

IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE

A publication of the IEEE Computer Society

SEPTEMBER 2014

VOLUME 36

NUMBER 9

ITPIDJ

(ISSN 0162-8828)

REGULAR PAPERS

| | |
|---|------|
| <i>Bayesian Estimation of the von-Mises Fisher Mixture Model with Variational Inference</i> J. Taghia, Z. Ma, and A. Leijon | 1701 |
| <i>Combining Structure and Parameter Adaptation of HMMs for Printed Text Recognition</i> K. Ait-Mohand, T. Paquet, and N. Ragot | 1716 |
| <i>Dense 3D Reconstruction from High Frame-Rate Video Using a Static Grid Pattern</i> R. Sagawa, R. Furukawa, and H. Kawasaki | 1733 |
| <i>Fast Orthogonal Haar Transform Pattern Matching via Image Square Sum</i> Y. Li, H. Li, and Z. Cai | 1748 |
| <i>Image Segmentation Using Higher-Order Correlation Clustering</i> S. Kim, C.D. Yoo, S. Nowozin, and P. Kohli | 1761 |
| <i>Interactive Phrases: Semantic Descriptions for Human Interaction Recognition</i> Y. Kong, Y. Jia, and Y. Fu | 1775 |
| <i>Knowledge Adaptation with Partially Shared Features for Event Detection Using Few Exemplars</i> Z. Ma, Y. Yang, N. Sebe, and A.G. Hauptmann | 1789 |
| <i>Occlusion Reasoning for Object Detection under Arbitrary Viewpoint</i> E. Hsiao and M. Hebert | 1803 |
| <i>Photometric Stereo Using Sparse Bayesian Regression for General Diffuse Surfaces</i> S. Ikehata, D. Wipf, Y. Matsushita, and K. Aizawa | 1816 |
| <i>Scale Space for Camera Invariant Features</i> L. Puig, J.J. Guerrero, and K. Daniilidis | 1832 |
| <i>Segmentation and Enhancement of Latent Fingerprints: A Coarse to Fine Ridge Structure Dictionary</i> K. Cao, E. Liu, and A.K. Jain | 1847 |
| <i>The Hidden Sides of Names—Face Modeling with First Name Attributes</i> H. Chen, A.C. Gallagher, and B. Girod | 1860 |
| <i>The Spike-and-Slab RBM and Extensions to Discrete and Sparse Data Distributions</i> A. Courville, G. Desjardins, J. Bergstra, and Y. Bengio | 1874 |

SHORT PAPERS

| | |
|---|------|
| <i>Direct Orthogonal Distance to Quadratic Surfaces in 3D</i> G.K. Lott III | 1888 |
| <i>Efficient Energy Minimization for Enforcing Label Statistics</i> Y. Lim, K. Jung, and P. Kohli | 1893 |
| <i>Low-Level Hierarchical Multiscale Segmentation Statistics of Natural Images</i> E. Akbas and N. Ahuja | 1900 |

Published in cooperation with: **Aerospace & Electronic Systems Society, Control Systems Society, Engineering in Medicine & Biology Society, Information Theory Society, Systems, Man & Cybernetics Society, Ultrasonics, Ferroelectrics, & Frequency Control Society**

Indexed in MEDLINE®/PubMed®
and indexed in ISI



www.computer.org
tpami@computer.org

