

# 《机械视觉、成像处理和图形分析进展》

## 图书基本信息

书名：《机械视觉、成像处理和图形分析进展 Advances in machine vision, image processing, and pattern analysis》

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## 内容概要

This book constitutes the refereed proceedings of the International Workshop on Intelligent Computing in Pattern Analysis/Synthesis, IWICPAS 2006, held in Xi'an, China in August 2006 as a satellite workshop of the 18th International Conference on Pattern Recognition, ICPR 2006. The volumes present together a total of 51 revised full papers and poster papers selected from about 264 submissions. The papers are organized in topical sections on object detection, tracking and recognition, pattern representation and modeling, visual pattern modeling, image processing, compression and coding and texture analysis/synthesis.

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## 书籍目录

Object Detection, Tracking and Recognition Robust Tracking with and Beyond Visible Spectrum: A Four-Layer Data Fusion Framework Scale Space Based Grammar for Hand Detection Combined Classifiers for Action Recognition Adaptive Sparse Vector Tracking Via Online Bayesian Learning Iterative Division and Correlograms for Detection and Tracking of Moving Objects Human Pose Estimation from Polluted Silhouettes Using Sub-manifold Voting Strategy Kernel Modified Quadratic Discriminant Function for Facial Expression Recognition 3D Motion from Image Derivatives Using the Least Trimmed Square Regression Motion and Gray Based Automatic Road Segment Method MGARS in Urban Traffic Surveillance A Statistically Selected Part-Based Probabilistic Model for Object Recognition Approximate Vehicle Waiting Time Estimation Using Adaptive Video-Based Vehicle Tracking Mouth Region Localization Method Based on Gaussian Mixture Model Traffic Video Segmentation Using Adaptive-K Gaussian Mixture Model EM-in-M: Analyze and Synthesize Emotion in MotionPattern Representation and Modeling Discriminant Transform Based on Scatter Difference Criterion in Hidden Space Looking for Prototypes by Genetic Programming Identifying Single Good Clusters in Data Sets A New Simplified Gravitational Clustering Method for Multi-prototype Learning Based on Minimum Classification Error Training Speaker Identification and Verification Using Support Vector Machines and Sparse Kernel Logistic Regression Monitoring Abnormal Patterns with Complex Semantics over ICU Data Streams Spatial-temporal Analysis Method of Plane Circuits Based on Two-Layer Cellular Neural Networks Feature-Based Synchronization of Video and Background Music Visual Pattern Modeling An Integration Concept for Vision-Based Object Handling: Shape-Capture, Detection and Tracking ..... Visual Pattern ModelingImage ProcessingCompression and CodingTexture Analysis and SynthesisAuthor Index

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