Chandrashekar H M

Design of Wide Bandpass Filter Using Planar Metal Strip Grating by Analyzing Dispersion Properties 347
Ranjitha S Y, M N Sujatha

Classification of ECG Arrhythmia Using a Convolution Neural Network 352
Reethunandh, Yashwanth H R, T Sai Venkata Sandeep, Subramanya Navada K R, H M Chandrashekar

Multi-Objectives Based Reliable Routing Algorithm for IoT Health Care 360
Raghavendra M, Sunitha N R

Efficient Artificial Intelligence-Teaching Assistant Based on ChatGPT 366
Yiqian Chen, Hanxi Deng, Chi-Hua Chen, Chan-Liang Chung

Multimodal Biometric System Using Alex Net Model 371
Yashavanth T R, Suresh M

Vehicle-To-Vehicle Communication Using RF Technology 375
Rashmi Rani Samantaray, Sufia Banu, Abdul Azeez, Bhoomika Cn, Kannan, Jayakrishna D

Multimodal Biometric Authentication 381
Pranathi S, A N Mukunda Rao, Sandhya H R, Inchara P N, Kanakareddy B, G Karthik Devadiga

Multiple Layer Security System to Access Encrypted Secure IP Streaming Videos Using Matlab 387
Rashmi Rani Samantaray, Nayana Hegde, Abdul Azeez

Bacterial Detection in Contaminated Water Using a Photonic Crystal Sensor 393
Ranjith B Gowda, Vilas T V, Komal G D, Venkatesh Badageri, Preeta Sharan, Ciro Rodriguez

Post-Quantum Cryptography Neural Network 398
Abel C. H. Chen

Vibration Signal Analysis of Induction Motor Bearing Faults: Some Aspects 404
Debayan Bhaumik, Abhishek Sadda, Gururaj S Punekar

Loss of Lock Characteristics of Global Positioning System Signals Under Ionospheric Scintillations at Guntur, India 408
Ram Kumar Vankadara, Sampad Kumar Panda

Performance Evaluation of Machine Learning Algorithms for Website Defacement Attack Detection 412
Atul Kumar, Ishu Sharma

Traffic Flow Prediction Method Based on Similarity Graph and Temporal Convolution Units 418
Hao Chen, Chi-Hua Chen

Realization of Free Space Optical Communication 421
Preksha T V, Gaganashree C, Shilpa S P, T N Chandrika

Impact of Al and Mn Doping on Structural and Electrical Properties of the Green Synthesized ZnO Nanoparticles 426
D. Savitha, Latha H. K. E, H. S. Lalithamba, Yogananda Vasudev Jeppu

Non-Invasive Detection of Breast Cancer Using Antipodal Vivaldi Antenna 432
N Kranthi Kumar, G Bhuvan, Sakthi Abirami, Devi Sowjanya P

$CsPbI_3$ Based Perovskite Solar Cells: ETL Parameters Optimization Using SCAPS-1D 437
Vishal Yadav, Rahul Pandey, Jaya Madan

Deep Learning-Based Braille Technology for Visual and Hearing Impaired People 441
Chellaswamy C, Geetha T S, Hariharan K, Dhelipan Raj A, Archana K, Babitharani S

Improved SRFT Controller Based Power Quality Improvement in EV Integrated Distribution System 449
Aswini Pentakota, Krishna Nag Arsavelli, S Ramana Kumar Joga

Investigation of $CH_3NH_3SnBr_3$ Perovskite as an Active Layer in PV Cells: SCAPS-1D Simulation and Thickness Optimization for Enhanced Efficiency 455
Savita Rawat, Jaya Madan, Rahul Pandey

A Study on Reinforced Support Vector Machine Classifier for Periodic and Aperiodic Scheduling in Networked Control Systems 459
K Varalakshmi, S. M. A. K. Azad

Anomaly Based IDS in Industrial IoT 463
Abhijeet Singh, Achyut Mishra, Ajit Antil, Bharat Bhushan, Anamika Chauhan

GSO-VGG-16 Model for Predicting Diabetic Retinopathy by Analysing Up-Sampled Gaussian Filtered Fundus Images 469
Saravanan Parthasarathy, Vaishnavi Jayaraman, Viji Vijayan

Design and Simulation of Low Noise Amplifier for Sub-6GHz 5G Application 475
Sateesh Kumar T R, Puneeth Kumar Tharehalli Rajanna, Deepika P N, Soniya S S, Yashaswini H M, Bhavyashree K V

A Deep Learning Approach for Detection and Classification of Ten Species of Monkeys 480
Rudresh Pillai, Rupesh Gupta, Neha Sharma, Rajesh Kumar Bansal

OFDM Transmission for Encrypted Images Based on 3D Chaotic Map and S-Box Through Fading Channel 486
Jenan Ayad, Fadhil Sahib Hasan, Alaa. H. Ali

Investigation of Power Flow Analysis in Networked Microgrids 492
Ankeshwarapu Sunil, Chintham Venkaiah

Hardware Acceleration Using SIMD Based Vector Processor Array to Enhance Performance of Deblurring Methods for CT and MRI Images Having Motion Blur Artifacts 498
Poonam Sharma, Ashwani Kumar Dubey, Ayush Goyal

Hands-Free Mouse Control Using Facial Feature 504
Pradeep Kumar S, Saket Agarwal, Daniyal Mustafa, Divyansh Kumar, Gautam Ranjan

Automated Text Summarizer Using Google Pegasus 510
Nalini N, Agrim Narayan, Akshay Mambakkam Sridharan, Arkon Pradhan

Identification of Suitable Machine Learning Or Deep Learning Algorithmfor Diabetic Retinopathy Detection 514
G Shraddha, Srikrishna S, Prajoona Valsalan, Sudiksha Bhat M, Jisha P

Investigating the Effectiveness of Free Space Optics in Central Indian State of Madhya Pradesh: A Performance Evaluation 520
Shubhojeet Roy, Atul Kumar Buchke

HDL Programming and Sequential Circuitry for Multi-Core RISC-V Processor 525
Anil Kumar D B, Bansilal Bairwa, Bhadriraju Vamsidath, Ujwal V, Tharun P, Tushaar Rao

Dual Band Dual Circularly Polarized Patch Antenna for Sub-6 and Wi-Fi Applications 531
Nandini H S, Preethi Reddy K R, Saniya Kousar S, Priya Darshini S, Manjunath M N

SIT-HANDS: A Novel RGB-D Dataset for Static Hand Gesture Recognition Using Kinect Sensor 536
Dayananda Kumar N. C, K. V Suresh, Sheela S. J, Dinesh R

A PF Improved LED Drive Using Modified Non-Bridged Cuk Converter 544
Tanmay Shukla, Aftab Ahmed Ansari, Anwar Ahamed Ansari

Dielectric Properties of Green Synthesized Sb:SnO_2 Nanoparticles 549
Chaitra C, H. M. Kalpana, C. M. Ananda, H. S. Lalithamba

Transformerless Dynamic Voltage Restorer Based on Switched Capacitor Multi Level Inverter and Interleaved Boost Converter 553
Akshayaa Dharmaraj, Kannabhiran Arumugam

Intelligent Battery Interfaced Solar PV Powered BLDC Motor Using ANN in MPPT and Regenerative Braking Concept 559
Bismit Mohanty, Sobhanjit Padhi, Siddhant Mishra

Forensic Investigation of Drone Malfunctions with Transformer 565
Arda Surya Editya, Tohari Ahmad, Hudan Studiawan

A Comparative Study of PID Controller and Artificial Neural Network for Load Frequency Control in Hydro Power Plant 570
Kanika, Tilak Thakur

A Closed-Form Solution to Estimate Parameters of Three-terminal Hybrid Transmission Lines 576
Vijay Saieesh Ats, O. D. Naidu, Nandiraju Venkata Srikanth

Post Quantum Implications on Private and Public Key Cryptography 582
Seema B. Hegde, Aayush Jamuar, Raghunath Kulkarni

A Review on Different Acoustic-Noise and Torque Ripple Lessening Techniques of Switched Reluctance Motor 588
N S Madhuri, Prabhu Sundaramoorthy, Arun Vijaykumar

A Novel UAPQC Device for Enhancing Power-Quality in Grid Connected PEV Charging Station 594
Anil Kumar Dharavatu, R. Srinu Naik

Using Elliptic Curve Cryptography for Homomorphic Hashing 601
Abel C. H. Chen

Synthesis and Characterization of Silver Nanoparticles for Gas Sensing Applications 606
Mala S, Lalithamba H S, Nagesh Gowda B, Manoja K N, Pavankumar R, Kishore T J

Intelligent Control Strategies for DC-DC Boost Converter: Performance Analysis and Optimization 612
Utsab Saha, Shakib Shahria, A. B. M. Harun-Ur Rashid

Design and Control of a 2kW Electric Vehicle Charger 618
Sushant Chaturvedi, Alka Singh

Experimental Design of Solar Powered Dynamic Wireless Charging of Electric Vehicle 624
Dileep Kumar Kohar, Akshaya Kumar Pati, Ananna Biswas

Comparative Study of 5G Wireless Technologies 629
Dhruva Kumar T, Bhavana T M, Dhanushree K, Govardhan K H, Hemanth D

Predictive Analysis of Energy Consumption and Electricity Demand Using Machine Learning Techniques 635
Ayush Thakur, K. A. Shukla, Ayush Choudhary, Jonathan Atrey

Intelligent Reflecting Surface Assisted Wireless Communication for Coverage Enhancement 641
Tejas K S, Udaykumar M, Varun R, Suhailkhan, Dhruva Kumar T

Classification of Healthy and Diseased Silkworms Using Ensemble Learning and CNN 647
P. S. Shilpashree, Asha Gowda Karegowda, K. V. Suresh, Leena Rani A

Simulation of Terahertz Communication in Vehicular Network 652
Aayush Jamuar, V M Aparanji

A Medical Chatbot with Object Detection Feature for Improved Patient Care 658
R Kumaraswamy, Sudhanva G R, Jeevan Gowda N, Kantharaju, Chandrashekharaiah R

Wireless Communication Using Autoencoder 664
Harshitha Y S, Bhuvan T S, Sowkhya G R, Rahul Kumar K N, Veena Karjigi

Solar Power Based Multipurpose Agriculture Robot with Leaf-Disease Detection 670
Ankit Kumar, Atirek Raj, Kshitiz Singh, Ritabrata Sarkar, B T Venkatesh Murthy

Automatic Classification of Sober/Drunk Through Iris Pattern Recognition 676
Sahil Singh, Riya Kumari, Suyash Shukla, Rishab Kumar, Nagaratna B Chittaragi

Blind-Aid: Empowering the Visually Impaired Using Artificial Intelligence and Image Processing 682
T C Mahalingesh, A Karthik, Banashankar K L, Basavaradya M C, Abhishek R

Design of MMIC Based Ka-Band Power Amplifier Using 0.15um GaN for Satellite Communication 686
B T Venkatesh Murthy, Adithya H P, Bindu K S, Kishan Gowda M, Prajwal D

IOT Based Lake Cleaning Machine-: Removal of Floating Objects 691
Pavan Bhargav V, K N Krishna Adiga, Madhu H, Suhas K N, G R Kiranmayi, Rohit Sharma

Underwater Surveillance Robot 695
Shobha S Goudar, P S Shilpashree, Dasangam Shabareswar, N N R S Vijay Kumar, Sanka Jyothi Swaroopa, Sathi Venkata Satyanarayana Reddy

LiDAR-Based Advanced Driver Assistance for Vehicles 701
Harshalatha Y, Nagesh M V, Navya G Hebbar, R Manasa, Naganagouda Kenchanagoudra

Performance Analysis of Underwater Images Enhancement Techniques 706
Viswanath K, Navya V, Abhilash G, Tanmay M, Tejas V

Millimeter-Wave Dielectric Resonator Antenna for Breast Tumor Detection 712
Usha L, Janhavi, Noushenn Banu, Sakina Banu, Sumana B M

Design and Implementation of BIST Architecture for Low Power VLSI Applications Using Verilog 716
Aadesh Gonda, Bharathi S. H

Deep Learning Technique Used for Tomato and Potato Plant Leaf Disease Classification and Detection 720
Amit Gupta, M. Senthil Kumar, M. Raman Kumar, D Hemanth Kumar

Cardiac Arrest Prediction Using Gradient Boosting Algorithm 726
M. Bhavya Sri, V. Priya Radhika, N. Praveena

Air Quality Prediction Based on Decision Tree Using Machine Learning 732
Soumyalatha Naveen, M. S. Upamanyu, Karun Chakki, Chandan M, P Hariprasad

Wireless Detection Systems Using Matrix-Oriented Diffusion 738
Akshatha Bhat, Lavanya M S, Niranjan L, Rakheeba Taseen, Haseeba Yaseen, N Shwetha

An Efficient Digital Cluster Scheme to Improve the Lifetime Ratio of Wireless Sensor Networks 744
Soni M, Akshatha Bhat, Sachin Aralikatti, Afroz Pasha, Niranjan L, Yousuf Madar R

Design and Implementation of Low Power-Novel Encoder Based Flash ADC 749
Arshiya Sadath, Deepa

Comparative Analysis of EEPL and CPL Techniques Using 2:1 Multiplexer Based on 18nm FinFET Technology 755
Gautam Rana, Kulbhushan Sharma

Author Index