

TABLE OF CONTENTS

Volume 3 Number 1

February 2012

A Multiresolution Channel Decomposition for H.264/AVC Unequal Error Protection

- R. Abbadi, J. El Abbadi.....1

Feature Extraction Techniques of Non-Stationary Signals for Fault Diagnosis in Machinery Systems

- C.-C. Wang, Y. Kang.....16

Non-Statistical Multi-Beamformer

- N. Yilmazer, W. Choi, T. Sarkar, S. Bhumkar.....26

Neural Network Based Order Statistic Processing Engines

- M. S. Unluturk, J. Saniie.....30

Retinal Identification System Based on the Combination of Fourier and Wavelet Transform

- M. Sabaghi, S. R. Hadianamrei, M. Fattahi, M. R. Kouchaki, A. Zahedi.....35

An Improved Signal Segmentation Using Moving Average and Savitzky-Golay Filter

- H. Azami, K. Mohammadi, B. Bozorgtabar.....39

Illumination Invariant Face Recognition Using Fuzzy LDA and FFNN

- B. Bozorgtabar, H. Azami, F. Noorian.....45

Using Two Levels DWT with Limited Sequential Search Algorithm for Image Compression

- M. M. Siddeq.....51

Interactive Kalman Filtering for Differential and Gaussian Frequency Shift Keying Modulation with Application in Bluetooth

- M. N. Ali, M. A. Zohdy.....63

An Analytical Algorithm for Scattering Type Determination under Different Weather Conditions

- F. E. M. Al-Obaidi, A. A. D. Al-Zuky, A. M. Al-Hillou.....77

A New Method for Fastening the Convergence of Immune Algorithms Using an Adaptive Mutation Approach

- M. Abo-Zahhad, S. M. Ahmed, N. Sabor, A. F. Al-Ajlouni.....86

A Hybrid De-Noising Method on LASCA Images of Blood Vessels

- C. Wu, N. Y. Feng, K. Harada, P. C. Li.....92

A New Fast Iterative Blind Deconvolution Algorithm

- M. F. Fahmy, G. M. A. Raheem, U. S. Mohamed, O. F. Fahmy.....98

An Improved Image Denoising Method Based on Wavelet Thresholding

H. Om, M. Biswas.....109

Automation of Fingerprint Recognition Using OCT Fingerprint Images

N. Akbari, A. Sadr.....117

Efficient Hardware/Software Implementation of LPC Algorithm in Speech Coding Applications

M. Atri, F. Sayadi, W. Elhamzi, R. Tourki.....122

Face Recognition Systems Using Relevance Weighted Two Dimensional Linear Discriminant Analysis Algorithm

H. Ahmed, J. Mohamed, Z. Noureddine.....130

The figure on the front cover is from the article published in Journal of Signal and Information Processing, 2012, Vol. 3, No. 1, pp. 122-129 by Mohamed Atri, Fatma Sayadi, Wajdi Elhamzi and Rached Tourki.