

## TABLE OF CONTENTS

Volume 2 Number 4

November 2011

<b>New Formulas for Irregular Sampling of Two-Bands Signals</b>	
B. Lacaze.....	253
<b>On Development of Fuzzy Controller: The Case of Gaussian and Triangular Membership Functions</b>	
V. O. S. Olunloyo, A. M. Ajofoyinbo, O. Ibidapo-Obe.....	257
<b>Fast Algorithm for DOA Estimation with Partial Covariance Matrix and without Eigendecomposition</b>	
J. F. Chen, Y. T. Wu, H. Cao, H. Wang.....	266
<b>The Study of Multi-Expression Classification Algorithm Based on Adaboost and Mutual Independent Feature</b>	
L. Y. Lang, Z. T. Hu.....	270
<b>A New Partitioning Method in Frequency Analysis of the Retinal Images for Human Identification</b>	
M. Sabaghi, S. R. Hadianamrei, A. Zahedi, M. N. Lahiji.....	274
<b>Simple Human Gesture Detection and Recognition Using a Feature Vector and a Real-Time Histogram Based Algorithm</b>	
I. Gómez-Conde, D. Olivieri, X. A. Vila, S. Orozco-Ochoa.....	279
<b>Least Squares Matrix Algorithm for State-Space Modelling of Dynamic Systems</b>	
J. T. Olkkonen, H. Olkkonen.....	287
<b>LMI Approach to Suboptimal Guaranteed Cost Control for 2-D Discrete Uncertain Systems</b>	
A. Dhawan, H. Kar.....	292
<b>Study on Digitization of TCM Diagnosis Applied Extraction Method of Blood Vessel</b>	
C. Wu, K. Harada.....	301
<b>A Dyadic Wavelet Filtering Method for 2-D Image Denoising</b>	
Y. G. Zhu, X. L. Yang.....	308
<b>Fast Encoding-Decoding of 3D Hyperspectral Images Using a Non-Supervised Multimodal Compression Scheme</b>	
M. Lahdir, A. Nait-ali, S. Ameer.....	316
<b>A Wavelet Spectrum Technique for Machinery Fault Diagnosis</b>	
D. Kanneg, W. Wang.....	322
<b>High Accuracy Time of Flight Measurement Using Digital Signal Processing Techniques for Subsea Applications</b>	
M. Ashraf, H. Qayyum.....	330
<b>A New Method of Voiced/Unvoiced Classification Based on Clustering</b>	
M. Radmard, M. Hadavi, M. M. Nayebi.....	336

---

The figure on the front cover is from the article published in the *Journal of Signal and Information Processing*, 2011, Vol. 2, No. 4, pp. 316-321 by Mourad Lahdir, *et al.*