

International Journal of Electronics, Computing & Engineering Education

Volume 15 • Number 2 • July-December 2025

Contents



- Design and Realization of a Compact High-Frequency79-85
Band-Pass Filter with Low Insertion Loss Based on a
Combination of a Circular-Shaped Spiral Inductor,
Spiral Capacitor and Interdigital Capacitor
• *Ki-Hun Lee, Eun-Seong Kim, Jun-Ge Liang and Nam-Young Kim*
- Antenna Mutual Coupling Suppression Over87-96
Wideband Using Embedded Periphery Slot for Antenna Arrays
• *Mohammad Alibakhshikenari, Bal S. Virdee, Panchamkumar Shukla, Chan H. See,
Raed Abd-Alhameed, Mohsen Khalily, Francisco Falcone and Ernesto Limiti*
- VSG Stability and Coordination Enhancement under97-114
Emergency Condition
• *Aazim Rasool, Xiangwu Yan, Haaris Rasool, Hongxia Guo and Mansoor Asif*
- DC Gate Leakage Current Model Accounting for115-124
Trapping Effects in AlGaIn/GaN HEMTs
• *Raúl Rodríguez, Benito González, Javier García, Gaetan Toulon,
Frédéric Morancho and Antonio Núñez*
- A Prediction Methodology of Energy Consumption125-146
Based on Deep Extreme Learning Machine and
Comparative Analysis in Residential Buildings
• *Muhammad Fayaz and DoHyeun Kim*

