

## TABLE OF CONTENTS

<b>Volume 4 Number 3</b>	<b>August 2013</b>
<b>Time-Varying Bandpass Filter Based on Assisted Signals for AM-FM Signal Separation: A Revisit</b>	
G. L. Xu, X. T. Wang, X. G. Xu, L. J. Zhou, L. M. Shao.....	229
<b>Boosted Vehicle Detection Using Local and Global Features</b>	
C. T. Lin, S.-C. Hsu, J.-F. Lee, C.-T. Yang.....	243
<b>Exploration and Cooperation Robotics on the Moon</b>	
M. Alfraheed, A. O. Al-Zaghameem.....	253
<b>Spatial Image Watermarking by Error-Correction Coding in Gray Codes</b>	
T. Kimoto.....	259
<b>Generalized Parseval's Theorem on Fractional Fourier Transform for Discrete Signals and Filtering of LFM Signals</b>	
X. T. Wang, G. L. Xu, Y. Ma, L. J. Zhou, L. T. Wang.....	274
<b>Quantitative Convergence for Cerebral Processing of Information within the Geomagnetic Environment</b>	
M. A. Scott, M. A. Persinger.....	282
<b>Track-to-Track Association Technique in Radar Network in the Presence of Systematic Errors</b>	
J. Yang, Q. Song, C. W. Qu, Y. He.....	288
<b>Depth-Aided Tracking Multiple Objects under Occlusion</b>	
A. T. Tran, K. Harada.....	299
<b>Application of PDE and Mathematical Morphology in the Extraction Validation of the Roads</b>	
F. Leonardi, V. S. Santiago, C. D. Chaves, E. A. da Silva.....	308
<b>Single-Channel Speech Enhancement Using Critical-Band Rate Scale Based Improved Multi-Band Spectral Subtraction</b>	
N. Upadhyay, A. Karmakar.....	314
<b>Depth Based View Synthesis Using Graph Cuts for 3DTV</b>	
A. T. Tran, K. Harada.....	327
<b>Parametrically Optimal, Robust and Tree-Search Detection of Sparse Signals</b>	
A. T. Burrell, P. Papantoni-Kazakos.....	336

---

The figure on the front cover is from the article published in Journal of Signal and Information Processing, 2013, Vol. 4, No. 3, pp. 253-258 by Mohammad Alfraheed and Abdullah O. Al-Zaghameem.