

IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE

A publication of the IEEE Computer Society

APRIL 2015

VOLUME 37

NUMBER 4

ITPIDJ

(ISSN 0162-8828)

REGULAR PAPERS

<i>A Scalable and Accurate Descriptor for Dynamic Textures Using Bag of System Trees</i> A. Mumtaz, E. Coviello, G.R.G. Lanckriet, and A.B. Chan	697
<i>Deep Reconstruction Models for Image Set Classification</i> M. Hayat, M. Bennamoun, and S. An	713
<i>Generalized Weiszfeld Algorithms for L_q Optimization</i> K. Aftab, R. Hartley, and J. Trumpf	728
<i>Joint Individual-Group Modeling for Tracking</i> L. Bazzani, M. Zanotto, M. Cristani, and V. Murino	746
<i>Mirror Surface Reconstruction from a Single Image</i> M. Liu, R. Hartley, and M. Salzmann	760
<i>On Bayesian Network Classifiers with Reduced Precision Parameters</i> S. Tschiatschek and F. Pernkopf	774
<i>Projection Operators and Moment Invariants to Image Blurring</i> J. Flusser, T. Suk, J. Boldyš, and B. Zitová	786
<i>Query Specific Rank Fusion for Image Retrieval</i> S. Zhang, M. Yang, T. Cour, K. Yu, and D.N. Metaxas	803
<i>Single and Multiple Object Tracking Using a Multi-Feature Joint Sparse Representation</i> W. Hu, W. Li, X. Zhang, and S. Maybank	816
<i>Stereo Matching Using Tree Filtering</i> Q. Yang	834
<i>Stereo Reconstruction of Droplet Flight Trajectories</i> L.A. Zarrabeitia, F.Z. Qureshi, and D.A. Aruliah	847
<i>Unsupervised Object Class Discovery via Saliency-Guided Multiple Class Learning</i> J.-Y. Zhu, J. Wu, Y. Xu, E. Chang, and Z. Tu	862
<i>Variational Bayesian Matrix Factorization for Bounded Support Data</i> Z. Ma, A.E. Teschendorff, A. Leijon, Y. Qiao, H. Zhang, and J. Guo	876

SHORT PAPERS

<i>Normal Estimation of a Transparent Object Using a Video</i> S.-K. Yeung, T.-P. Wu, C.-K. Tang, T.F. Chan, and S.J. Osher	890
<i>Universality of the Local Marginal Polytope</i> D. Průša and T. Werner	898

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

