

TABLE OF CONTENTS

Volume 2 Number 1

January 2010

Evaluation of Downlink Performance of a Multiple-Cell, Rake Receiver Assisted CDMA Mobile System

- A. J. BAMISAYE, M. O. KOLAWOLE..... 1

Simulation Study of the Influence of the Hidden and Exposed Stations for the Efficiency of IEEE 802.15.4 LR-WPAN Networks

- D. KOŚCIELNIK..... 7

VLSI Implementation for Low Noise Power Efficiency Cellular Communication Systems

- R. MACK, M. RIZKALLA, P. SALAMA, M. EL-SHARKAWY..... 18

Realization of the Linear Tree that Corresponds to a Fundamental Loop Matrix

- J. P. QIAN, P. Y. WOO..... 31

A Method for Rapid Matching Based on Second Order Partial Derivative

- H. Y. YU, Z. Q. ZHOU, Z. F. ZHAO, X. L. QIAO..... 37

A New Algorithm of Self Organization in Wireless Sensor Network

- H. K. KALITA, A. KAR..... 43

Signal Classification Method Based on Support Vector Machine and High-Order Cumulants

- X. ZHOU, Y. WU, B. YANG..... 48

Model of Real Time Architecture for Data Placement in Wireless Sensor Networks

- S. GUPTA, M. DAVE..... 53

Fault Diagnosis Based on Graph Theory and Linear Discriminant Principle in Electric Power Network

- Y. G. ZHANG, Q. MA, J. F. ZHANG, J. MA, Z. P. WANG..... 62

Comparison of Correlation Dimension and Fractal Dimension in Estimating BIS index

- B. AHMADI, R. AMIRFATTAHI..... 67

Agent-Oriented Architecture for Ubiquitous Computing in Smart Hyperspace

- Y. C. JIN, R. C. WANG, H. P. HUANG, L. J. SUN..... 74

Research on the Security Monitoring of the Amusement Ride of Tourist Sites Based on RFID

- J. SHANGGUAN, Y. C. LV, M. ZHANG..... 85