1.	Record Nr.	UNISA996465607403316
	Titolo	Image Analysis and Recognition [[electronic resource]] : 7th International Conference, ICIAR 2010, Póvoa de Varzin, Portugal, June 21-23, 2010, Proceedings, Part I / / edited by Aurélio Campilho, Mohamed Kamel
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
	ISBN	1-280-38732-7 9786613565242 3-642-13772-5
	Edizione	[1st ed. 2010.]
	Descrizione fisica	1 online resource (XI, 460 p. 239 illus.)
	Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 6111
	Disciplina	621.36
	Soggetti	Application software Computer programming Computer engineering Optical data processing Artificial intelligence Pattern recognition Computer Applications Programming Techniques Computer Engineering Image Processing and Computer Vision Artificial Intelligence Pattern Recognition
	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	Image Morphology, Enhancement and Restoration -- PageRank Image Denoising -- Structural Similarity-Based Approximation of Signals and Images Using Orthogonal Bases -- A Neighborhood Dependent Nonlinear Technique for Color Image Enhancement -- Queue and Priority Queue Based Algorithms for Computing the Quasi-distance

Transform -- Denoising of Three Dimensional Data Cube Using Bivariate Wavelet Shrinking -- Entropy of Gabor Filtering for Image Quality Assessment -- Segmentation Based Noise Variance Estimation from Background MRI Data -- Morphological Thick Line Center Detection -- Image Segmentation -- Segmentation of Very High Resolution Remote Sensing Imagery of Urban Areas Using Particle Swarm Optimization Algorithm -- Image Segmentation under Occlusion Using Selective Shape Priors -- Fusion of Edge Information in Markov Random Fields Region Growing Image Segmentation -- Image Segmentation for Robots: Fast Self-adapting Gaussian Mixture Model -- Adaptive Regularization Parameter for Graph Cut Segmentation -- Feature Extraction and Pattern Recognition -- A New SVM + NDA Model for Improved Classification and Recognition -- Incremental Hybrid Approach for Unsupervised Classification: Applications to Visual Landmarks Recognition -- Nonlinear Scale Space Theory in Texture Classification Using Multiple Classifier Systems -- The Proof of Completeness of the Graph Method for Generation of Affine Moment Invariants -- Computer Vision -- A Novel Human Motion Recognition Method Based on Eigenspace -- Human Body Pose Estimation from Still Images and Video Frames -- 3D Human Action Recognition Using Model Segmentation -- Image-Based Grasping Point Detection Using Boosted Histograms of Oriented Gradients -- Efficient Methods for Point Matching with Known Camera Orientation -- Real-Time Scale Invariant 3D Range Point Cloud Registration -- On-Board Monocular Vision System Pose Estimation through a Dense Optical Flow -- Shape, Texture and Motion Analysis -- II-LK – A Real-Time Implementation for Sparse Optical Flow -- High Accuracy Optical Flow Method Based on a Theory for Warping: 3D Extension -- Improving Accuracy of Optical Flow of Heeger's Original Method on Biomedical Images -- Shape Reconstruction from Unorganized Set of Points -- Significantly Improving Scan-Based Shape Representations Using Rotational Key Feature Points -- An Experimental Comparison of Seven Shape Descriptors in the General Shape Analysis Problem -- Generic Initialization for Motion Capture from 3D Shape -- Topology Preserving 3D Thinning Algorithms Using Four and Eight Subfields -- Coding, Indexing and Retrieval -- Robust Approaches to 3D Object Secret Sharing -- A Fast PDE Algorithm Using Adaptive Matching Scan Order for Real-Time Video Coding -- New Non Predictive Wavelet Based Video Coder: Performances Analysis -- 3D Texton Spaces for Color-Texture Retrieval -- A Geometric Data Structure Applicable to Image Mining and Retrieval -- SIA: Semantic Image Annotation Using Ontologies and Image Content Analysis -- Face Detection and Recognition -- Using the Fisher-Rao Metric to Compute Facial Similarity -- Adaptation of SIFT Features for Robust Face Recognition -- Facial Expression Recognition Using Spatiotemporal Boosted Discriminatory Classifiers -- Recognition of Facial Expressions by Cortical Multi-scale Line and Edge Coding -- The Analysis of Facial Beauty: An Emerging Area of Research in Pattern Analysis -- System and Analysis Used for a Dynamic Facial Speech Deformation Model -- Face Recognition from Color Images Using Sparse Projection Analysis -- Face Detection in Low-Resolution Color Images.