

Contents – Part VI

Poster Session 6 (Continued)

Spatio-Temporally Consistent Correspondence for Dense Dynamic Scene Modeling	3
<i>Dinghuang Ji, Enrique Dunn, and Jan-Michael Frahm</i>	
3D Image Reconstruction from X-Ray Measurements with Overlap.	19
<i>Maria Klodt and Raphael Hauser</i>	
DeeperCut: A Deeper, Stronger, and Faster Multi-person Pose Estimation Model	34
<i>Eldar Insafutdinov, Leonid Pishchulin, Bjoern Andres, Mykhaylo Andriluka, and Bernt Schiele</i>	
Resonant Deformable Matching: Simultaneous Registration and Reconstruction	51
<i>John Corring and Anand Rangarajan</i>	
Unsupervised Learning of Visual Representations by Solving Jigsaw Puzzles	69
<i>Mehdi Noroozi and Paolo Favaro</i>	
COCO Attributes: Attributes for People, Animals, and Objects	85
<i>Genevieve Patterson and James Hays</i>	
Temporally Robust Global Motion Compensation by Keypoint-Based Congealing.	101
<i>S. Morteza Safdarnejad, Yousef Atoum, and Xiaoming Liu</i>	
Salient Deconvolutional Networks.	120
<i>Aravindh Mahendran and Andrea Vedaldi</i>	
Visualizing Image Priors	136
<i>Tamar Rott Shaham and Tomer Michaeli</i>	
Exploiting Semantic Information and Deep Matching for Optical Flow	154
<i>Min Bai, Wenjie Luo, Kaustav Kundu, and Raquel Urtasun</i>	
Similarity Registration Problems for 2D/3D Ultrasound Calibration.	171
<i>Francisco Vasconcelos, Donald Peebles, Sebastien Ourselin, and Danail Stoyanov</i>	

Adaptive Signal Recovery on Graphs via Harmonic Analysis for Experimental Design in Neuroimaging	188
<i>Won Hwa Kim, Seong Jae Hwang, Nagesh Adluru, Sterling C. Johnson, and Vikas Singh</i>	
A Benchmark for Automatic Visual Classification of Clinical Skin Disease Images	206
<i>Xiaoxiao Sun, Jufeng Yang, Ming Sun, and Kai Wang</i>	
Deep Learning 3D Shape Surfaces Using Geometry Images	223
<i>Ayan Sinha, Jing Bai, and Karthik Ramani</i>	
Deep Image Retrieval: Learning Global Representations for Image Search . . .	241
<i>Albert Gordo, Jon Almazán, Jerome Revaud, and Diane Larlus</i>	
Building Scene Models by Completing and Hallucinating Depth and Semantics	258
<i>Miaomiao Liu, Xuming He, and Mathieu Salzmann</i>	
Weakly Supervised Learning of Heterogeneous Concepts in Videos	275
<i>Sohil Shah, Kuldeep Kulkarni, Arijit Biswas, Ankit Gandhi, Om Deshmukh, and Larry S. Davis</i>	
Learning Semantic Deformation Flows with 3D Convolutional Networks . . .	294
<i>M. Ersin Yumer and Niloy J. Mitra</i>	
Recurrent Instance Segmentation	312
<i>Bernardino Romera-Paredes and Philip Hilaire Sean Torr</i>	
Individualness and Determinantal Point Processes for Pedestrian Detection . .	330
<i>Donghoon Lee, Geonho Cha, Ming-Hsuan Yang, and Songhwai Oh</i>	
3D	
Real-Time 3D Reconstruction and 6-DoF Tracking with an Event Camera . . .	349
<i>Hanme Kim, Stefan Leutenegger, and Andrew J. Davison</i>	
Single Image 3D Interpreter Network	365
<i>Jiajun Wu, Tianfan Xue, Joseph J. Lim, Yuandong Tian, Joshua B. Tenenbaum, Antonio Torralba, and William T. Freeman</i>	
Dual Structured Light 3D Using a 1D Sensor	383
<i>Jian Wang, Aswin C. Sankaranarayanan, Mohit Gupta, and Srinivasa G. Narasimhan</i>	
Shape Acquisition and Registration for 3D Endoscope Based on Grid Pattern Projection	399
<i>Ryo Furukawa, Hiroki Morinaga, Yoji Sanomura, Shinji Tanaka, Shigeto Yoshida, and Hiroshi Kawasaki</i>	

Poster Session 7

Target Response Adaptation for Correlation Filter Tracking	419
<i>Adel Bibi, Matthias Mueller, and Bernard Ghanem</i>	
Learning Image Matching by Simply Watching Video	434
<i>Gucan Long, Laurent Kneip, Jose M. Alvarez, Hongdong Li, Xiaohu Zhang, and Qifeng Yu</i>	
A Distance for HMMs Based on Aggregated Wasserstein Metric and State Registration	451
<i>Yukun Chen, Jianbo Ye, and Jia Li</i>	
LIFT: Learned Invariant Feature Transform	467
<i>Kwang Moo Yi, Eduard Trulls, Vincent Lepetit, and Pascal Fua</i>	
Learning a Predictable and Generative Vector Representation for Objects. . . .	484
<i>Rohit Girdhar, David F. Fouhey, Mikel Rodriguez, and Abhinav Gupta</i>	
HouseCraft: Building Houses from Rental Ads and Street Views	500
<i>Hang Chu, Shenlong Wang, Raquel Urtasun, and Sanja Fidler</i>	
Superpixel-Based Two-View Deterministic Fitting for Multiple-Structure Data.	517
<i>Guobao Xiao, Hanzi Wang, Yan Yan, and David Suter</i>	
Instance-Sensitive Fully Convolutional Networks	534
<i>Jifeng Dai, Kaiming He, Yi Li, Shaoqing Ren, and Jian Sun</i>	
Domain Adaptive Fisher Vector for Visual Recognition	550
<i>Li Niu, Jianfei Cai, and Dong Xu</i>	
Deep Robust Encoder Through Locality Preserving Low-Rank Dictionary . . .	567
<i>Zhengming Ding, Ming Shao, and Yun Fu</i>	
Pattern Mining Saliency	583
<i>Yuqiu Kong, Lijun Wang, Xiuping Liu, Huchuan Lu, and Xiang Ruan</i>	
Streaming Video Segmentation via Short-Term Hierarchical Segmentation and Frame-by-Frame Markov Random Field Optimization	599
<i>Won-Dong Jang and Chang-Su Kim</i>	
Learning to Learn: Model Regression Networks for Easy Small Sample Learning.	616
<i>Yu-Xiong Wang and Martial Hebert</i>	
Shape from Water: Bispectral Light Absorption for Depth Recovery	635
<i>Yuta Asano, Yingqiang Zheng, Ko Nishino, and Imari Sato</i>	

Learning Dynamic Hierarchical Models for Anytime Scene Labeling.	650
<i>Buyu Liu and Xuming He</i>	
Semantic 3D Reconstruction of Heads.	667
<i>Fabio Maninchedda, Christian Häne, Bastien Jacquet, Amaël Delaunoy, and Marc Pollefeys</i>	
Human Attribute Recognition by Deep Hierarchical Contexts.	684
<i>Yining Li, Chen Huang, Chen Change Loy, and Xiaouu Tang</i>	
Person Re-identification via Recurrent Feature Aggregation.	701
<i>Yichao Yan, Bingbing Ni, Zhichao Song, Chao Ma, Yan Yan, and Xiaokang Yang</i>	
Biconvex Relaxation for Semidefinite Programming in Computer Vision. . . .	717
<i>Sohil Shah, Abhay Kumar Yadav, Carlos D. Castillo, David W. Jacobs, Christoph Studer, and Tom Goldstein</i>	
Image Co-segmentation Using Maximum Common Subgraph Matching and Region Co-growing.	736
<i>Avik Hati, Subhasis Chaudhuri, and Rajbabu Velmurugan</i>	
End-to-End Localization and Ranking for Relative Attributes.	753
<i>Krishna Kumar Singh and Yong Jae Lee</i>	
Efficient Large Scale Image Classification via Prediction Score Decomposition.	770
<i>Duy-Dinh Le, Tien-Dung Mai, Shin'ichi Satoh, Thanh Duc Ngo, and Duc Anh Duong</i>	
Stochastic Dykstra Algorithms for Metric Learning with Positive Definite Covariance Descriptors.	786
<i>Tomoki Matsuzawa, Raissa Relator, Jun Sese, and Tsuyoshi Kato</i>	
MeshFlow: Minimum Latency Online Video Stabilization.	800
<i>Shuaicheng Liu, Ping Tan, Lu Yuan, Jian Sun, and Bing Zeng</i>	
Large-Scale Training of Shadow Detectors with Noisily-Annotated Shadow Examples.	816
<i>Tomás F. Yago Vicente, Le Hou, Chen-Ping Yu, Minh Hoai, and Dimitris Samaras</i>	
RNN Fisher Vectors for Action Recognition and Image Annotation.	833
<i>Guy Lev, Gil Sadeh, Benjamin Klein, and Lior Wolf</i>	
CDT: Cooperative Detection and Tracking for Tracing Multiple Objects in Video Sequences.	851
<i>Han-Ul Kim and Chang-Su Kim</i>	

MARS: A Video Benchmark for Large-Scale Person Re-Identification.	868
<i>Liang Zheng, Zhi Bie, Yifan Sun, Jingdong Wang, Chi Su,</i>	
<i>Shengjin Wang, and Qi Tian</i>	

Author Index	885
-------------------------------	-----

Computer Vision – ECCV 2016

14th European Conference, Amsterdam, The

Netherlands, October 11–14, 2016, Proceedings, Part VI

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

2016, XXIX, 887 p. 349 illus., Softcover

ISBN: 978-3-319-46465-7