

Contents – Part IV

Poster Session 4 (Continued)

Generating Visual Explanations	3
<i>Lisa Anne Hendricks, Zeynep Akata, Marcus Rohrbach, Jeff Donahue, Bernt Schiele, and Trevor Darrell</i>	
Marker-Less 3D Human Motion Capture with Monocular Image Sequence and Height-Maps	20
<i>Yu Du, Yongkang Wong, Yonghao Liu, Feilin Han, Yilin Gui, Zhen Wang, Mohan Kankanhalli, and Weidong Geng</i>	
Tensor Representations via Kernel Linearization for Action Recognition from 3D Skeletons	37
<i>Piotr Koniusz, Anoop Cherian, and Fatih Porikli</i>	
Manhattan-World Urban Reconstruction from Point Clouds	54
<i>Minglei Li, Peter Wonka, and Liangliang Nan</i>	
From Multiview Image Curves to 3D Drawings	70
<i>Anil Usamezbas, Ricardo Fabbri, and Benjamin B. Kimia</i>	
Shape from Selfies: Human Body Shape Estimation Using CCA Regression Forests	88
<i>Endri Dibra, Cengiz Öztireli, Remo Ziegler, and Markus Gross</i>	
Can We Jointly Register and Reconstruct Creased Surfaces by Shape-from-Template Accurately?	105
<i>Mathias Gallardo, Toby Collins, and Adrien Bartoli</i>	
Distractor-Supported Single Target Tracking in Extremely Cluttered Scenes . . .	121
<i>Jingjing Xiao, Linbo Qiao, Rustam Stolkin, and Aleš Leonardis</i>	
Connectionist Temporal Modeling for Weakly Supervised Action Labeling . . .	137
<i>De-An Huang, Li Fei-Fei, and Juan Carlos Niebles</i>	
Deep Joint Image Filtering	154
<i>Yijun Li, Jia-Bin Huang, Narendra Ahuja, and Ming-Hsuan Yang</i>	
Efficient Multi-frequency Phase Unwrapping Using Kernel Density Estimation	170
<i>Felix Järemo Lawin, Per-Erik Forssén, and Hannes Ovrén</i>	

A Multi-scale CNN for Affordance Segmentation in RGB Images	186
<i>Anirban Roy and Sinisa Todorovic</i>	
Hierarchical Dynamic Parsing and Encoding for Action Recognition	202
<i>Bing Su, Jiahuan Zhou, Xiaoqing Ding, Hao Wang, and Ying Wu</i>	
Distinct Class-Specific Saliency Maps for Weakly Supervised Semantic Segmentation	218
<i>Wataru Shimoda and Keiji Yanai</i>	
A Diagram is Worth a Dozen Images	235
<i>Aniruddha Kembhavi, Mike Salvato, Eric Kolve, Minjoon Seo, Hannaneh Hajishirzi, and Ali Farhadi</i>	
Automatic Attribute Discovery with Neural Activations	252
<i>Sirion Vittayakorn, Takayuki Umeda, Kazuhiko Murasaki, Kyoko Sudo, Takayuki Okatani, and Kota Yamaguchi</i>	
“What Happens If...” Learning to Predict the Effect of Forces in Images	269
<i>Roozbeh Mottaghi, Mohammad Rastegari, Abhinav Gupta, and Ali Farhadi</i>	
View Synthesis by Appearance Flow	286
<i>Tinghui Zhou, Shubham Tulsiani, Weilun Sun, Jitendra Malik, and Alexei A. Efros</i>	
Top-Down Learning for Structured Labeling with Convolutional Pseudoprior	302
<i>Saining Xie, Xun Huang, and Zhuowen Tu</i>	
Generative Image Modeling Using Style and Structure Adversarial Networks	318
<i>Xiaolong Wang and Abhinav Gupta</i>	
Joint Learning of Semantic and Latent Attributes	336
<i>Peixi Peng, Yonghong Tian, Tao Xiang, Yaowei Wang, and Tiejun Huang</i>	
A Unified Multi-scale Deep Convolutional Neural Network for Fast Object Detection	354
<i>Zhaowei Cai, Quanfu Fan, Rogerio S. Feris, and Nuno Vasconcelos</i>	
Deep Specialized Network for Illuminant Estimation	371
<i>Wu Shi, Chen Change Loy, and Xiaoou Tang</i>	
Weakly-Supervised Semantic Segmentation Using Motion Cues	388
<i>Pavel Tokmakov, Karteek Alahari, and Cordelia Schmid</i>	

Human-in-the-Loop Person Re-identification.	405
<i>Hanxiao Wang, Shaogang Gong, Xiatian Zhu, and Tao Xiang</i>	
Real-Time Monocular Segmentation and Pose Tracking of Multiple Objects. . .	423
<i>Henning Tjaden, Ulrich Schwanecke, and Elmar Schömer</i>	
Estimation of Human Body Shape in Motion with Wide Clothing.	439
<i>Jinlong Yang, Jean-Sébastien Franco, Franck Hétroy-Wheeler, and Stefanie Wuhrer</i>	
A Shape-Based Approach for Salient Object Detection Using Deep Learning.	455
<i>Jongpil Kim and Vladimir Pavlovic</i>	
Fast Optical Flow Using Dense Inverse Search.	471
<i>Till Kroeger, Radu Timofte, Dengxin Dai, and Luc Van Gool</i>	
Global Registration of 3D Point Sets via LRS Decomposition	489
<i>Federica Arrigoni, Beatrice Rossi, and Andrea Fusiello</i>	
Recognition from Hand Cameras: A Revisit with Deep Learning	505
<i>Cheng-Sheng Chan, Shou-Zhong Chen, Pei-Xuan Xie, Chiung-Chih Chang, and Min Sun</i>	

Learning

XNOR-Net: ImageNet Classification Using Binary Convolutional Neural Networks.	525
<i>Mohammad Rastegari, Vicente Ordonez, Joseph Redmon, and Ali Farhadi</i>	
Top-Down Neural Attention by Excitation Backprop.	543
<i>Jianming Zhang, Zhe Lin, Jonathan Brandt, Xiaohui Shen, and Stan Sclaroff</i>	
Learning Recursive Filters for Low-Level Vision via a Hybrid Neural Network	560
<i>Sifei Liu, Jinshan Pan, and Ming-Hsuan Yang</i>	
Learning Representations for Automatic Colorization.	577
<i>Gustav Larsson, Michael Maire, and Gregory Shakhnarovich</i>	

Poster Session 5

Deep Reconstruction-Classification Networks for Unsupervised Domain Adaptation	597
<i>Muhammad Ghifary, W. Bastiaan Kleijn, Mengjie Zhang, David Balduzzi, and Wen Li</i>	

Learning Without Forgetting.	614
<i>Zhizhong Li and Derek Hoiem</i>	
Identity Mappings in Deep Residual Networks	630
<i>Kaiming He, Xiangyu Zhang, Shaoqing Ren, and Jian Sun</i>	
Deep Networks with Stochastic Depth	646
<i>Gao Huang, Yu Sun, Zhuang Liu, Daniel Sedra, and Kilian Q. Weinberger</i>	
Less Is More: Towards Compact CNNs	662
<i>Hao Zhou, Jose M. Alvarez, and Fatih Porikli</i>	
Unsupervised Visual Representation Learning by Graph-Based Consistent Constraints	678
<i>Dong Li, Wei-Chih Hung, Jia-Bin Huang, Shengjin Wang, Narendra Ahuja, and Ming-Hsuan Yang</i>	
Seed, Expand and Constrain: Three Principles for Weakly-Supervised Image Segmentation	695
<i>Alexander Kolesnikov and Christoph H. Lampert</i>	
Patch-Based Low-Rank Matrix Completion for Learning of Shape and Motion Models from Few Training Samples.	712
<i>Jan Ehrhardt, Matthias Wilms, and Heinz Handels</i>	
Chained Predictions Using Convolutional Neural Networks	728
<i>Georgia Gkioxari, Alexander Toshev, and Navdeep Jaitly</i>	
Multi-region Two-Stream R-CNN for Action Detection	744
<i>Xiaojiang Peng and Cordelia Schmid</i>	
Semantic Co-segmentation in Videos.	760
<i>Yi-Hsuan Tsai, Guangyu Zhong, and Ming-Hsuan Yang</i>	
Attribute2Image: Conditional Image Generation from Visual Attributes	776
<i>Xinchen Yan, Jimei Yang, Kihyuk Sohn, and Honglak Lee</i>	
Modeling Context Between Objects for Referring Expression Understanding	792
<i>Varun K. Nagaraja, Vlad I. Morariu, and Larry S. Davis</i>	
Friction from Reflectance: Deep Reflectance Codes for Predicting Physical Surface Properties from One-Shot In-Field Reflectance	808
<i>Hang Zhang, Kristin Dana, and Ko Nishino</i>	
Saliency Detection with Recurrent Fully Convolutional Networks	825
<i>Linzhao Wang, Lijun Wang, Huchuan Lu, Pingping Zhang, and Xiang Ruan</i>	

Deep3D: Fully Automatic 2D-to-3D Video Conversion with Deep Convolutional Neural Networks	842
<i>Junyuan Xie, Ross Girshick, and Ali Farhadi</i>	
Temporal Model Adaptation for Person Re-identification	858
<i>Niki Martinel, Abir Das, Christian Micheloni, and Amit K. Roy-Chowdhury</i>	
Author Index	879

Computer Vision – ECCV 2016

14th European Conference, Amsterdam, The
Netherlands, October 11–14, 2016, Proceedings, Part
IV

Leibe, B.; Matas, J.; Sebe, N.; Welling, M. (Eds.)

2016, XXIX, 881 p. 367 illus., Softcover

ISBN: 978-3-319-46492-3