

Table of Contents

Poster Session 7 (*continued*)

Person Re-Identification Using Kernel-Based Metric Learning Methods	1
<i>Fei Xiong, Mengran Gou, Octavia Camps, and Mario Sznajder</i>	
Saliency in Crowd	17
<i>Ming Jiang, Juan Xu, and Qi Zhao</i>	
Webpage Saliency	33
<i>Chengyao Shen and Qi Zhao</i>	
Deblurring Face Images with Exemplars	47
<i>Jinshan Pan, Zhe Hu, Zhixun Su, and Ming-Hsuan Yang</i>	
Sparse Spatio-spectral Representation for Hyperspectral Image Super-resolution	63
<i>Naveed Akhtar, Faisal Shafait, and Ajmal Mian</i>	
Hybrid Image Deblurring by Fusing Edge and Power Spectrum Information	79
<i>Tao Yue, Sunghyun Cho, Jue Wang, and Qionghai Dai</i>	
Affine Subspace Representation for Feature Description	94
<i>Zhenhua Wang, Bin Fan, and Fuchao Wu</i>	
A Generative Model for the Joint Registration of Multiple Point Sets . . .	109
<i>Georgios D. Evangelidis, Dionyssos Kounades-Bastian, Radu Horaud, and Emmanouil Z. Psarakis</i>	
Change Detection in the Presence of Motion Blur and Rolling Shutter Effect	123
<i>Vijay Rengarajan Angarai Pichaikuppan, Rajagopalan Ambasamudram Narayanan, and Aravind Rangarajan</i>	
An Analysis of Errors in Graph-Based Keypoint Matching and Proposed Solutions	138
<i>Toby Collins, Pablo Mesejo, and Adrien Bartoli</i>	
OpenDR: An Approximate Differentiable Renderer	154
<i>Matthew M. Loper and Michael J. Black</i>	

A Superior Tracking Approach: Building a Strong Tracker through Fusion	170
<i>Christian Bailer, Alain Pagani, and Didier Stricker</i>	
Training-Based Spectral Reconstruction from a Single RGB Image	186
<i>Rang M.H. Nguyen, Dilip K. Prasad, and Michael S. Brown</i>	
On Shape and Material Recovery from Motion	202
<i>Manmohan Chandraker</i>	
Intrinsic Image Decomposition Using Structure-Texture Separation and Surface Normals	218
<i>Junho Jeon, Sunghyun Cho, Xin Tong, and Seungyong Lee</i>	
Multi-level Adaptive Active Learning for Scene Classification	234
<i>Xin Li and Yuhong Guo</i>	
Graph Cuts for Supervised Binary Coding	250
<i>Tiezheng Ge, Kaiming He, and Jian Sun</i>	
Planar Structure Matching under Projective Uncertainty for Geolocation	265
<i>Ang Li, Vlad I. Morariu, and Larry S. Davis</i>	
Active Deformable Part Models Inference	281
<i>Menglong Zhu, Nikolay Atansov, George J. Pappas, and Kostas Daniilidis</i>	
Simultaneous Detection and Segmentation	297
<i>Bharath Hariharan, Pablo Arbeláez, Ross Girshick, and Jitendra Malik</i>	
Learning Graphs to Model Visual Objects across Different Depictive Styles	313
<i>Qi Wu, Hongping Cai, and Peter Hall</i>	
Analyzing the Performance of Multilayer Neural Networks for Object Recognition	329
<i>Pulkit Agrawal, Ross Girshick, and Jitendra Malik</i>	
Learning Rich Features from RGB-D Images for Object Detection and Segmentation	345
<i>Saurabh Gupta, Ross Girshick, Pablo Arbeláez, and Jitendra Malik</i>	
Scene Classification via Hypergraph-Based Semantic Attributes Subnetworks Identification	361
<i>Sun-Wook Choi, Chong Ho Lee, and In Kyu Park</i>	
OTC: A Novel Local Descriptor for Scene Classification	377
<i>Ran Margolin, Lihi Zelnik-Manor, and Ayellet Tal</i>	

Multi-scale Orderless Pooling of Deep Convolutional Activation Features	392
<i>Yunchao Gong, Liwei Wang, Ruiqi Guo, and Svetlana Lazebnik</i>	
Expanding the Family of Grassmannian Kernels: An Embedding Perspective.....	408
<i>Mehrtash T. Harandi, Mathieu Salzmann, Sadeep Jayasumana, Richard Hartley, and Hongdong Li</i>	
Image Tag Completion by Noisy Matrix Recovery	424
<i>Zheyun Feng, Songhe Feng, Rong Jin, and Anil K. Jain</i>	
ConceptMap: Mining Noisy Web Data for Concept Learning.....	439
<i>Eren Golge and Pinar Duygulu</i>	
Shrinkage Expansion Adaptive Metric Learning	456
<i>Qilong Wang, Wangmeng Zuo, Lei Zhang, and Peihua Li</i>	
Salient Montages from Unconstrained Videos	472
<i>Min Sun, Ali Farhadi, Ben Taskar, and Steve Seitz</i>	
Action-Reaction: Forecasting the Dynamics of Human Interaction	489
<i>De-An Huang and Kris M. Kitani</i>	
Creating Summaries from User Videos	505
<i>Michael Gygli, Helmut Grabner, Hayko Riemenschneider, and Luc Van Gool</i>	
Spatiotemporal Background Subtraction Using Minimum Spanning Tree and Optical Flow	521
<i>Mingliang Chen, Qingxiong Yang, Qing Li, Gang Wang, and Ming-Hsuan Yang</i>	
Robust Foreground Detection Using Smoothness and Arbitrariness Constraints	535
<i>Xiaojie Guo, Xinggang Wang, Liang Yang, Xiaochun Cao, and Yi Ma</i>	
Video Object Co-segmentation by Regulated Maximum Weight Cliques	551
<i>Dong Zhang, Omar Javed, and Mubarak Shah</i>	

Motion and 3D Scene Analysis

Dense Semi-rigid Scene Flow Estimation from RGBD Images	567
<i>Julian Quiroga, Thomas Brox, Frédéric Devernay, and James Crowley</i>	

Video Pop-up: Monocular 3D Reconstruction of Dynamic Scenes	583
<i>Chris Russell, Rui Yu, and Lourdes Agapito</i>	
Joint Object Class Sequencing and Trajectory Triangulation (JOST) . . .	599
<i>Enliang Zheng, Ke Wang, Enrique Dunn, and Jan-Michael Frahm</i>	
Scene Chronology	615
<i>Kevin Matzen and Noah Snavely</i>	
Author Index	631