

1. Record Nr.	UNISA996465326603316
Titolo	Wavelet Analysis and Its Applications [[electronic resource] ] : Second International Conference, WAA 2001, Hong Kong, China, December 18-20, 2001. Proceedings // edited by Yuan Y. Tang, Victor Wickerhauser, Pong C. Yuen, Chun-hung Li
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-45333-4
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (XIV, 458 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2251
Disciplina	515/.2433
Soggetti	Coding theory Information theory Mathematical analysis Analysis (Mathematics) Application software Multimedia information systems Optical data processing Coding and Information Theory Analysis Computer Applications Multimedia Information Systems Information Systems Applications (incl. Internet) Image Processing and Computer Vision
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Presentations -- Personal Identification in Real-Time by Wavelet Analysis of Iris Patterns -- Hybrid Representations of Audiophonic Signals -- Singularity Detection from Autocovariance via Wavelet Packets -- Image Compression and Coding -- Empirical Evaluation of Boundary Policies for Wavelet-Based Image Coding -- Image-Feature Based Second Generation Watermarking in Wavelet Domain -- A Study on Preconditioning Multiwavelet Systems for Image

Compression -- Reduction of Blocking Artifacts in Both Spatial Domain and Transformed Domain -- Simple and Fast Subband De-blocking Technique by Discarding the High Band Signals -- A Method with Scattered Data Spline and Wavelets for Image Compression -- Video Coding and Processing -- A Wavelet-Based Preprocessing for Moving Object Segmentation in Video Sequences -- Embedded Zerotree Wavelet Coding of Image Sequence -- Wavelet-Based Video Compression Using Long-Term Memory Motion-Compensated Prediction and Context-Based Adaptive Arithmetic Coding -- Wavelets and Fractal Image Compression Based on Their Self—Similarity of the Space-Frequency Plane of Images -- Theory -- Integration of Multivariate Haar Wavelet Series -- An Application of Continuous Wavelet Transform in Differential Equations -- Stability of Biorthogonal Wavelet Bases in  $L^2(\mathbb{R})$  -- Characterization of Dirac Edge with New Wavelet Transform -- Wavelet Algorithm for the Numerical Solution of Plane Elasticity Problem -- Three Novel Models of Threshold Estimator for Wavelet Coefficients -- The PSD of the Wavelet-Packet Modulation -- Orthogonal Multiwavelets with Dilation Factor  $a$  -- Image Processing -- A Wavelet-Based Image Indexing, Clustering, and Retrieval Technique Based on Edge Feature -- Wavelet Applications in Segmentation of Handwriting in Archival Documents -- Wavelet Packets for Lighting-Effects Determination -- Translation-Invariant Face Feature Estimation Using Discrete Wavelet Transform -- Text Extraction Based on Nonlinear Frame -- A Wavelet Multiresolution Edge Analysis Method for Recovery of Depth from Defocused Images -- Construction of Finite Non-separable Orthogonal Filter Banks with Linear Phase and Its Application in Image Segmentation -- Mixture-State Document Segmentation Using Wavelet-Domain Hidden Markov Tree Models -- Some Experiment Results on Feature Analyses of Stroke Sequence Free Matching Algorithms for On-Line Chinese Character Recognition -- Automatic Detection Algorithm of Connected Segments for On-line Chinese Character Recognition -- Signal Processing -- Speech Signal Deconvolution Using Wavelet Filter Banks -- A Proposal of Jitter Analysis Based on a Wavelet Transform -- Skewness of Gabor Wavelets and Source Signal Separation -- The Application of the Wavelet Transform to Polysomnographic Signals -- Wavelet Transform Method of Waveform Estimation for Hilbert Transform of Fractional Stochastic Signals with Noise -- Multiscale Kalman Filtering of Fractal Signals Using Wavelet Transform -- General Analytic Construction for Wavelet Low-Passed Filters -- A Design of Automatic Speech Playing System Based on Wavelet Transform -- General Design of Wavelet High-Pass Filters from Reconstructional Symbol -- Realization of Perfect Reconstruction Non-uniform Filter Banks via a Tree Structure -- Set of Decimators for Tree Structure Filter Banks -- Set of Perfect Reconstruction Non-uniform Filter Banks via a Tree Structure -- Systems and Applications -- Joint Time-Frequency Distributions for Business Cycle Analysis -- The Design of Discrete Wavelet Transformation Chip -- On the Performance of Informative Wavelets for Classification and Diagnosis of Machine Faults -- A Wavelet-Based Ammunition Doppler Radar System -- The Application of Wavelet Analysis Method to Civil Infrastructure Health Monitoring -- Piecewise Periodized Wavelet Transform and Its Realization, Properties and Applications -- Wavelet Transform and Its Application to Decomposition of Gravity Anomalies -- Computations of Inverse Problem by Using Wavelet in Multi-layer Soil -- Wavelets Approach in Choosing Adaptive Regularization Parameter -- DNA Sequences Classification Based on Wavelet Packet Analysis -- The Application of the Wavelet Transform to the Prediction of Gas Zones --

