Part 2. Wavelet Applications
Transfer Colors from CVHD to MRI Based on Wavelets Transform
X. Tian, X. Li, Y. Sun and Z. Tang................................. 381

Medical Image Fusion by Multi-resolution Analysis
of Wavelets Transform
X. Li, X. Tian, Y. Sun and Z. Tang................................. 389

Salient Building Detection from a Single Nature Image
via Wavelet Decomposition
Y. Qu, C. Li, N. Zheng, Z. Yuan and C. Ye.................... 397

SAR Images Despeckling via Bayesian Fuzzy Shrinkage Based
on Stationary Wavelet Transform
Y. Wu, X. Wang and G. Liao................................. 407

Super-Resolution Reconstruction Using Haar Wavelet Estimation
C.S. Tong and K.T. Leung................................. 419

The Design of Hilbert Transform Pairs
in Dual-Tree Complex Wavelet Transform
F. Yan, L. Cheng and H. Wang................................. 431

Supervised Learning Using Characteristic Generalized Gaussian Density
and Its Application to Chinese Materia Medica Identification
S.K. Choy and C.S. Tong................................. 443

A Novel Algorithm of Singular Points Detection for Fingerprint Images
T. Tan and J. Huang................................. 453

Wavelet Receiver: A New Receiver Scheme for Doubly-Selective Channels
G. Shi and S. Peng................................. 463

Face Retrieval with Relevance Feedback Using Lifting Wavelets Features
C.F. Wong, J. Zhu, M.I. Vai, P.U. Mak and W. Ye................ 477

High-Resolution Image Reconstruction Using Wavelet Lifting Scheme
S. Pei, H. Feng and M. Du................................. 489

Multiresolution Spatial Data Compression Using Lifting Scheme
B. Pradhan, K. Sandeep, S. Mansor, A.R. Ramli and A.R.B.M. Sharif... 503

Ridgelet Transform as a Feature Extraction Method
in Remote Sensing Image Recognition
Y. Ren, S. Wang, S. Yang and L. Jiao................................. 515

Analysis of Frequency Spectrum for Geometric Modeling
in Digital Geometry
Z. Cai, H. Ma, W. Sun and D. Qi................................. 525
Detection of Spindles in Sleep EEGs Using a Novel Algorithm Based on the Hilbert-Huang Transform

Z. Yang, L. Yang and D. Qi.......................... 543

A Wavelet-Domain Hidden Markov Tree Model with Localized Parameters for Image Denoising

M. Yang, Z. Xiao and S. Peng......................... 561