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Computer Vision – ACCV 2012

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Revised Selected Papers, Part III



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Preface

The 11th Asian Conference on Computer Vision (ACCV 2012) took place in South Korea in the city of Daejeon, a well-known center of research and high-tech industry. Following the tradition of previous meetings, ACCV 2012 had a number of events co-located with the main conference, including nine workshops, two tutorial sessions, 12 on-site demos featuring a wide range of advanced vision technology, and a special competition on RGB-D camera applications. In addition, there were three keynote speakers: Tomaso Poggio (Invariant Recognition in the Visual Cortex), Du Sik Park (The Color and Image Processing Technology for CE Device: Current and Future), and Andrew Fitzgibbon (3D Vision in a Changing World).

The ACCV Steering Committee, consisting of Katsushi Ikeuchi, Yasushi Yagi, and Tieniu Tan, provided guidance throughout the organizational process and we are grateful for their support. We were fortunate to be able to work closely with the General Chairs, In So Kweon, Chilwoo Lee, and Akihiro Sugimoto, who arranged the financing and logistics. Thanks to their efforts we were able to secure the Daejeon Convention Center as an excellent venue for our meeting. Special thanks go to our Publication Chairs In Kyu Park and Tae-Wuk Bae, for handling the daunting task of assembling the conference proceedings and meeting the publication deadlines.

Additional support for ACCV 2012 was provided by our 13 sponsors, who contributed at four levels: Platinum (Daejeon Metropolitan City, Daejeon International Marketing Enterprise, Daejeon Convention Center, Korea Tourism Organization, DigiCar Center, Mobile Device Interface Research Center, and Seoul National University), Gold (Samsung AIT and Puloon Technology), Silver (Mando Corporation, Qualcomm, and 4D View Solutions), and Bronze (NVIDIA Corporation).

In order to support an on-line review process, we utilized Microsoft's CMT system, with special thanks to Yasuyuki Matsushita for managing the CMT process. Continuing the trend of increasing submissions to ACCV, we received 869 submissions by the deadline of July 1, 2012. This represents an 18% increase in submissions over 2010. We received submissions from 43 countries, with Asia (63%), Europe (23%), and North America (12%) making up the bulk of the submissions by region. Submitted papers that did not conform to the submission criteria regarding author anonymity, formatting, and length, were desk rejected and removed from consideration.

The four Program Co-chairs assembled a group of 33 leading vision researchers to serve as Area Chairs (ACs) and conduct the review process. These Chairs managed a group of 479 reviewers, who provided expert assessment of the submitted papers. Each paper received a minimum of three reviews, as well as a consolidation report from the responsible AC, which detailed the outcome of

the decision process. Review decisions were finalized at the AC meeting, which was held at Seoul National University during September 17–18, 2012. Special thanks to Kyoung Mu Lee for handling the arrangements for this meeting. ACs were organized into triples, so that papers with varying review scores could be discussed by multiple ACs. The triples in turn were organized into four panels, which finalized all of the paper decisions. The AC panels were instructed to use their best judgement in determining which papers to accept. While review scores were an input to the decision process, these scores alone did not determine the outcome. The Program Chairs strictly followed the recommendations of the panels with regard to acceptance. We asked for clarification where it was needed, and requested detailed and clear consolidation reports. Each consolidation report was checked by at least one Program Chair.

We wish to acknowledge the invaluable help of a number of people in making this conference possible. The logistical talents of the Organizing Committee made it possible to conduct a well-run meeting with a diverse set of activities. We extend our thanks to everyone who was involved in the submission and review process: the ACs, reviewers, and authors. Without your dedication and hard work there would be no meeting. We look forward to the continuing evolution of ACCV as one of the top conferences in the field.

November 2012

Kyoung Mu Lee
Yasuyuki Matsushita
James M. Rehg
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ACCV 2012 Best Paper (The Saburo Tsuji Award)

Detecting Partially Occluded Objects with an Implicit Shape Model Random Field

Paul Wohlhart, Michael Donoser, Peter Roth, and Horst Bischof

**ACCV 2012 Best Student Paper
(The Sang Uk Lee Award)**

Discriminative Dictionary Learning with Pairwise Constraints

Huimin Guo, Zhuolin Jiang, and Larry Davis

**ACCV 2012 Best Application Paper
(The Songde Ma Award)**

Large-Scale Bundle Adjustment by Parameter Vector Partition

Shanmin Pang, Jianrue Xue, Le Wang, and Nanning Zheng

ACCV 2012 Best Paper Honorable Mention

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Alexander Freytag, Erik Rodner, Paul Bodesheim, and Joachim Denzler

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Yuefeng Chen and Qing Wang

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Table of Contents – Part III

Oral Session 6: Optical Flow and Tracking

Adaptive Integration of Feature Matches into Variational Optical Flow Methods	1
<i>Michael Stoll, Sebastian Volz, and Andrés Bruhn</i>	
Efficient Learning of Linear Predictors Using Dimensionality Reduction	15
<i>Stefan Holzer, Slobodan Ilic, David Joseph Tan, and Nassir Navab</i>	
Robust Visual Tracking Using Dynamic Classifier Selection with Sparse Representation of Label Noise	29
<i>Yuefeng Chen and Qing Wang</i>	

Poster Session 6: Motion, Tracking, and Computational Photography

Dynamic Objectness for Adaptive Tracking	43
<i>Severin Stalder, Helmut Grabner, and Luc Van Gool</i>	
Visual Tracking in Continuous Appearance Space via Sparse Coding	57
<i>Guofeng Wang, Fan Zhong, Yue Liu, Qunsheng Peng, and Xueying Qin</i>	
Robust Object Tracking in Crowd Dynamic Scenes Using Explicit Stereo Depth	71
<i>Chi Li, Le Lu, Gregory D. Hager, Jianyu Tang, and Hanzi Wang</i>	
Structured Visual Tracking with Dynamic Graph	86
<i>Zhaowei Cai, Longyin Wen, Jianwei Yang, Zhen Lei, and Stan Z. Li</i>	
Online Multi-target Tracking by Large Margin Structured Learning	98
<i>Suna Kim, Suha Kwak, Jan Feyereisl, and Bohyung Han</i>	
An Anchor Patch Based Optimization Framework for Reducing Optical Flow Drift in Long Image Sequences	112
<i>Wenbin Li, Darren Cosker, and Matthew Brown</i>	
One-Class Multiple Instance Learning and Applications to Target Tracking	126
<i>Karthik Sankaranarayanan and James W. Davis</i>	
Dense Scene Flow Based on Depth and Multi-channel Bilateral Filter	140
<i>Xiaowei Zhang, Dapeng Chen, Zejian Yuan, and Nanning Zheng</i>	

Object Tracking within the Framework of Concept Drift	152
<i>Li Chen, Yue Zhou, and Jie Yang</i>	
Multiple Target Tracking Using Frame Triplets	163
<i>Asad A. Butt and Robert T. Collins</i>	
Spatio-Temporal Clustering Model for Multi-object Tracking through Occlusions	177
<i>Lei Zhang and Qing Wang</i>	
Robust Object Tracking Using Constellation Model with Superpixel	191
<i>Weijun Wang and Ramakant Nevatia</i>	
Robust Registration-Based Tracking by Sparse Representation with Model Update	205
<i>Peihua Li and Qilong Wang</i>	
Robust and Efficient Pose Estimation from Line Correspondences	217
<i>Lilian Zhang, Chi Xu, Kok-Meng Lee, and Reinhard Koch</i>	
Nonlocal Spectral Prior Model for Low-Level Vision	231
<i>Shenlong Wang, Lei Zhang, and Yan Liang</i>	
Simultaneous Multiple Rotation Averaging Using Lagrangian Duality . . .	245
<i>Johan Fredriksson and Carl Olsson</i>	
Observation-Driven Adaptive Differential Evolution for Robust Bronchoscope 3-D Motion Tracking	259
<i>Xiongbiao Luo and Kensaku Mori</i>	
Tracking Growing Axons by Particle Filtering in 3D + t Fluorescent Two-Photon Microscopy Images	272
<i>Huei-Fang Yang, Xavier Descombes, Charles Kervann, Caroline Medioni, and Florence Besse</i>	
Image Upscaling Using Multiple Dictionaries of Natural Image Patches	284
<i>Pulak Purkait and Bhabatosh Chanda</i>	
A Biologically Motivated Double-Opponency Approach to Illumination Invariance	296
<i>Sivalogeswaran Ratnasingam and Antonio Robles-Kelly</i>	
Measuring Linearity of Closed Curves and Connected Compound Curves	310
<i>Paul L. Rosin, Jovanka Pantović, and Joviša Žunić</i>	
Patch Mosaic for Fast Motion Deblurring	322
<i>Hyeoungho Bae, Charless C. Fowlkes, and Pai H. Chou</i>	

Single-Image Blind Deblurring for Non-uniform Camera-Shake Blur	336
<i>Yuquan Xu, Lu Wang, Xiyuan Hu, and Silong Peng</i>	
Image Super-Resolution Using Local Learnable Kernel Regression	349
<i>Renjie Liao and Zengchang Qin</i>	
MRF-Based Blind Image Deconvolution	361
<i>Nikos Komodakis and Nikos Paragios</i>	
Efficient Image Appearance Description Using Dense Sampling Based Local Binary Patterns	375
<i>Juha Ylinoias, Abdenour Hadid, Yimo Guo, and Matti Pietikäinen</i>	
Navigation toward Non-static Target Object Using Footprint Detection Based Tracking	389
<i>Meng Yi, Yinfei Yang, Wenjing Qi, Yu Zhou, Yunfeng Li, Zygmunt Pizlo, and Longin Jan Latecki</i>	
Single Image Super Resolution Reconstruction in Perturbed Exemplar Sub-space	401
<i>Takashi Shibata, Akihiko Iketani, and Shuji Senda</i>	
Image Super-Resolution: Use of Self-learning and Gabor Prior	413
<i>Nilay Khatri and Manjunath V. Joshi</i>	

Oral Session 7: Video Analysis and Action Recognition

Action Disambiguation Analysis Using Normalized Google-Like Distance Correlogram	425
<i>Qianru Sun and Hong Liu</i>	
Alpha-Flow for Video Matting	438
<i>Mikhail Sincdeev, Anton Konushin, and Carsten Rother</i>	
Combinational Subsequence Matching for Human Identification from General Actions	453
<i>Maodi Hu, Yunhong Wang, and James J. Little</i>	

Poster Session 7: Video Analysis and Action Recognition

Iterative Semi-Global Matching for Robust Driver Assistance Systems	465
<i>Simon Hermann and Reinhard Klette</i>	
Action Recognition Using Canonical Correlation Kernels	479
<i>G. Nagendar, Sai Ganesh Bandiatmakuri, Mahesh Goud Tandarpally, and C.V. Jawahar</i>	

A New Framework for Background Subtraction Using Multiple Cues	493
<i>SeungJong Noh and Moongu Jeon</i>	
Weighted Interaction Force Estimation for Abnormality Detection in Crowd Scenes	507
<i>Xiaobin Zhu, Jing Liu, Jinqiao Wang, Wei Fu, and Hanqing Lu</i>	
Egocentric Activity Monitoring and Recovery	519
<i>Ardhendu Behera, David C. Hogg, and Anthony G. Cohn</i>	
Spatiotemporal Saliency via Centre-Surround Comparison of Visual Spacetime Orientations	533
<i>Andrei Zaharescu and Richard Wildes</i>	
Temporal-Spatial Refinements for Video Concept Fusion	547
<i>Jie Geng, Zhenjiang Miao, and Hai Chi</i>	
Features with Feelings—Incorporating User Preferences in Video Categorization	560
<i>Ramya Srinivasan and Amit K. Roy-Chowdhury</i>	
A Comparative Study of Encoding, Pooling and Normalization Methods for Action Recognition	572
<i>Xingxing Wang, LiMin Wang, and Yu Qiao</i>	
Dynamic Saliency Models and Human Attention: A Comparative Study on Videos	586
<i>Nicolas Riche, Matei Mancas, Dubravko Culibrk, Vladimir Crnojevic, Bernard Gosselin, and Thierry Dutoit</i>	
Horror Video Scene Recognition Based on Multi-view Multi-instance Learning	599
<i>Xinmiao Ding, Bing Li, Weiming Hu, Weihua Xiong, and Zhenchong Wang</i>	
Learning Object Appearance from Occlusions Using Structure and Motion Recovery	611
<i>Kai Cordes, Björn Scheuermann, Bodo Rosenhahn, and Jörn Ostermann</i>	
Exploring the Similarities of Neighboring Spatiotemporal Points for Action Pair Matching	624
<i>Irene Kotsia and Ioannis Patras</i>	
Sequential Reconstruction Segment-Wise Feature Track and Structure Updating Based on Parallax Paths	636
<i>Mauricio Hess-Flores, Mark A. Duchaineau, and Kenneth I. Joy</i>	

Generic Active Appearance Models Revisited	650
<i>Georgios Tzimiropoulos, Joan Alabort-i-Medina, Stefanos Zafeiriou, and Maja Pantic</i>	
Tracking Pedestrian with Multi-component Online Deformable Part-Based Model	664
<i>Yi Xie, Mingtao Pei, Zhao Liu, and Tianfu Wu</i>	
Local Distance Comparison for Multiple-shot People Re-identification	677
<i>Guanwen Zhang, Yu Wang, Jien Kato, Takafumi Marutani, and Kenji Mase</i>	
Non-sequential Multi-view Detection, Localization and Identification of People Using Multi-modal Feature Maps	691
<i>Rok Mandeljc, Stanislav Kovačič, Matej Kristan, and Janez Perš</i>	
Full 6DOF Pose Estimation from Geo-Located Images	705
<i>Clemens Arth, Gerhard Reitmayr, and Dieter Schmalstieg</i>	
Learning a Quality-Based Ranking for Feature Point Trajectories	718
<i>Liangjing Ding, Adrian Barbu, and Anke Meyer-Baese</i>	
Author Index	735