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Pattern Recognition

7th Chinese Conference, CCPR 2016
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Proceedings, Part I

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Preface

Welcome to the proceedings of the 7th Chinese Conference on Pattern Recognition (CCPR 2016), which was held in Chengdu! Over the past decade, CCPR had been hosted by Beijing (2007, 2008, and 2012), Nanjing (2009), Chongqing (2010), and Changsha (2014) with great success. After the emergence of the Asian Conference on Pattern Recognition (ACPR) in 2011, CCPR and ACPR started being held on alternating years since 2012, making CCPR a biennial conference ever since.

Today, pattern recognition is applied in an increasing number of research domains such as autonomic understanding of vision, speech, language, and text. The recent innovative developments in big data, robotics, and multimodal interface have forced the area of pattern recognition to face both new opportunities and unprecedented challenges. Furthermore, like other flourishing new techniques, including deep learning and brain-like computation, we believe that pattern recognition will certainly exhibit greater-than-ever advances in the future. With the aim of promoting the research and technical innovation in relevant fields domestically and internationally, the fundamental objective of CCPR is defined as providing a premier forum for researchers and practitioners from academia, industry, and government to share their ideas, research results, and experiences. The selected papers included in the proceedings not only address challenging issues in various aspects of pattern recognition but also synthesize contributions from related disciplines that illuminate the state of the art.

This year, CCPR received 199 submissions, all of which are written in English. After a thorough reviewing process, 121 papers were selected for presentation as full papers, resulting in an acceptance rate of 60.53 %. An additional nine papers concerning emotion recognition were included. We are grateful to Prof. Mu-ming Poo from the Chinese Academy of Sciences, Prof. Mark S. Nixon from the University of Southampton, and Prof. Matthew Turk from the University of California for giving keynote speeches at CCPR 2016.

The high-quality program would not have been possible without the authors who chose CCPR 2016 as a venue for their publications. We are also very grateful to the members of Program Committee and Organizing Committee, who made a tremendous effort in soliciting and selecting research papers with a balance of high quality, new ideas, and new applications. We appreciate Springer for publishing these proceedings; and we are particularly thankful to Celine (Lanlan) Chang, Leonie Kunz, and Jane Li from Springer for their effort and patience in collecting and editing these proceedings.

We sincerely hope that you enjoy reading and benefit from the proceedings of CCPR 2016.

November 2016

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Contents – Part I

Robotics

Constrained Spectral Clustering on Face Annotation System.	3
<i>Jiajie Han, Jiani Hu, and Weihong Deng</i>	
Axial-Decoupled Indoor Positioning Based on Location Fingerprints	13
<i>Wei Yanhua, Zhou Yan, Wang Dongli, and Wang Xianbing</i>	
AdaUK-Means: An Ensemble Boosting Clustering Algorithm on Uncertain Objects	27
<i>Lei Xu, Qinghua Hu, Xisheng Zhang, Yanshuo Chen, and Changrui Liao</i>	
A Vehicle Trajectory Analysis Approach Based on the Rigid Constraints of Object in 3-D Space	42
<i>Wen Jiang, Zhang Zhaoyang, Song Huansheng, and Pang Fenglan</i>	
Robust Features of Finger Regions Based Hand Gesture Recognition Using Kinect Sensor	53
<i>Fengyan Wang and Zengfu Wang</i>	
Circular Object Detection in Polar Coordinates for 2D LIDAR Data	65
<i>Xianen Zhou, Yaonan Wang, Qing Zhu, and Zhiqiang Miao</i>	
Intensity Estimation of the Real-World Facial Expression.	79
<i>Yan Gao, Shan Li, and Weihong Deng</i>	
An Emotional Text-Driven 3D Visual Pronunciation System for Mandarin Chinese	93
<i>Lingyun Yu, Changwei Luo, and Jun Yu</i>	
Interactive Banknotes Recognition for the Visual Impaired With Wearable Assistive Devices	105
<i>Dian Huang, Hong Cheng, and Lu Yang</i>	
Spontaneous Smile Recognition for Interest Detection	119
<i>Zhenzhen Luo, Leyuan Liu, Jingying Chen, Yuanyuan Liu, and Zhiming Su</i>	
Road Extraction Based on Direction Consistency Segmentation	131
<i>Lei Ding, Qimiao Yang, Jun Lu, Junfeng Xu, and Jintao Yu</i>	

Fingertip in the Eye: An Attention-Based Method for Real-Time Hand Tracking and Fingertip Detection in Egocentric Videos	145
<i>Xiaorui Liu, Yichao Huang, Xin Zhang, and Lianwen Jin</i>	
Multiple-Classifiers Based Hand Gesture Recognition	155
<i>Simin Li, Zihan Ni, and Nong Sang</i>	
Recognition of Social Touch Gestures Using 3D Convolutional Neural Networks	164
<i>Nan Zhou and Jun Du</i>	
Object Property Identification Using Uncertain Robot Manipulator	174
<i>Kunxia Huang, Chenguang Yang, and Hong Cheng</i>	
Computer Vision	
Pose-Invariant Face Recognition Based on a Flexible Camera Calibration . . .	191
<i>Xiaohu Shao, Cheng Cheng, Yanfei Liu, and Xiangdong Zhou</i>	
Pedestrian Detection Aided by Deep Learning Attributes Task	201
<i>Chao Qiu, Yinhui Zhang, Jieqiong Wang, and Zifen He</i>	
Crowd Collectiveness Measure via Path Integral Descriptor	211
<i>Wei-Ya Ren, Guo-Hui Li, and Yun-Xiang Ling</i>	
Robust Face Frontalization in Unconstrained Images	225
<i>Yuhan Zhang, Jianjun Qian, and Jian Yang</i>	
Research on the Stability of Plantar Pressure Under Normal Walking Condition	234
<i>Ding Han, Tang Yunqi, and Guo Wei</i>	
Convolutional Neural Networks with Neural Cascade Classifier for Pedestrian Detection	243
<i>Bei Tong, Bin Fan, and Fuchao Wu</i>	
Adaptive Multi-Metric Fusion for Person Re-identification	258
<i>Penglin Li, Mengxue Liu, Yun Gu, Lixiu Yao, and Jie Yang</i>	
Face Detection Using Hierarchical Fully Convolutional Networks	268
<i>Jiang-Jing Lv, You-Ji Feng, Xiang-Dong Zhou, and Xi Zhou</i>	
Depth Supporting Semantic Segmentation via Deep Neural Markov Random Field	278
<i>Wen Su and Zengfu Wang</i>	
Omega-Shape Feature Learning for Robust Human Detection	290
<i>Pengfei Liu, Xue Zhou, and Shibin Cai</i>	

Video Object Detection and Segmentation Based on Proposal Boxes.	304
<i>Xiaodi Zhang, Zhiguo Cao, Yang Xiao, and Furong Zhao</i>	
Landmark Selecting on 2D Shapes for Constructing Point Distribution Model	318
<i>Xianghu Ji, Lili Wang, Pan Tao, and Zhongliang Fu</i>	
Dual Camera Based Feature for Face Spoofing Detection.	332
<i>Xudong Sun, Lei Huang, and Changping Liu</i>	
Structured Degradation Model for Object Tracking in Non-uniform Degraded Videos	345
<i>Yuan Feng, Sheng Liu, and ShaoBo Zhang</i>	
An Improved Background Subtraction Method Based on ViBe.	356
<i>Botao He and Shaohua Yu</i>	
Novel Face Hallucination Through Patch Position Based Multiple Regressors Fusion.	369
<i>Changkai Jiao, Zongliang Gan, Lina Qi, Changhong Chen, and Feng Liu</i>	
Gait Retrieval: A Deep Hashing Method for People Retrieval in Video	383
<i>Muhammad Rauf, Yongzhen Huang, and Liang Wang</i>	
Background Subtraction Based on Superpixels Under Multi-scale in Complex Scenes	392
<i>Chenqiu Zhao, Tingting Zhang, Qianying Huang, Xiaohong Zhang, Dan Yang, Yinq Qu, and Sheng Huang</i>	
Direct Discriminant Analysis Using Volterra Kernels for Face Recognition.	404
<i>Guang Feng, Hengjian Li, Jiwen Dong, and Jiashu Zhang</i>	
An Improved MEEM Tracker via Adaptive Binary Feature Encoding	413
<i>Yang Liu, Yuehuan Wang, and Jun Wang</i>	
Real-Time Object Tracking Using Dynamic Measurement Matrix	426
<i>Jing Li, Hong Cheng, Runzhou Wang, and Lu Yang</i>	
A Novel Discriminative Weighted Pooling Feature for Multi-view Face Detection	437
<i>Shiwei Shi, Jifeng Shen, Xin Zuo, and Wankou Yang</i>	
Non-rigid 3D Model Retrieval Based on Weighted Bags-of-Phrases and LDA	449
<i>Hui Zeng, Huijuan Wang, Siqi Li, and Wei Zeng</i>	
Adaptively Weighted Structure Preserved Projections for Face Recognition.	461
<i>Yugen Yi, Wei Zhou, Yanjiao Shi, Guoliang Luo, and Jianzhong Wang</i>	

A Color Model Based Fire Flame Detection System	474
<i>Qing Lu, Jun Yu, and Zengfu Wang</i>	
Robust Object Tracking Based on Collaborative Model via L2-Norm Minimization.	486
<i>Xiaokang Qiao, Kaile Su, Zhonglong Zheng, Huawen Liu, and Xiaowei He</i>	
Online Adaptive Multiple Appearances Model for Long-Term Tracking.	501
<i>Shuo Tang, Longfei Zhang, Xiangwei Tan, Jiali Yan, and Gangyi Ding</i>	
Multi-stream Deep Networks for Person to Person Violence Detection in Videos.	517
<i>Zhihong Dong, Jie Qin, and Yunhong Wang</i>	
Basic Theory of Pattern Recognition	
1-Norm Projection Twin Support Vector Machine.	535
<i>Rui Yan, Qiaolin Ye, Dong Zhang, Ning Ye, and Xiaoqian Li</i>	
Consistent Model Combination of Lasso via Regularization Path	551
<i>Mei Wang, Yingqi Sun, Erlong Yang, and Kaoping Song</i>	
Using Feature Correlation Measurement to Improve the Kernel Minimum Squared Error Algorithm	563
<i>Zizhu Fan and Zuoyong Li</i>	
Robust Supervised Hashing	574
<i>Tongtong Yuan and Weihong Deng</i>	
Joint Learning of Distance Metric and Kernel Classifier via Multiple Kernel Learning	586
<i>Weiqi Zhang, Zifei Yan, Hongzhi Zhang, and Wangmeng Zuo</i>	
Semi-supervised Sparse Subspace Clustering on Symmetric Positive Definite Manifolds	601
<i>Ming Yin, Xiaozhao Fang, and Shengli Xie</i>	
Combination of Multiple Classifier Using Feature Space Partitioning.	612
<i>Xia Yingju, Hou Cuiqin, and Sun Jun</i>	
On Tightening the M-Best MAP Bounds	625
<i>Qiang Cheng, Li Chen, Yuanjian Xing, and Yuhao Yang</i>	
A Data Cleaning Method and Its Application for Earthen Site Data Monitored by WSN.	638
<i>Yun Xiao, Xuanhong Wang, Xin Wang, Pengfei Xu, Xiaojiang Chen, Dingyi Fang, and Baoying Liu</i>	

Analysis of Convergence Properties for Gath-Geva Clustering Using Jacobian Matrix	650
<i>Chaomurilige Wang, Jian Yu, and Jie Zhu</i>	
Subspace Clustering by Capped l_1 Norm	663
<i>Quanmao Lu, Xuelong Li, Yongsheng Dong, and Dacheng Tao</i>	
Clique-Based Locally Consistent Latent Space Clustering for Community Detection.	675
<i>Zhuanlian Ding, Dengdi Sun, Xingyi Zhang, and Bin Luo</i>	
An Improved Self-adaptive Regularization Method for Mixed Multiplicative and Additive Noise Reduction	690
<i>Ziling Wu, Hongxia Gao, Ge Ma, and Lixuan Wu</i>	
The GEPSVM Classifier Based on L1-Norm Distance Metric	703
<i>A. He Yan, B. Qiaolin Ye, C. Ying'an Liu, and D. Tian'an Zhang</i>	
Kernel Learning with Hilbert-Schmidt Independence Criterion	720
<i>Tinghua Wang, Wei Li, and Xianwen He</i>	
Key Course Selection in Academic Warning with Sparse Regression.	731
<i>Min Yin, Xijiong Xie, and Shiliang Sun</i>	
The Necessary and Sufficient Conditions for the Existence of the Optimal Solution of Trace Ratio Problems	742
<i>Guoqiang Zhong and Xiao Ling</i>	
Robust Multi-label Feature Selection with Missing Labels	752
<i>Qian Xu, Pengfei Zhu, Qinghua Hu, and Changqing Zhang</i>	
Fractional Orthogonal Fourier-Mellin Moments for Pattern Recognition	766
<i>Huaqing Zhang, Zongmin Li, and Yujie Liu</i>	
Author Index	779

Contents – Part II

Image and Video Processing

Saliency Region Detection via Graph Model and Statistical Learning.	3
<i>Ling Huang, Songguang Tang, Jiani Hu, and Weihong Deng</i>	
An Efficient Gabor Feature-Based Multi-task Joint Support Vector Machines Framework for Hyperspectral Image Classification	14
<i>Sen Jia and Bin Deng</i>	
Single Image Haze Removal Based on Priori Image Geometry and Edge-Preserving Filtering.	26
<i>Fan Guo and Changjun Zhu</i>	
Semantic Segmentation with Modified Deep Residual Networks	42
<i>Xinze Chen, Guangliang Cheng, Yinghao Cai, Dayong Wen, and Heping Li</i>	
A Quantum-Inspired Fuzzy Clustering for Solid Oxide Fuel Cell Anode Optical Microscope Images Segmentation.	55
<i>Yuhan Xiang, Xiaowei Fu, Li Chen, Xin Xu, and Xi Li</i>	
Document Image Super-Resolution Reconstruction Based on Clustering Learning and Kernel Regression	65
<i>Li Li, Haibin Liao, and Youbin Chen</i>	
Image Fusion and Super-Resolution with Convolutional Neural Network	78
<i>Jinying Zhong, Bin Yang, Yuehua Li, Fei Zhong, and Zhongze Chen</i>	
Robust Segmentation for Video Captions with Complex Backgrounds	89
<i>Zong-Heng Xing, Fang Zhou, Shu Tian, and Xu-Cheng Yin</i>	
Single Low-Light Image Enhancement Using Luminance Map	101
<i>Juan Song, Liang Zhang, Peiyi Shen, Xilu Peng, and Guangming Zhu</i>	
Image Copy Detection Based on Convolutional Neural Networks	111
<i>Jing Zhang, Wenting Zhu, Bing Li, Weiming Hu, and Jinfeng Yang</i>	
Perceptual Loss with Fully Convolutional for Image Residual Denoising	122
<i>Tao Pan, Fu Zhongliang, Wang Lili, and Zhu Kai</i>	
Single Image Super Resolution Through Multi Extreme Learning Machine Regressor Fusion	133
<i>Xiang Wang, Zongliang Gan, Lina Qi, Changhong Chen, and Feng Liu</i>	

Learning-Based Weighted Total Variation for Structure Preserving Texture Removal.	147
<i>Shoufeng Zheng, Chunwei Song, Hongzhi Zhang, Zifei Yan, and Wangmeng Zuo</i>	
A Novel Texture Extraction Method for the Sedimentary Structures’ Classification of Petroleum Imaging Logging	161
<i>Haoqi Gao, Huafeng Wang, Zhou Feng, Mingxia Fu, Chennan Ma, Haixia Pan, Binshen Xu, and Ning Li</i>	
Rank Beauty	173
<i>Yanbing Liao, Weihong Deng, and Can Cui</i>	
Robust Optic Disc Detection Based on Multi-features and Two-Stage Decision Strategy	182
<i>Wang Ying, Zhang Dongbo, Huang Huixian, and Zhang Ying</i>	
Hierarchical Saliency Detection Under Foggy Weather Fusing Spectral Residual and Phase Spectrum	191
<i>Kun Liu, Jia Tian, Xiu-ping Su, Yu-qiang Zhou, and Jie Wang</i>	
Hierarchical Image Matching Method Based on Free-Form Linear Features . . .	202
<i>Xiaowei Chen, Haitao Guo, Chuan Zhao, Baoming Zhang, and Yuzhun Lin</i>	
Improved Saliency Optimization Based on Superpixel-Wised Objectness and Boundary Connectivity	218
<i>Yanzhao Wang and Guohua Peng</i>	
A Dual-Based Adaptive Gradient Method for TV Image Denoising.	229
<i>Yan Liao, Jialin Hua, and Wei Xue</i>	
Image Inpainting Based on Sparse Representation with Dictionary Pre-clustering	245
<i>Kai Xu, Nannan Wang, and Xinbo Gao</i>	
Efficient Image Retrieval via Feature Fusion and Adaptive Weighting	259
<i>Xiangbin Shi, Zhongqiang Guo, and Deyuan Zhang</i>	
The Effect of Quantization Setting for Image Denoising Methods: An Empirical Study.	274
<i>Feng Pan, Zifei Yan, Kai Zhang, Hongzhi Zhang, and Wangmeng Zuo</i>	
GPCA-SIFT: A New Local Feature Descriptor for Scene Image Classification	286
<i>Lei Ju, Ke Xie, Hao Zheng, Baochang Zhang, and Wankou Yang</i>	

Speech and Language

Low-Quality Character Recognition Based on Dictionary Learning and Sparse Representation	299
<i>Haibin Liao, Li Li, Youbin Chen, and Ruolin Ruan</i>	
A Unified Approach for Spatial and Angular Super-Resolution of Diffusion Tensor MRI	312
<i>Shi Yin, Xinge You, Weiyong Xue, Bo Li, Yue Zhao, Xiao-Yuan Jing, Patrick S.P. Wang, and Yuanyan Tang</i>	
Dump Truck Recognition Based on SCPSR in Videos.	325
<i>Wenming Yang, Xiaoling Hu, Riqiang Gao, and Qingmin Liao</i>	
Parallel Randomized Block Coordinate Descent for Neural Probabilistic Language Model with High-Dimensional Output Targets	334
<i>Xin Liu, Junchi Yan, Xiangfeng Wang, and Hongyuan Zha</i>	
Multi-label Ranking with LSTM ² for Document Classification	349
<i>Yan Yan, Xu-Cheng Yin, Chun Yang, Bo-Wen Zhang, and Hong-Wei Hao</i>	
Attribute Based Approach for Clothing Recognition	364
<i>Wang Fan, Zhao Qiyang, Liu Qingjie, and Yin Baolin</i>	
Bloody Image Classification with Global and Local Features	379
<i>Song-Lu Chen, Chun Yang, Chao Zhu, and Xu-Cheng Yin</i>	
Local Connectedness Constraint and Contrast Normalization Based Microaneurysm Detection.	392
<i>Mengxue Liu, Qi Yu, Jie Yang, Yu Qiao, and Xun Xu</i>	
Aurora Sequences Classification and Aurora Events Detection Based on Hidden Conditional Random Fields	404
<i>Baibai Xu, Changhong Chen, Zongliang Gan, and Bin Liu</i>	
Source Printer Authentication for Printed Documents Based on Factor Analysis	416
<i>Changjun Jin, Haibin Liao, and Youbin Chen</i>	
Applying Batch Normalization to Hybrid NN-HMM Model For Speech Recognition.	427
<i>Hongjian Zhan, Guilin Chen, and Yue Lu</i>	
Preprocessing Algorithm Research of Touchless Fingerprint Feature Extraction and Matching	436
<i>Kejun Wang, Jinyi Jiang, Yi Cao, Xianglei Xing, and Rongyi Zhang</i>	

Violent Scene Detection Using Convolutional Neural Networks and Deep Audio Features	451
<i>Guankun Mu, Haibing Cao, and Qin Jin</i>	
Random Walk Based Global Feature for Disease Gene Identification.	464
<i>Lezhen Wei, Shuai Wu, Jian Zhang, and Yong Xu</i>	
Multi-stage Feature Extraction in Offline Handwritten Chinese Character Recognition	474
<i>Xianglian Wu, Chang Shu, and Ning Zhou</i>	
Multi-modal Brain Tumor Segmentation Based on Self-organizing Active Contour Model.	486
<i>Rui Liu, Jian Cheng, Xiaoya Zhu, Hao Liang, and Zezhou Chen</i>	
A New Subcellular Localization Predictor for Human Proteins Considering the Correlation of Annotation Features and Protein Multi-localization	499
<i>Hang Zhou, Yang Yang, and Hong-Bin Shen</i>	
Biomedical Named Entity Recognition Based on Multistage Three-Way Decisions.	513
<i>Hecheng Yu, Zhihua Wei, Lijun Sun, and Zhifei Zhang</i>	
Chinese Image Text Recognition with BLSTM-CTC: A Segmentation-Free Method	525
<i>Chuanlei Zhai, Zhineng Chen, Jie Li, and Bo Xu</i>	
An Unsupervised Change Detection Approach for Remote Sensing Image Using SURF and SVM	537
<i>Lin Wu, Yunhong Wang, and Jiangtao Long</i>	
Semi-supervised Learning of Bottleneck Feature for Music Genre Classification	552
<i>Jia Dai, Wenju Liu, Hao Zheng, Wei Xue, and Chongjia Ni</i>	
Simultaneous Audio Source Localization and Microphone Placement	563
<i>Peng Luo, Jiwen Lu, and Jie Zhou</i>	
A Character-Based Method for License Plate Detection in Complex Scenes . . .	576
<i>Dingyi Li and Zengfu Wang</i>	
Script Identification Based on HSV Features	588
<i>Buvajar Mijit, Alimjan Aysa, Nurbiya Yadikar, Xing-kun Han, and Kurban Ubul</i>	
Robust Principal Component Analysis Based Speaker Verification Under Additive Noise Conditions	598
<i>Minghe Wang, Erhua Zhang, and Zhenmin Tang</i>	

Recurrent Neural Network Based Language Model Adaptation for Accent Mandarin Speech	607
<i>Hao Ni, Jiangyan Yi, Zhengqi Wen, and Jianhua Tao</i>	
Emotion Recognition	
Audio-Video Based Multimodal Emotion Recognition Using SVMs and Deep Learning	621
<i>Bo Sun, Qihua Xu, Jun He, Lejun Yu, Liandong Li, and Qinglan Wei</i>	
Emotion Recognition in Videos via Fusing Multimodal Features.	632
<i>Shizhe Chen, Yujie Dian, Xinrui Li, Xiaozhu Lin, Qin Jin, Haibo Liu, and Li Lu</i>	
Feature Learning via Deep Belief Network for Chinese Speech Emotion Recognition	645
<i>Shiqing Zhang, Xiaoming Zhao, Yuelong Chuang, Wenping Guo, and Ying Chen</i>	
The University of Passau Open Emotion Recognition System for the Multimodal Emotion Challenge.	652
<i>Jun Deng, Nicholas Cummins, Jing Han, Xinzhou Xu, Zhao Ren, Vedhas Pandit, Zixing Zhang, and Björn Schuller</i>	
MEC 2016: The Multimodal Emotion Recognition Challenge of CCPR 2016	667
<i>Ya Li, Jianhua Tao, Björn Schuller, Shiguang Shan, Dongmei Jiang, and Jia Jia</i>	
Video Based Emotion Recognition Using CNN and BRNN	679
<i>Youyi Cai, Wenming Zheng, Tong Zhang, Qiang Li, Zhen Cui, and Jiayin Ye</i>	
Audio Visual Recognition of Spontaneous Emotions In-the-Wild	692
<i>Xiaohan Xia, Liyong Guo, Dongmei Jiang, Ercheng Pei, Le Yang, and Hichem Sahli</i>	
The SYSU System for CCPR 2016 Multimodal Emotion Recognition Challenge.	707
<i>Gaoyuan He, Jinkun Chen, Xuebo Liu, and Ming Li</i>	
Transfer Learning of Deep Neural Network for Speech Emotion Recognition.	721
<i>Ying Huang, Mingqing Hu, Xianguo Yu, Tao Wang, and Chen Yang</i>	
Author Index	731