# Contents

**A Review of Unsupervised Spectral Target Analysis for Hyperspectral Imagery**, Chein-I Chang, Xiaoli Jiao, Chao-Cheng Wu, Yingzi Du, and Mann-Li Chang
Volume 2010, Article ID 503752, 26 pages

**Subinteger Range-Bin Alignment Method for ISAR Imaging of Noncooperative Targets**, J. M. Muñoz-Ferreras and F. Pérez-Martínez
Volume 2010, Article ID 438615, 16 pages

**Investigating the Bag-of-Words Method for 3D Shape Retrieval**, Xiaolan Li and Afzal Godil
Volume 2010, Article ID 108130, 9 pages

**Optical Flow and Principal Component Analysis-Based Motion Detection in Outdoor Videos**, Kui Liu, Qian Du, He Yang, and Ben Ma
Volume 2010, Article ID 680623, 6 pages

**Shape Analysis of 3D Head Scan Data for U.S. Respirator Users**, Ziqing Zhuang, Dennis E. Slice, Stacey Benson, Stephanie Lynch, and Dennis J. Viscusi
Volume 2010, Article ID 248954, 10 pages

**A Conditional Entropy-Based Independent Component Analysis for Applications in Human Detection and Tracking**, Chin-Teng Lin, Linda Siana, Yu-Wen Shou, and Tzu-Kuei Shen
Volume 2010, Article ID 468329, 14 pages

**Objective Assessment of Sunburn and Minimal Erythema Doses: Comparison of Noninvasive In Vivo Measuring Techniques after UVB Irradiation**, Min-Wei Huang, Pei-Yu Lo, and Kuo-Sheng Cheng
Volume 2010, Article ID 483562, 7 pages

**Robust Real-Time Background Subtraction Based on Local Neighborhood Patterns**, Ariel Amato, Mikhail G. Mozerov, F. Xavier Roca, and Jordi Gonzàlez
Volume 2010, Article ID 901205, 7 pages

**Improving Density Estimation by Incorporating Spatial Information**, Laura M. Smith, Matthew S. Keegan, Todd Wittman, George O. Mohler, and Andrea L. Bertozzi
Volume 2010, Article ID 265631, 12 pages

**Adaptive Inverse Hyperbolic Tangent Algorithm for Dynamic Contrast Adjustment in Displaying Scenes**, Cheng-Yi Yu, Yen-Chieh Ouyang, Chuin-Mu Wang, and Chein-I Chang
Volume 2010, Article ID 485151, 20 pages

**Multi-Threshold Level Set Model for Image Segmentation**, Chih-Yu Hsu, Chih-Hung Yang, and Hui-Ching Wang
Volume 2010, Article ID 950438, 8 pages

**An Interactive Procedure to Preserve the Desired Edges during the Image Processing of Noise Reduction**, Chih-Yu Hsu, Hsuan-Yu Huang, and Lin-Tsang Lee
Volume 2010, Article ID 923748, 13 pages

**Full Waveform Analysis for Long-Range 3D Imaging Laser Radar**, Andrew M. Wallace, Jing Ye, Nils J. Krichel, Aongus McCarthy, Robert J. Collins, and Gerald S. Buller
Volume 2010, Article ID 896708, 12 pages

**Facial Recognition in Uncontrolled Conditions for Information Security**, Qinghan Xiao and Xue-Dong Yang
Volume 2010, Article ID 345743, 9 pages

**Iris Recognition: The Consequences of Image Compression**, Robert W. Ives, Daniel A. Bishop, Yingzi Du, and Craig Belcher
Volume 2010, Article ID 680845, 9 pages

**Scale Invariant Gabor Descriptor-based Noncooperative Iris Recognition**, Yingzi Du, Craig Belcher, and Zhi Zhou
Volume 2010, Article ID 936512, 13 pages

**A Multifactor Extension of Linear Discriminant Analysis for Face Recognition under Varying Pose and Illumination**, Sung Won Park and Marios Savvides
Volume 2010, Article ID 158395, 11 pages

**Unconstrained Iris Acquisition and Recognition Using COTS PTZ Camera**, Shreyas Venugopalan and Marios Savvides
Volume 2010, Article ID 938737, 20 pages

**Fusion of PCA-Based and LDA-Based Similarity Measures for Face Verification**, Mohammad T. Sadeghi, Masoumeh Samiei, and Josef Kittler
Volume 2010, Article ID 647597, 12 pages

**A Robust Iris Identification System Based on Wavelet Packet Decomposition and Local Comparisons of the Extracted Signatures**, Florence Rossant, Beata Mikovicova, Mathieu Adam, and Maria Trocan
Volume 2010, Article ID 415307, 16 pages

**The Complete Gabor-Fisher Classifier for Robust Face Recognition**, Vitomir Štruc and Nikola Pavešić
Volume 2010, Article ID 847680, 26 pages

**Multiclient Identification System Using Adaptive Probabilistic Model**, Chin-Teng Lin, Linda Siana, Yu-Wen Shou, and Chien-Ting Yang
Volume 2010, Article ID 983581, 15 pages

**Comparing an FPGA to a Cell for an Image Processing Application**, Ryan N. Rakvic, Hau Ngo, Randy P. Broussard, and Robert W. Ives
Volume 2010, Article ID 764838, 7 pages