

International Journal of Signal Processing Systems

CONTENTS

Volume 4, Number 1, February 2016

Electronics and Communications

Spread Spectrum Using Chirp Modulated RF Pulses for Incoherent Sampling Compressive Sensing MRI.....	1
<i>Sulaiman A. AL Hasani, Gary F. Egan, and Jingxin Zhang</i>	
Design of Higher Order Digital IIR Low Pass Filter Using Hybrid Differential Evolution.....	6
<i>D. S. Sidhu, J. S. Dhillon, and Dalveer Kaur</i>	
BER Performance Analysis of a New Hybrid Relay Selection Protocol.....	13
<i>Khalid Mohamed Alajel</i>	
Real-Time, Simultaneous Multi-Channel Data Acquisition System with No Time Skews between Input Channels	17
<i>Fatemeh Zahedi and Zahra Zahedi</i>	
Generalization of Some CFAR Detectors for MIMO Radars.....	22
<i>Mohamed Baadeche, Faouzi. Soltani, and Amar Mezache</i>	
Parameter Identification and Temperature Compensation of Quartz Flexible Accelerometer Based on Total Least Squares.....	27
<i>Ling Liao and Qiang Li</i>	
Source Separation for Arbitrary Array Configuration in the Presence of Spatial Aliasing	32
<i>Masashi Sekikawa and Nozomu Hamada</i>	

Image Processing and Speech Recognition

Wavelet Decomposition in Laplacian Pyramid for Image Fusion	37
<i>I. S. Wahyuni and R. Sabre</i>	
A New Image Contrast Enhancement in Fuzzy Property Domain Plane for a True Color Images	45
<i>A. A. H. Mohamad</i>	
Novel Online Tools for Automatic Generation of Pronouncing Dictionaries in Mexican Spanish for Speech Processing.....	51
<i>Carlos D. Hernández-Mena and Abel Herrera-Camacho</i>	
Effect of Speech Compression on the Automatic Recognition of Emotions	55
<i>A. Albahri, M. Lech, and E. Cheng</i>	

Medical Signal Processing

Classification of Respiratory Diseases Using Respiratory Sound Analysis	62
<i>R. K. Sawant and A. A. Ghatol</i>	
Analyzing EEG Signals Using Graph Entropy based Principle Component Analysis and J48 Decision Tree	67
<i>Shuaifang Wang, Yan Li, Pen Wen, and Guohun Zhu</i>	

Medical Image Retrieval Using Fuzzy Connectedness Image Segmentation and Geometric Moments.....	73
<i>Amol P. Bhagat and Mohammad Atique</i>	
Analysis of Biceps Brachii Muscles in Dynamic Contraction Using sEMG Signals and Multifractal DMA Algorithm	79
<i>K. Marri and R. Swaminathan</i>	