

International Journal of Electronics and Electrical Engineering

CONTENTS

Volume 3, Number 1, February 2015

Enhanced Energy Consumption Model for Digital Serial Interfaces in Embedded Systems	1
<i>Nithiyananthan. K and Nithya. S</i>	
The Growth and Impact of Information and Communication Technologies in Africa	7
<i>Isiaka A. Alimi and Jide J. Popoola</i>	
Propulsion System Design and Sizing of an Electric Vehicle.....	14
<i>Amir Ahmed and Dikki D. Bhutia</i>	
Design, Fabrication and Analysis of a 1.1 ghz Phase-Locked Loop Frequency Synthesizer for Wireless Communication Systems	19
<i>Jayanta Handique and Tulshi Bezboruah</i>	
Higher Order Statistical Techniques Analysis for Non-linear Systems Evaluation	24
<i>Saurabh Kumar Pandey, Chanchal Soni, and Anjali Gupta</i>	
Transient Stability Analysis of a Two-Machine Power System under Different Fault Clearing Times	28
<i>M. A. Salam, Nabilah S. Awang, and Quazi M. Rahman</i>	
PSPICE and MATLAB/SimElectronic Based Teaching of Linear Integrated Circuit: A New Approach.....	34
<i>Rajender Kumar and Krishan Kumar</i>	
Use of Extended Kalman Filter in Estimation of Attitude of a Nano-Satellite	38
<i>Sai Dheeraj Nadella</i>	
2-1, 2-2 and 2-1-1 MASH Delta-Sigma Modulator for 18-Bit Audio Digital to Analog Converter.....	44
<i>Olga Joy L. Gerasta, Kenneth Harvey P. Duque, and John David B. Mangali</i>	
Emerging Trends in Associative Classification Data Mining	50
<i>Neda Abdelhamid and Aladdin Ayesh, and Fadi Thabtah</i>	
IC Layout Design of Decoder Using Electric VLSI Design System	54
<i>Soh Hong Teen, Li Li Lim, and Jia Hui Lim</i>	
A 3.5 GHz Low-Noise Amplifier in 0.35 μ m GaN HEMT on Si-Substrate for WiMAX Applications.....	61
<i>Hsuan-ling Kao, Bai-Hong Wei, and Yi-Chun Lee</i>	
Design of a 8-bits Digitally Controlled Oscillator with Low Power Consumption	66
<i>Qichao Zha, Tiejun Lu, Jianhui Zhang, and Yu Zong</i>	
Photovoltaic Based Three-Phase Three-Wire SAF for Significant Energy Conservation	71
<i>G. Vijayakumar and R. Anita</i>	

Reduction of PAPR of OFDM Symbols Using Modified Narahashi and Nojima Phasing Sequences.....80

Vallavaraj Athinarayanan and Brian G Stewart