



The Institution of Electronics and
Telecommunication Engineers

ISSN 0256-4602 (Print)
E-ISSN 0974-5971 (Online)

29

SB
9/2/2023

IETE Technical Review

Volume 39 No. 6 November-December 2022

<http://mc.manuscriptcentral.com/titr>

Subscriber Copy : Not for Resale
Cost per copy Rs 542 for Paid Subscribers

CONTENTS**Editorial**

- 1223 Internships: Bridging the Gap between College and Workplace
Mamidala Jagadesh Kumar

Review Articles

- 1225 Recent Advances on Control of Active Lower Limb Prostheses
Ivan Hernandez and Wen Yu
- 1245 Survey of Mathematical Expression Recognition for Printed and Handwritten Documents
Ridhi Aggarwal, Shilpa Pandey, Anil Kumar Tiwari and Gaurav Harit
- 1254 Design and Optimization of a Dual-Source Triple Gate FET Using Electrostatically Induced Reconfigurable Property
Antara Kundu, Priyanka Saha and Subir Kumar Sarkar
- 1265 A Comprehensive Survey on Certificateless Aggregate Signature in Vehicular Ad Hoc Networks
Eko Fajar Cahyadi and Min-Shiang Hwang
- 1277 On the Reliability of Industrial Internet of Things from Systematic Perspectives: Evaluation Approaches, Challenges, and Open Issues
Dong-Seong Kim, Tran-Dang Hoa and Huynh-The Thien
- 1309 Historical Developments and Recent Advances in High-power Magnetron: A Review
Patibandla Anilkumar, Dobbidi Pamu and Tapeswar Tiwari
- 1324 Plasma Waves Around Comets
Vipin K. Yadav

Articles

- 1355 Intelligent Fuzzy TIDF-II Controller for Load Frequency Control in Hybrid Energy System
Zaheeruddin, Kavita Singh and Mohammad Amir
- 1372 High-Performance Exploration of Buried Channel In_{0.53}Ga_{0.47}/InP Stepped Poly Gate MOSFET Using Asymmetric Underlap Gate Spacer
S. S. Mohanty, S. Mishra, M. Mohapatra and G. P. Mishra
- 1383 TCAD Investigation for Dual-Gate MISHEMT with Improved Linearity and Current Collapse for LNAs
Preeti Singh, Vandana Kumari, Manoj Saxena and Mridula Gupta
- 1395 Power-Aware Testing for Maximum Fault Coverage in Analog and Digital Circuits Simultaneously
Vivek Kumar Singh, Trupa Sarkar and Sambhu Nath Pradhan
- 1410 A Simulation Approach for Depletion and Enhancement Mode in β -Ga₂O₃ MOSFET
Pharyanshu Kachhawa and Nidhi Chaturvedi
- 1419 A New Model Reduction Technique for the Design of Controller by Using Moment Matching Algorithm
Arvind Kumar Prajapati and Rajendra Prasad
- 1441 Five-Level Switched Capacitor Inverter for Photovoltaic Applications
Ashutosh Kumar Singh, Rajib Kumar Mandal, Ravi Raushan and Ravi Anand
- 1449 An Enhanced Entity Model for Converting Relational to Non-Relational Documents in Hospital Management System Based on Cloud Computing
A. Samyadurai, K. Revathi, L. Karthikeyan, B. Vanathi and K. Devi
- 1463 Highly Sensitive Refractive Index-Based Sensor for DNA Hybridization Using Subwavelength Grating Waveguide
Rukmani Singh, Vishnu Priye and Devendra Chack
- 1473 An Enhanced RBMT: When RBMT Outperforms Modern Data-Driven Translators
Md. Adnanul Islam, Md. Saidul Hoque Anik and A. B. M. Alim Al Islam
- 1485 Assessment of Power System Security for Different Bus Systems through FVSI/RVSI and Fuzzy Logic Approaches
Swasti Bachan Panda and Sanjeeb Mohanty
- 1501 Circularly Polarised Dielectric Resonator based Two Port Filter for Millimeter-Wave 5G Communication System
Ashish Kumar, Ajay Kumar Dwivedi, K. N. Nagesh, Anand Sharma and Pinku Ranjan



13
9/2/2023