
REFERENCES

- [1] Belongie, S., Malik, J., and Puzicha, J. (2002). Shape matching and object recognition using shape contexts. *IEEE Transactions on Pattern Analysis and Machine Intelligence*.
- [2] Berg, A. C., Berg, T. L., and Malik, J. (2005). Shape matching and object recognition using low distortion correspondence. In *Proc IEEE Conf on Computer Vision and Pattern Recognition*, San Diego CA, June 20-25.
- [3] Brown, M. S., Sun, M., Yang, R., Yun, L., and Seales, W. B. (2007). Restoring 2d content from distorted documents. *IEEE Transactions on Pattern Analysis and Machine Intelligence*.
- [4] Clark, P. and Mirmehdi, M. (2002). Recognising text in real scenes. *International Journal on Document Analysis and Recognition*, 4:243–257.
- [5] Jin, Y. and Geman, S. (2006). Context and hierarchy in a probabilistic image model. In *Proc IEEE Conf on Computer Vision and Pattern Recognition*, New York NY, June 17-22.
- [6] Johnson, A. E. and Herbert, M. (1999). Using spin images for efficient object recognition in cluttered 3d scenes. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 21(5):433–449.
- [7] Jurie, F. and Triggs, B. (2005). Creating efficient codebooks for visual recognition. In *Proc 10th Int Conf on Computer Vision*, Beijing, China, Oct 15-21.
- [8] Kise, K. and Doermann, D. S., editors (2007). *Proceedings of the Second International Workshop on Camera-based Document Analysis and Recognition CBDAR*, Curitiba, Brazil. <http://www.ims-lab.jp/cbdar2007/>.
- [9] Krempp, A., Geman, D., and Amit, Y. (2002). Sequential learning of reusable parts for object detection. Technical report, Computer Science Department, Johns Hopkins University.
- [10] Kumar, S., Gupta, R., Khanna, N., Chaudhury, S., and Joshi, S. (2007). Text extraction and document image segmentation using matched wavelets and mrf model. *IEEE Transactions on Image Processing*, 16(8):2117–2128.
- [11] Lazebnik, S., Schmid, C., and Ponce, J. (2005). A sparse texture representation using local affine regions. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 27(8):1265–1278.

- [12] le Cun, Y., Bottou, L., Bengio, Y., and Haffner, P. (1998). Gradient-based learning applied to document recognition. *Proceedings of the IEEE*, 86(11):2278–2324.
- [13] Lowe, D. G. (1999). Object recognition from local scaleinvariant features. In *Proc 7th Int Conf on Computer Vision*, Corfu, Greece.
- [14] Pal, U., Sharma, N., Wakabayashi, T., and Kimura, F. (2007). Off-line handwritten character recognition of devnagari script. In *International Conference on Document Analysis and Recognition (ICDAR)*, pages 496–500, Curitiba, PR, Brazil. IEEE.
- [15] Plamondon, R. and Srihari, S. N. (2000). On-line and offline handwriting recognition: A comprehensive survey. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 22(1):63–84.
- [16] Tu, Z., Chen, X., Yuille, A. L., and Zhu, S. C. (2005). Image parsing: Unifying segmentation, detection, and recognition. *International Journal of Computer Vision*, Marr Prize Issue.
- [17] Varma, M. and Ray, D. (2007). Learning the discriminative power-invariance trade-off. In *Proceedings of the IEEE International Conference on Computer Vision*, Rio de Janeiro, Brazil.
- [18] Varma, M. and Zisserman, A. (2002). Classifying images of materials: Achieving viewpoint and illumination independence. In *Proceedings of the 7th European Conference on Computer Vision*, Copenhagen, Denmark, volume 3, pages 255–271. Springer-Verlag.
- [19] Varma, M. and Zisserman, A. (2003). Texture classification: Are filter banks necessary? In *Proc IEEE Conf on Computer Vision and Pattern Recognition*, Madison WI, June 18-20, volume 2, pages 691–698.
- [20] Weinman, J. J. and Learned Miller, E. (2006). Improving recognition of novel input with similarity. In *Proc IEEE Conf on Computer Vision and Pattern Recognition*, New York NY, June 17-22.
- [21] Zhang, H., Berg, A. C., Maire, M., and Malik, J. (2006). SVM-KNN: Discriminative nearest neighbor classification for visual category recognition. In *Proc IEEE Conf on Computer Vision and Pattern Recognition*, New York NY, June 17-22.

- [22] C. Saravanan (2010) Second International Conference on Computer Engineering and Applications titled Color Image to Grayscale Image Conversion.
- [23] Bing Wang and ShaoSheng Fan (2009) Second International Workshop on Computer Science and Engineering on An improved CANNY edge detection algorithm.
- [24] John Canny (1986) IEEE Transactions on pattern analysis and machine intelligence, Vol. Pami-8, No. 6 on A Computational Approach to Edge Detection.
- [25] Ray R. Hashemi, Arlie Epperson, Steve Jones, Leij In, John Talbrut on Identification and Removal of extraneous graphics in a commercial OCR operation.
- [26] Jinse Shin, Dongsung Kim, Christoph Ruland (2014). Content based image authentication using HOG feature descriptor.
- [27] Ankit Kumar Sah, Showmik Bhowmik, Samir Malakar (2017). Text and non-text recognition using modified HOG descriptor.
- [28] Sheng Lu, Member, IEEE, Xinnian Chen, Jørgen K. Kanter, Irene C. Solomon, and Ki H. Chon, Senior Member IEEE (2008). Automatic Selection of the Threshold Value r for Approximate Entropy.