

TABLE OF CONTENTS

Volume 3 Number 3

August 2012

Rapid Algorithm for Independent Component Analysis

- R. Yokote, Y. Matsuyama..... 275

Genetic Algorithm for the Design of Optimal IIR Digital Filters

- R. Singh, S. K. Arya..... 286

A Low Sample Size Estimator for K Distributed Noise

- E. X. Alban, M. E. Magaña, H. Skinner..... 293

Continuously Variable Bandwidth Sharp FIR Filters with Low Complexity

- J. T. George, E. Elias..... 308

Design of RLS Wiener Smoother and Filter for Colored Observation Noise in Linear Discrete-Time Stochastic Systems

- S. Nakamori..... 316

An Efficient Nonuniform Cosine Modulated Filter Bank Design Using Simulated Annealing

- S. Dhabal, P. Venkateswaran..... 330

Non-Stationary Signal Segmentation and Separation from Joint Time-Frequency Plane

- A. A. Alshehri..... 339

Design of Sharp 2D Multiplier-Less Circularly Symmetric FIR Filter Using Harmony Search Algorithm and Frequency Transformation

- M. Manuel, E. Elias..... 344

Performance Evaluation of Complex Wavelet Packet Modulation (CWPM) System over Multipath Rayleigh Fading Channel

- H. N. Abdullah, F. S. Hasan..... 352

A New Image Denoising Scheme Using Soft-Thresholding

- H. Om, M. Biswas..... 360

Real-Time Static Hand Gesture Recognition for American Sign Language (ASL) in Complex Background

- J. R. Pansare, S. H. Gawande, M. Ingle..... 364

Video Compression USING a New Active Mesh Based Motion Compensation Algorithm in Wavelet Sub-Bands

M. H. Bisjerdi, A. Behrad.....368

Robust Non-Fragile Control of 2-D Discrete Uncertain Systems: An LMI Approach

P. Sharma, A. Dhawan.....377

A Storage Architecture for High Speed Signal Processing: Embedding RAID 0 on FPGA

N. X. Sun, Q. Z. Wu, Z. J. Jin.....382

On Segmentation of Moving Objects by Integrating PCA Method with the Adaptive Background Model

N. Emadeldeen, M. Jedra, N. Zahid.....387

Development of Application Specific Continuous Speech Recognition System in Hindi

Gaurav, D. S. Deiv, G. K. Sharma, M. Bhattacharya.....394

Roadmap for Establishing Interoperability of Heterogeneous Cellular Network Technologies -2-

H. Neji, R. Bouallegue.....402

A New Algorithm for Automatic Double Bright Fringe of Multiple-Beam Fizeau Fringe Skeletonization Using Fourier Transform Method of Fringe Pattern Analysis

M. A. EL-Morsy.....412

The figure on the front cover is from the article published in Journal of Signal and Information Processing, 2012, Vol. 3, No. 3, pp. 387-393 by Noureldaim Emadeldeen, Mohammed Jedra and Noureldeen Zahid.