

Bibliography

- [1] Claudio Cusano. Region-based annotation of digital photographs. *Computational Color Imaging*, pages 47–59, 2011.
- [2] Xiaobai Liu, Bin Cheng, Shuicheng Yan, Jinhui Tang, Tat Seng Chua, and Hai Jin. Label to region by bi-layer sparsity priors. In *Proceedings of the 17th ACM international conference on Multimedia*, pages 115–124. ACM, 2009.
- [3] H Emrah Tasli, Ronan Sifre, and Theo Gevers. Superpixel based mid-level image description for image recognition. *Journal of Visual Communication and Image Representation*, 33:301–308, 2015.
- [4] Dengsheng Zhang, Md Monirul Islam, and Guojun Lu. A review on automatic image annotation techniques. *Pattern Recognition*, 45(1):346–362, 2012.
- [5] Joost Van de Weijer, Theo Gevers, and Andrew D Bagdanov. Boosting color saliency in image feature detection. *IEEE transactions on pattern analysis and machine intelligence*, 28(1):150–156, 2006.
- [6] Liangliang Cao and Li Fei-Fei. Spatially coherent latent topic model for concurrent segmentation and classification of objects and scenes. In *Computer Vision, 2007. ICCV 2007. IEEE 11th International Conference on*, pages 1–8. IEEE, 2007.
- [7] Li-Jia Li, Richard Socher, and Li Fei-Fei. Towards total scene understanding: Classification, annotation and segmentation in an automatic framework. In *Computer Vision and Pattern Recognition, 2009. CVPR 2009. IEEE Conference on*, pages 2036–2043. IEEE, 2009.
- [8] Sheng-hua Zhong, Yan Liu, Yang Liu, and Fu-lai Chung. Region level annotation by fuzzy based contextual cueing label propagation. *Multimedia tools and applications*, 70(2):625–645, 2014.

-
- [9] Agus Pratondo, Chee-Kong Chui, and Sim-Heng Ong. Robust edge-stop functions for edge-based active contour models in medical image segmentation. *IEEE Signal Processing Letters*, 23(2):222–226, 2016.
- [10] Agus Pratondo, Chee-Kong Chui, and Sim-Heng Ong. Integrating machine learning with region-based active contour models in medical image segmentation. *Journal of Visual Communication and Image Representation*, 43:1–9, 2017.
- [11] Mark S Nixon and Alberto S Aguado. *Feature extraction & image processing for computer vision*. Academic Press, 2012.
- [12] Radhakrishna Achanta, Appu Shaji, Kevin Smith, Aurelien Lucchi, Pascal Fua, and Sabine Süsstrunk. Slic superpixels compared to state-of-the-art superpixel methods. *IEEE transactions on pattern analysis and machine intelligence*, 34(11):2274–2282, 2012.
- [13] Mrigank Rochan, Shafin Rahman, Neil DB Bruce, and Yang Wang. Segmenting objects in weakly labeled videos. In *Computer and Robot Vision (CRV), 2014 Canadian Conference on*, pages 119–126. IEEE, 2014.
- [14] Zbigniew Michalewicz. *Genetic algorithms+ data structures= evolution programs*. Springer Science & Business Media, 2013.
- [15] Rui Shi, Huamin Feng, Tat-Seng Chua, and Chin-Hui Lee. An adaptive image content representation and segmentation approach to automatic image annotation. *Image and Video Retrieval*, pages 1951–1951, 2004.
- [16] Claudio Cusano, Gianluigi Ciocca, and Raimondo Schettini. Image annotation using svm. In *Proceedings of SPIE*, volume 5304, pages 330–338. Citeseer, 2004.
- [17] P Kovesi. Image segmentation using slic superpixels and dbscan clustering. *University of Western Australia, Center for Exploration Targeting, Image Analysis Group*, 2013.
- [18] Chih-Chung Chang and Chih-Jen Lin. Libsvm: a library for support vector machines. *ACM transactions on intelligent systems and technology (TIST)*, 2(3):27, 2011.

- [19] Bryan C Russell, Antonio Torralba, Kevin P Murphy, and William T Freeman. Labelme: a database and web-based tool for image annotation. *International journal of computer vision*, 77(1):157–173, 2008.
- [20] Mohamed Elhoseiny, Amr Bakry, and Ahmed Elgammal. Multiclass object classification in video surveillance systems-experimental study. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops*, pages 788–793, 2013.