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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 4478
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Soggetti	Artificial intelligence Computer graphics Computer vision
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Robust Automatic Speech Recognition Using PD-MEEMLIN -- Shadow Resistant Road Segmentation from a Mobile Monocular System -- Mosaicking Cluttered Ground Planes Based on Stereo Vision -- Fast Central Catadioptric Line Extraction -- Similarity-Based Object Retrieval Using Appearance and Geometric Feature Combination -- Real-Time Facial Expression Recognition for Natural Interaction -- A Simple But Effective Approach to Speaker Tracking in Broadcast News -- Region-Based Pose Tracking -- Testing Geodesic Active Contours -- Rate Control Algorithm for MPEG-2 to H.264/AVC Transcoding -- 3-D Motion Estimation for Positioning from 2-D Acoustic Video Imagery -- Progressive Compression of Geometry Information with Smooth Intermediate Meshes -- Rejection Strategies Involving Classifier Combination for Handwriting Recognition -- Summarizing Image/Surface Registration for 6DOF Robot/Camera Pose Estimation -- Robust Complex Salient Regions -- Improving Piecewise-Linear Registration Through Mesh Optimization -- Registration-Based

Segmentation Using the Information Bottleneck Method -- Dominant Points Detection Using Phase Congruence -- Exploiting Information Theory for Filtering the Kadir Scale-Saliency Detector -- False Positive Reduction in Breast Mass Detection Using Two-Dimensional PCA -- A Fast and Robust Iris Segmentation Method -- Detection of Lung Nodule Candidates in Chest Radiographs -- A Snake for Retinal Vessel Segmentation -- Risk Classification of Mammograms Using Anatomical Linear Structure and Density Information -- A New Method for Robust and Efficient Occupancy Grid-Map Matching -- Vote-Based Classifier Selection for Biomedical NER Using Genetic Algorithms -- Boundary Shape Recognition Using Accumulated Length and Angle Information -- Extracting Average Shapes from Occluded Non-rigid Motion -- Automatic Topological Active Net Division in a Genetic-Greedy Hybrid Approach -- Using Graphics Hardware for Enhancing Edge and Circle Detection -- Optimally Discriminant Moments for Speckle Detection in Real B-Scan Images -- Influence of Resampling and Weighting on Diversity and Accuracy of Classifier Ensembles -- A Hierarchical Approach for Multi-task Logistic Regression -- Modelling of Magnetic Resonance Spectra Using Mixtures for Binned and Truncated Data -- Atmospheric Turbulence Effects Removal on Infrared Sequences Degraded by Local Isoplanatism -- Inference of Stochastic Finite-State Transducers Using N-Gram Mixtures -- Word Spotting in Archive Documents Using Shape Contexts -- Fuzzy Rule Based Edge-Sensitive Line Average Algorithm in Interlaced HDTV Sequences -- A Tabular Pruning Rule in Tree-Based Fast Nearest Neighbor Search Algorithms -- A General Framework to Deal with the Scaling Problem in Phrase-Based Statistical Machine Translation -- Recognizing Individual Typing Patterns -- Residual Filter for Improving Coding Performance of Noisy Video Sequences -- Cyclic Viterbi Score for Linear Hidden Markov Models -- Non Parametric Classification of Human Interaction -- A Density-Based Data Reduction Algorithm for Robust Estimators -- Robust Estimation of Reflectance Functions from Polarization -- Estimation of Multiple Objects at Unknown Locations with Active Contours -- Analytic Reconstruction of Transparent and Opaque Surfaces from Texture Images -- Sedimentological Analysis of Sands -- Catadioptric Camera Calibration by Polarization Imaging -- Stochastic Local Search for Omnidirectional Catadioptric Stereovision Design -- Dimensionless Monocular SLAM -- Improved Camera Calibration Method Based on a Two-Dimensional Template -- Relative Pose Estimation of Surgical Tools in Assisted Minimally Invasive Surgery -- Efficiently DOWndating, Composing and Splitting Singular Value Decompositions Preserving the Mean Information -- On-Line Classification of Human Activities -- Data-Driven Jacobian Adaptation in a Multi-model Structure for Noisy Speech Recognition -- Development of a Computer Vision System for the Automatic Quality Grading of Mandarin Segments -- Mathematical Morphology in the HSI Colour Space -- Improving Background Subtraction Based on a Casuistry of Colour-Motion Segmentation Problems -- Random Forest for Gene Expression Based Cancer Classification: Overlooked Issues -- Bounding the Size of the Median Graph -- When Overlapping Unexpectedly Alters the Class Imbalance Effects -- A Kernel Matching Pursuit Approach to Man-Made Objects Detection in Aerial Images -- Anisotropic Continuous-Scale Morphology -- Three-Dimensional Ultrasonic Assessment of Atherosclerotic Plaques -- Measuring the Applicability of Self-organization Maps in a Case-Based Reasoning System -- Algebraic-Distance Minimization of Lines and Ellipses for Traffic Sign Shape Localization -- Modeling Aceto-White Temporal Patterns to Segment Colposcopic Images -- Speech/Music

Classification Based on Distributed Evolutionary Fuzzy Logic for Intelligent Audio Coding -- Breast Skin-Line Segmentation Using Contour Growing -- New Measure for Shape Elongation -- Evaluation of Spectral-Based Methods for Median Graph Computation -- Feasible Application of Shape-Based Classification -- 3D Shape Recovery with Registration Assisted Stereo Matching -- Blind Estimation of Motion Blur Parameters for Image Deconvolution -- Dependent Component Analysis: A Hyperspectral Unmixing Algorithm -- Synchronization of Video Sequences from Free-Moving Cameras -- Tracking the Left Ventricle in Ultrasound Images Based on Total Variation Denoising -- Bayesian Oil Spill Segmentation of SAR Images Via Graph Cuts -- Unidimensional Multiscale Local Features for Object Detection Under Rotation and Mild Occlusions.
