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	Soggetti	Pattern recognition
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	Nota di contenuto	Learning and Classification -- MAP-Inference for Highly-Connected Graphs with DC-Programming -- Approximate Parameter Learning in Conditional Random Fields: An Empirical Investigation -- Simple Incremental One-Class Support Vector Classification -- A Multiple Kernel Learning Approach to Joint Multi-class Object Detection -- Fast Generalized Belief Propagation for MAP Estimation on 2D and 3D Grid-Like Markov Random Fields -- Boosting for Model-Based Data Clustering -- Improving the Run-Time Performance of Multi-class Support Vector Machines -- Sliding-Windows for Rapid Object Class

Localization: A Parallel Technique -- A Performance Evaluation of Single and Multi-feature People Detection -- Tracking -- Model-Based Motion Capture for Crash Test Video Analysis -- Efficient Tracking as Linear Program on Weak Binary Classifiers -- A Comparison of Region Detectors for Tracking -- Combining Densely Sampled Form and Motion for Human Action Recognition -- Recognition and Tracking of 3D Objects -- Medical Image Processing and Segmentation -- Segmentation of SBFSEM Volume Data of Neural Tissue by Hierarchical Classification -- Real-Time Neighborhood Based Disparity Estimation Incorporating Temporal Evidence -- A Novel Approach for Detection of Tubular Objects and Its Application to Medical Image Analysis -- Weakly Supervised Cell Nuclei Detection and Segmentation on Tissue Microarrays of Renal Clear Cell Carcinoma -- A Probabilistic Segmentation Scheme -- Using Eigenvalue Derivatives for Edge Detection in DT-MRI Data -- Space-Time Multi-Resolution Banded Graph-Cut for Fast Segmentation -- Combination of Multiple Segmentations by a Random Walker Approach -- Audio, Speech and Handwriting Recognition -- Automatic Detection of Learnability under Unreliable and Sparse User Feedback -- Novel VQ Designs for Discrete HMM On-Line Handwritten Whiteboard Note Recognition -- Switching Linear Dynamic Models for Noise Robust In-Car Speech Recognition -- Natural Language Understanding by Combining Statistical Methods and Extended Context-Free Grammars -- Multiview Geometry and 3D-Reconstruction -- Photoconsistent Relative Pose Estimation between a PMD 2D3D-Camera and Multiple Intensity Cameras -- Implicit Feedback between Reconstruction and Tracking in a Combined Optimization Approach -- 3D Body Scanning in a Mirror Cabinet -- On Sparsity Maximization in Tomographic Particle Image Reconstruction -- Resolution Enhancement of PMD Range Maps -- A Variational Model for the Joint Recovery of the Fundamental Matrix and the Optical Flow -- Motion and Matching -- Decomposition of Quadratic Variational Problems -- A Variational Approach to Adaptive Correlation for Motion Estimation in Particle Image Velocimetry -- Optical Rails -- Postprocessing of Optical Flows Via Surface Measures and Motion Inpainting -- An Evolutionary Approach for Learning Motion Class Patterns -- Relative Pose Estimation from Two Circles -- Staying Well Grounded in Markerless Motion Capture -- An Unbiased Second-Order Prior for High-Accuracy Motion Estimation -- Physically Consistent Variational Denoising of Image Fluid Flow Estimates -- Convex Hodge Decomposition of Image Flows -- Image Analysis -- Image Tagging Using PageRank over Bipartite Graphs -- On the Relation between Anisotropic Diffusion and Iterated Adaptive Filtering -- Comparing Local Feature Descriptors in pLSA-Based Image Models -- Example-Based Learning for Single-Image Super-Resolution -- Statistically Optimal Averaging for Image Restoration and Optical Flow Estimation -- Deterministic Defuzzification Based on Spectral Projected Gradient Optimization -- Learning Visual Compound Models from Parallel Image-Text Datasets -- Measuring Plant Root Growth -- A Local Discriminative Model for Background Subtraction -- Perspective Shape from Shading with Non-Lambertian Reflectance -- The Conformal Monogenic Signal.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 30th Symposium of the German Association for Pattern Recognition, DAGM 2008, held in Munich, Germany, in June 2008. The 53 revised full papers were carefully reviewed and selected from 136 submissions. The papers are organized in topical sections on learning and classification, tracking, medical image processing and segmentation, audio, speech and handwriting recognition, multiview geometry and 3D-reconstruction, |