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Altri autori (Persone)	Blanc-TalonJacques <1962-> PhilipsWilfried PopescuDan <1955-> ScheundersPaul
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Technovision -- Evaluation of Interest Point Detectors for Non-planar, Transparent Scenes -- On the Evaluation of Segmentation Methods for Wildland Fire -- 2D Face Recognition in the IV2 Evaluation Campaign -- Background Subtraction Techniques: Systematic Evaluation and Comparative Analysis -- Fundamental Mathematical Techniques -- Kolmogorov Superposition Theorem and Wavelet Decomposition for Image Compression -- Theorems Relating Polynomial Approximation, Orthogonality and Balancing Conditions for the Design of Nonseparable Bidimensional Multiwavelets -- Mixtures of Normalized Linear Projections -- A New Feasible Approach to Multi-dimensional Scale Saliency -- Attributed Graph Matching Using Local Descriptions -- A Template Analysis Methodology to Improve the Efficiency of Fast Matching Algorithms -- Enhanced Low-Resolution Pruning for Fast Full-Search Template Matching -- A Novel Approach to Geometric Fitting of Implicit Quadrics -- Two-Level Bimodal Association for Audio-Visual Speech Recognition -- Level Set-Based Fast Multi-phase Graph Partitioning Active Contours Using Constant Memory -- Image Processing, Coding and Filtering -- Image Quality Assessment Based on Edge-Region Information and Distorted Pixel for JPEG and JPEG2000 -- Fast Multi Frames Selection Algorithm Based on Macroblock Reference Map for H.264/AVC -- Highlight Removal from Single Image -- Parameter Estimation in Bayesian Super-Resolution Image Reconstruction from Low Resolution Rotated and Translated Images -- A New Approach to Sparse Image Representation Using MMV and K-SVD -- 3D Filtering of Colour Video Sequences Using Fuzzy Logic and Vector Order Statistics -- A Performance Comparison of Deconvolution Algorithms on Transmission Terahertz Images -- Content-Based Annotation of User Generated Videos on a Mobile Platform -- Dynamic Texture Extraction and Video Denoising -- Image and Video Analysis -- Unsupervised Detection of Gradual Video Shot Changes with Motion-Based False Alarm Removal -- VISRET – A Content Based Annotation, Retrieval and Visualization Toolchain -- Combination of Attributes in Stereovision Matching for Fish-Eye Lenses in Forest Analysis -- Image Categorization Using ESFS: A New Embedded Feature Selection Method Based on SFS -- Pattern Analysis for an Automatic and Low-Cost 3D Face Acquisition Technique -- Bayesian Pressure Snake for Weld Defect Detection -- Parallel Blob Extraction Using the Multi-core Cell Processor -- Quality Fusion Rule for Face Recognition in Video -- Computer Vision -- Decorrelation and Distinctiveness Provide with Human-Like Saliency -- Intelligent Vision: A First Step – Real Time Stereovision -- Engineering of Computer Vision Algorithms Using Evolutionary Algorithms -- Shape Recognition by Voting on Fast Marching Iterations -- Unusual Activity Recognition in Noisy Environments -- Real-Time Center Detection of an OLED Structure -- Comparing Feature Matching for Object Categorization in Video Surveillance -- Self Organizing and Fuzzy Modelling for Parked Vehicles Detection -- Rapid Detection of Many Object Instances -- Concealed Object Perception and Recognition Using a Photometric Stereo Strategy -- Tracking -- Tracking 3D Orientation through Corresponding Conics -- Parallel Region-Based Level Set Method with Displacement Correction for Tracking a Single Moving Object -- Lane Detection and Tracking Using a Layered Approach -- Temporal Templates for Detecting the Trajectories of Moving Vehicles -- Robust Detection and Tracking of Moving Objects in Traffic Video Surveillance -- Vehicle Tracking Using Geometric Features -- Object Tracking by Non-overlapping Distributed Camera Network -- Relational Dynamic Bayesian Networks to Improve Multi-target Tracking -- Multiple Human Tracking in High-Density Crowds -- 3D Face Alignment via Cascade 2D

Shape Alignment and Constrained Structure from Motion -- Color, Multispectral and Special-Purpose Imaging -- Carotenoid Concentration of Arctic Charr (*Salvelinus Alpinus* L.) from Spectral Data -- Quality of Reconstructed Spectrum for Watermarked Spectral Images Subject to Various Illumination Conditions -- Compression of Remote Sensing Images for the PROBA-V Satellite Mission -- Estimating Color Signal at Different Correlated Color Temperature of Daylight -- Local Color Descriptor for Object Recognition across Illumination Changes -- A New Method for Segmentation of Images Represented in a HSV Color Space -- Radar Imager for Perception and Mapping in Outdoor Environments -- Phantom-Based Point Spread Function Estimation for Terahertz Imaging System -- Advanced Vision Processing Systems: Spike-Based Simulation and Processing -- Medical Imaging -- Self-assessed Contrast-Maximizing Adaptive Region Growing -- Convex Hull-Based Feature Selection in Application to Classification of Wireless Capsule Endoscopic Images -- Pattern Analysis of Dermoscopic Images Based on FSCM Color Markov Random Fields -- Biometrics -- A 3D Statistical Facial Feature Model and Its Application on Locating Facial Landmarks -- Behavioral State Detection of Newborns Based on Facial Expression Analysis -- Supervised Face Recognition for Railway Stations Surveillance -- Person's Recognition Using Palmprint Based on 2D Gabor Filter Response -- Retina Identification Based on the Pattern of Blood Vessels Using Angular and Radial Partitioning.

Sommario/riassunto

This book constitutes the refereed proceedings of the 11th International Conference on Advanced Concepts for Intelligent Vision Systems, ACIVS 2009, held in Bordeaux, France in September/October 2009. The 43 revised full papers and 25 posters presented were carefully reviewed and selected from 115 submissions. The papers are organized in topical sections on technovision, fundamental mathematical techniques, image processing, coding and filtering, image and video analysis, computer vision, tracking, color, multispectral and special-purpose imaging, medical imaging, and biometrics.
