

## CONTENTS

## Editorial

- 737 Scanning the Issue  
*Shiban K Koul*

## Articles

- 740 2 Stages-region-based P300 Speller in Brain-Computer Interface  
*Zeki Oralhan*
- 749 A 1.8 V 8.62  $\mu$ W Inverter-based Gain-boosted OTA with 109.3 dB dc Gain for SC Circuits  
*Yajunath Kaliyath and Tonse Laxminidhi*
- 758 A Consumer-based Smart Home with Indoor Air Quality Monitoring System  
*Kailas Patil, Meena Laad, Aakash Kamble and Shivani Laad*
- 771 A Hybridized Fuzzy-Neural Predictive Intelligent (HFNPI) Modelling Approach-based Underlap FinFET Model  
*Savitesh M. Sharma, S. Dasgupta and M. V. Kartikeyan*
- 780 An Improved Fuzzy K-Nearest Neighbor Algorithm for Imbalanced Data using Adaptive Approach  
*Harshita Patel and G. S. Thakur*
- 790 Compact Unit-Cell-based Semi-Fractal Antenna with Filtering Properties of Interference Bands Embedded with CBP Strips  
*T. Sedghi*
- 796 Detection of Islanding and Fault Disturbances in Microgrid using Wavelet Packet Transform  
*Prakash K. Ray, Basanta K. Panigrahi, Pravat K. Rout, Asit Mohanty, Foo Y. S. Eddy and Hoay Beng Gooi*
- 810 Frequency Estimation of Sinusoidal Signals Using ASIQ-Rife Interpolation Method  
*Xinyu Dou and Huaqing Liang*
- 818 Joint Throughput Optimization for Multichannel Multiradio Multirate Wireless Network with Network Coding  
*G. Choi and W. Yoon*
- 827 Model Order Reduction by Using the Balanced Truncation and Factor Division Methods  
*Arvind Kumar Prajapati and Rajendra Prasad*
- 843 Modeling of DC-DC Converter Using Exact Feedback Linearization Method: A Discussion  
*Debanjana Bhattacharyya, Subhransu Padhee and Kishor Chandra Pati*
- 855 Optimal Partial Aggregation based Energy Delay Compromise Technique for Wireless Sensor Network  
*A. Raja Basha and C. Yaashuwanth*
- 872 Takagi-Sugeno Fuzzy-based CNF Control Approach Considering a Class of Constrained Nonlinear Systems  
*H. Ebrahimi Mollabashi, A. H. Mazinan and H. Hamidi*
- 887 Trellis-Coded Multilevel Coset Codes  
*Shang-Chih Ma*

