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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 9217
Disciplina	006.6 006.37
Soggetti	Optical data processing Pattern recognition Biometrics (Biology) Computer graphics Artificial intelligence Application software Image Processing and Computer Vision Pattern Recognition Biometrics Computer Graphics Artificial Intelligence Information Systems Applications (incl. Internet)
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Nota di contenuto	3D Shapes Isometric Deformation Using In-tSNE -- 3D Visual Comfort Assessment via Sparse Coding -- A Combination Method of Edge Detection and SVM Filtering for License Plate Extraction -- A Comparative Study of Saliency Aggregation for Salient Object Detection -- A Digital Watermarking Algorithm for Trademarks Based on U System -- A Fast and Accurate Iris Segmentation Approach -- A Fast Edge Detection Model in Presence of Impulse Noise -- A Foreground

Extraction Method by Using Multi-Resolution Edge Aggregation
Algorithm -- A Generalized Additive Convolution Model for Efficient
Deblurring of Camera Shaken Image -- A High Dynamic Range
Microscopic Video System -- A Learning Classes-Based No-Reference
Image Quality Assessment Algorithm Using Natural Scenes Statistics --
A Locality Preserving Approach for Kernel PCA -- A Method for
Tracking Vehicles under Occlusion Problem -- A Method of Facial
Animation Retargeting Based on Motion Capture -- A Modified Fourier
Descriptor for Shape-Based Image Recognition -- A Multiple Image
Group Adaptation Approach for Event Recognition in Consumer Videos
-- A Multi-Scale SAR Scene Matching Algorithm Based on Compressed
Contour Feature -- A New Approach for Orthogonal Representation of
Lunar Contour Maps -- A New Method of Object Saliency Detection in
Foggy Images -- A New Optimization Algorithm for HEVC -- A New
Radiation Correction Method for Remote Sensing Images Based on
Change Detection -- A New Supervised Manifold Learning Algorithm --
A Nonlocal Based Two-Step Method Applied to MRI Brain Image
Segmentation -- A Non-Seed-Based Region Growing Algorithm for
High Resolution Remote Sensing Image Segmentation -- A Novel
Control Point Dispersion Method for Image Registration Robust to Local
Distortion -- A Novel FOD Classification System Based on Visual
Features -- A Novel Fusion Method of Infrared and Visible Images
Based on Non-sampled Contourlet Transform -- A Novel Improved
Binarized Normed Gradients Based Objectness Measure through the
Multi-Feature Learning -- A Novel Method 3D Gait Curve for Human
Identification -- A Novel Method for Barcode Detection and Recognition
in Complex Scenes -- A Novel Method for Predicting Facial Beauty
under Unconstrained Condition -- A Novel NSCT Fusion Algorithm for
Images Based on CS and DWNMF -- Novel Prediction Algorithm in
Gaussian-Mixture Probability Hypothesis Density Filter for Target
Tracking -- A Point in Non-Convex Polygon Location Problem Using the
Polar Space Subdivision in E2 -- A Research of Forest Fire Detection
Based on the Video Compression -- A Reversible Data Hiding Scheme
Using Ordered Cluster-Based VQ Index Tables for Complex Images --
A Stroke Width Based Parameter-Free Document Binarization Method --
A Style Transformation Method for Printed Chinese Characters -- A
Unified Fidelity Optimization Model for Global Color Transfer -- A
Vision-Based Method for Parking Space Surveillance and Parking Lot
Management -- A Well-behaved TV Logo Recognition Method Using
Heuristic Optimality Checked Basis Pursuit Denoising -- An Automatic
Landmark Localization Method for 2D and 3D Face -- An Improved
Fiber Tracking Method for Crossing Fibers -- An Iterative Method for
Gastroscopic Image Registration -- An Optimized Scheme to
Generating Support Structure for 3D Printing -- An Outlier Removal
Method by Statistically Analyzing Hypotheses for Geometric Model
Fitting -- Photon Shooting with Programmable Scalar Contribution
Function -- Real-Time locating Method for Palmvein Image Acquisition
-- Real-Time Panoramic Image Mosaic via Harris Corner Detection on
FPGA -- Real-Time Robust Video Stabilization Based on Empirical Mode
Decomposition and Multiple Evaluation Criteria -- Real-time
Underwater Image Contrast Enhancement through Guided Filtering --
Recent Progress of Structural Variations Detection Algorithms Based on
Next-Generation Sequencing: A Survey -- Recognition of in-Air
Handwritten Chinese Character Based on Leap Motion Controller --
Robust and Real Time Lane Marking Detection for Embedded System --
Robust Contour Tracking via Constrained Separate Tracking of Location
and Shape -- Robust Face Hallucination via Similarity Selection and
Representation -- Single Remote Sensing Image Haze Removal Based

on Spatial and Spectral Self-adaptive Model -- Small Infrared Target Detection Based on Low-Rank Representation -- Sophisticated Tracking Framework with Combined Detector -- The Research of Long Time Occlusion Problem Based on Object Permanence -- The Segmentation Interventricular Septum from MR Images -- Two-Stage Learning to Robust Visual Track via CNNs -- Undersampled Dynamic MRI Reconstruction by Double Sparse Spatiotemporal Dictionary -- Underwater Image Deblurring and Colour Correction -- Video Based Face Tracking and Animation -- Video Stabilization via Piecewise Linear L1 Optimization for Airship Earth Observation.

Sommario/riassunto

This book constitutes the refereed conference proceedings of the 8th International Conference on Image and Graphics, ICIG 2015 held in Tianjin, China, in August 2015. The 164 revised full papers and 6 special issue papers were carefully reviewed and selected from 339 submissions. The papers focus on various advances of theory, techniques and algorithms in the fields of images and graphics.
