1. Record Nr. UNINA9910484517403321

Titolo	Computer vision--ECCV 2008 : 10th European Conference on Computer Vision, Marseille, France, October 12-18, 2008 : proceedings / / David Forsyth, Philip Torr and Andrew Zisserman (editors)
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [2008] ©2008
ISBN	3-540-88688-5
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XIX, 851 p.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 5303
Disciplina	006.37
Soggetti	Data mining Optical data processing Computer graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	People -- Floor Fields for Tracking in High Density Crowd Scenes -- The Naked Truth: Estimating Body Shape Under Clothing -- Temporal Surface Tracking Using Mesh Evolution -- Faces -- Grassmann Registration Manifolds for Face Recognition -- Facial Expression Recognition Based on 3D Dynamic Range Model Sequences -- Face Alignment Via Component-Based Discriminative Search -- Improving People Search Using Query Expansions -- Poster Session II -- Fast Automatic Single-View 3-d Reconstruction of Urban Scenes -- Fourier Analysis of the 2D Screened Poisson Equation for Gradient Domain Problems -- Anisotropic Geodesics for Perceptual Grouping and Domain Meshing -- Regularized Partial Matching of Rigid Shapes -- Compressive Sensing for Background Subtraction -- Robust 3D Pose Estimation and Efficient 2D Region-Based Segmentation from a 3D Shape Prior -- Linear Time Maximally Stable Extremal Regions -- Efficient Edge-Based Methods for Estimating Manhattan Frames in Urban Imagery -- Multiple Component Learning for Object Detection -- A Probabilistic Approach to Integrating Multiple Cues in Visual Tracking -- Fast and Accurate Rotation Estimation on the 2-Sphere without Correspondences -- A Lattice-Preserving Multigrid Method for Solving

the Inhomogeneous Poisson Equations Used in Image Analysis -- SMD: A Locally Stable Monotonic Change Invariant Feature Descriptor -- Finding Actions Using Shape Flows -- Cross-View Action Recognition from Temporal Self-similarities -- Window Annealing over Square Lattice Markov Random Field -- Unsupervised Classification and Part Localization by Consistency Amplification -- Simultaneous Visual Recognition of Manipulation Actions and Manipulated Objects -- Active Contour Based Segmentation of 3D Surfaces -- What Is a Good Nearest Neighbors Algorithm for Finding Similar Patches in Images? -- Learning for Optical Flow Using Stochastic Optimization -- Region-Based 2D Deformable Generalized Cylinder for Narrow Structures Segmentation -- Pose Priors for Simultaneously Solving Alignment and Correspondence -- Latent Pose Estimator for Continuous Action Recognition -- Relevant Feature Selection for Human Pose Estimation and Localization in Cluttered Images -- Determining Patch Saliency Using Low-Level Context -- Edge-Preserving Smoothing and Mean-Shift Segmentation of Video Streams -- Deformed Lattice Discovery Via Efficient Mean-Shift Belief Propagation -- Local Statistic Based Region Segmentation with Automatic Scale Selection -- A Comparative Analysis of RANSAC Techniques Leading to Adaptive Real-Time Random Sample Consensus -- Video Registration Using Dynamic Textures -- Hierarchical Support Vector Random Fields: Joint Training to Combine Local and Global Features -- Scene Segmentation Using the Wisdom of Crowds -- Optimization of Symmetric Transfer Error for Sub-frame Video Synchronization -- Shape-Based Retrieval of Heart Sounds for Disease Similarity Detection -- Learning CRFs Using Graph Cuts -- Feature Correspondence Via Graph Matching: Models and Global Optimization -- Event Modeling and Recognition Using Markov Logic Networks -- Illumination and Person-Insensitive Head Pose Estimation Using Distance Metric Learning -- 2D Image Analysis by Generalized Hilbert Transforms in Conformal Space -- An Efficient Dense and Scale-Invariant Spatio-Temporal Interest Point Detector -- A Graph Based Subspace Semi-supervised Learning Framework for Dimensionality Reduction -- Online Tracking and Reacquisition Using Co-trained Generative and Discriminative Trackers -- Statistical Analysis of Global Motion Chains -- Active Image Labeling and Its Application to Facial Action Labeling -- Real Time Feature Based 3-D Deformable Face Tracking -- Rank Classification of Linear Line Structure in Determining Trifocal Tensor -- Learning Visual Shape Lexicon for Document Image Content Recognition -- Unsupervised Structure Learning: Hierarchical Recursive Composition, Suspicious Coincidence and Competitive Exclusion -- Contour Context Selection for Object Detection: A Set-to-Set Contour Matching Approach -- Tracking -- Robust Object Tracking by Hierarchical Association of Detection Responses -- Improving the Agility of Keyframe-Based SLAM -- Articulated Multi-body Tracking under Egomotion -- Robust Real-Time Visual Tracking Using Pixel-Wise Posteriors.

Sommario/riassunto

The four-volume set comprising LNCS volumes 5302/5303/5304/5305 constitutes the refereed proceedings of the 10th European Conference on Computer Vision, ECCV 2008, held in Marseille, France, in October 2008. The 243 revised papers presented were carefully reviewed and selected from a total of 871 papers submitted. The four books cover the entire range of current issues in computer vision. The papers are organized in topical sections on recognition, stereo, people and face recognition, object tracking, matching, learning and features, MRFs, segmentation, computational photography and active reconstruction. .