

Table of Contents

| | |
|---|----|
| An Efficient Spike Detection VLSI Architecture Based on Normalized Correlator <i>Wen-Jyi Hwang, Chun-Fu Lin, and Szu-Huai Wang</i> | 1 |
| COTS or Custom Made? Design Decisions for Industrial Control Systems <i>Falk Salewski</i> | 7 |
| Design Guidelines for Designing High Gain Patch Antenna in the Ku-band <i>Qasim Umar Khan and Mojeeb Bin Ihsan</i> | 13 |
| Filtering of Magnetic Noise Induced in Magnetometers by Motors of Micro-Rotary Aerial Vehicle <i>Nathan Unwin and Adam Postula</i> | 17 |
| Implementation and Comparison of Conventional and Ordering Based RO-PUFs for Secret Key Generation <i>Giray Komurcu, Ali Emre Pusane, and Gunhan Dunder</i> | 23 |
| Hopf Bifurcation Analysis and Implementation of Single Tunnel Diode Oscillator Circuit <i>Mustafa Fayez, Mohammad Awwad, and Hassan El-Hamouly</i> | 28 |
| Reconfigurable Hyper-Structures for Intrinsic Digital Circuit Evolution <i>Spyros Kazarlis, John Kalomiros, Vassilios Kalaitzis, Dimitrios Bogas, Paris Mastorokostas, Anastasios Balouktsis, and Vassilios Petridis</i> | 31 |
| Design and Implementation of a 94 GHz CMOS Down-Conversion Mixer for Image Radar Sensors <i>Yo-Sheng Lin, Chien-Chin Wang, Guo-Hao Li, and Jay-Min Liu</i> | 37 |