

Contents

Person Re-identification Dataset with RGB-D Camera in a Top-View Configuration	1
<i>Daniele Liciotti, Marina Paolanti, Emanuele Frontoni, Adriano Mancini, and Primo Zingaretti</i>	
Pervasive System for Consumer Behaviour Analysis in Retail Environments	12
<i>Daniele Liciotti, Emanuele Frontoni, Adriano Mancini, and Primo Zingaretti</i>	
Estimation of Task Difficulty and Habituation Effect While Visual Manipulation Using Pupillary Response	24
<i>Asami Matsumoto, Yuta Tange, Atsushi Nakazawa, and Toyoaki Nishida</i>	
Robust Probabilistic Logo Detection in Broadcast Videos for Audience Measurement.	36
<i>P.L. Mazzeo, M. Leo, P. Spagnolo, M. Del Coco, P. Carcagni, and C. Distantè</i>	
Saliency Prediction for Visual Regions of Interest with Applications in Advertising.	48
<i>Shailee Jain and S. Sowmya Kamath</i>	
Person Invariant Classification of Subtle Facial Expressions Using Coded Movement Direction of Keypoints	61
<i>Kosuke Sasaki, Manabu Hashimoto, and Noriko Nagata</i>	
A Two-Directional Two-Dimensional PCA Correlation Filter in the Phase only Spectrum for Face Recognition in Video.	73
<i>Víctor E. Alonso, Rogerio Enríquez-Caldera, and L. Enrique Sucar</i>	
End to End Deep Learning for Single Step Real-Time Facial Expression Recognition	88
<i>Bhargava Reddy, Ye-Hoon Kim, Sojung Yun, Junik Jang, and Soonhyuk Hong</i>	
Comparative Study of Human Age Estimation Based on Hand-Crafted and Deep Face Features	98
<i>C. Belver, I. Arganda-Carreras, and F. Dornaika</i>	
Pose-Selective Max Pooling for Measuring Similarity	113
<i>Xiang Xiang and Trac D. Tran</i>	

Complementing SRCNN by Transformed Self-Exemplars.	127
<i>Andreas Aakerberg, Christoffer B. Rasmussen, Kamal Nasrollahi, and Thomas B. Moeslund</i>	
Human Head Pose Estimation on SASE Database Using Random Hough Regression Forests	137
<i>Iiris Lüsi, Sergio Escarela, and Gholamreza Anbarjafari</i>	
Spatio-temporal Pain Recognition in CNN-Based Super-Resolved Facial Images	151
<i>Marco Bellantonio, Mohammad A. Haque, Pau Rodriguez, Kamal Nasrollahi, Taisi Telve, Sergio Escarela, Jordi Gonzalez, Thomas B. Moeslund, Pejman Rasti, and Gholamreza Anbarjafari</i>	
Author Index	163

Video Analytics. Face and Facial Expression Recognition
and Audience Measurement

Third International Workshop, VAAM 2016, and Second
International Workshop, FFER 2016, Cancun, Mexico,
December 4, 2016, Revised Selected Papers

Nasrollahi, K.; Distanti, C.; Hua, G.; Cavallaro, A.;

Moeslund, Th.B.; Battiato, S.; Ji, Q. (Eds.)

2017, X, 163 p. 86 illus., Softcover

ISBN: 978-3-319-56686-3