



THE RADIO ELECTRONICS
ASSOCIATION OF VIETNAM



IEEE
COMMUNICATIONS
SOCIETY
Vietnam Chapter

REV JOURNAL ON ELECTRONICS AND COMMUNICATIONS

<http://www.rev-jec.org>

Vol. 1, No. 2, April – June, 2011

TABLE OF CONTENTS

REGULAR ARTICLES

Design and Simulation of Measurement-Based Correlation Models for Shadow Fading	80
..... <i>Matthias Pätzold, Nurilla Avazov, and Van Duc Nguyen</i>	
Design, Simulation, and Performance Analysis of an INS/GPS System using Parallel	88
Kalman Filters Structure	
..... <i>Tran Duc-Tan, Paul Fortier, and Huu-Tue Huynh</i>	
Quantization Error Correction Schemes for Lattice-Reduction Aided MIMO Detectors	97
..... <i>Tien Duc Nguyen, Tadashi Fujino, and Xuan Nam Tran</i>	
Gram-Schmidt Combined LLL Lattice-Reduction Aided Detection in MIMO Systems	106
..... <i>Tadashi Fujino</i>	
ACO-Based Multi-User Detection in Cooperative CDMA Networks	115
..... <i>Ali Jafarnia Jahromi and Mohammad T. Abdizadeh</i>	
An Efficient Architecture of Forward Transforms and Quantization for H.264/AVC Codecs	122
..... <i>Xuan-Tu Tran and Van-Huan Tran</i>	
Dual Band-Notched UWB Antenna based on Electromagnetic Band Gap Structures	130
..... <i>Son Trinh-Van and Chien Dao-Ngoc</i>	