INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING

February 2011

Papers

Volume 18, No. 1

CONTENTS

Applications of the Piecewise Line	ar Parallel Branches	Model to the Analysis	s of Partial

Shading of Photovoltaic Module	Yaw-Juen Wang and Po-Chun Hsu 1
Operating Schedule of a Battery Energy Storage	e System in a Renewable Energy Based
Time-of-use Rate Industrial User: A Novel D	Pirect Search Approach
Chun-Lung Chen, Chia-Liang Lu, V	Ven-Yu Fu, Jeng-Fu Wu and Kuo-Kuang Jen 9
Performance Comparison between Two Inter-C	ell Interference Coordination Schemes for
OFDMA Downlink Systems	
The Optimal Portfolio of the Day-Ahead Marke	et and Real-Time Market for Load Serving
Entities	Rong-Ceng Leou
A Capacitor-Less Fast-Transient Low-Dropout	Regulator with Mismatch Comparator
Control for Portable Electronic Products	
Short Paper	
Gain Enhancement Design of Planar Compact	Dipole Array for Wi-Fi/WiBro Access

INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING

April 2011

Volume 18, No. 2

CONTENTS

m				
\boldsymbol{r}	\boldsymbol{a}	n	0	PS
•	•••	и		

An Acoustic and Articulatory Knowledge Integrated Method for Improving Synthetic
Mandarin Speech Fluency
Theoretical Study of Dark Current Characteristics of Quantum Wire Infrared
Photodetectors using a New Mathematical Model
Performances of Block Matrix Scheme for OFDM Systems without Cyclic Prefix
Jung-Lang Yu, Mei-Chen Lee and Chia-Hao Che 63
Transmittance and Reflectance of EM Gaussian Pulse from Vibrating Half-Space of
Lossless MediumMingtsu Ho, Yung-Chin Lin, Yao-Han Chen, Wen-Chiang Lin 73
Improving the Protective Coordination of Overcurrent Relays in Subtransmission Networks
with a Practical and Effective Approach.
Ying Lu, Jarm-Long Chung and Chyun Lee, Chih-Ju Chou and Wen-Shiow Kao 83