Some title here

Michal Staniaszek

February 6, 2015

Abstract

this is the abstract

1 Introduction

2 Background

References

[1] Liefeng Bo, Xiaofeng Ren, and Dieter Fox. "Hierarchical matching pursuit for image classification: Architecture and fast algorithms". In: *Advances in neural information processing systems*. 2011, pp. 2115–2123.

[2] Nils Bore, Patric Jensfelt, and John Folkesson. "Finding Frequent 3D structures in Human Environments". In: (2014).

[3] Björn Browatzki et al. "Going into depth: Evaluating 2D and 3D cues for object classification on a new, large-scale object dataset". In: *Computer Vision Workshops (ICCV Workshops), 2011 IEEE International Conference on*. IEEE. 2011, pp. 1189–1195.

[4] Kevin Lai et al. "A Scalable Tree-Based Approach for Joint Object and Pose Recognition." In: *AAAI*. 2011.

[5] C.A. Mueller, K. Pathak, and A. Birk. "Object recognition in RGBD images of cluttered environments using graph-based categorization with unsupervised learning of shape parts". In: *Intelligent Robots and Systems (IROS), 2013 IEEE/RSJ International Conference on*. 2013, pp. 2248–2255.

[6] David Nister and Henrik Stewenius. "Scalable recognition with a vocabulary tree". In: *Computer Vision and Pattern Recognition, 2006 IEEE Computer Society Conference on*. Vol. 2. IEEE. 2006, pp. 2161–2168.

[7] James Philbin et al. "Object retrieval with large vocabularies and fast spatial matching". In: *Computer Vision and Pattern Recognition, 2007. CVPR'07. IEEE Conference on*. IEEE. 2007, pp. 1–8.

[8] Yong Rui and Thomas Huang. "Optimizing learning in image retrieval". In: *Computer Vision and Pattern Recognition, 2000. Proceedings. IEEE Conference on*. Vol. 1. IEEE. 2000, pp. 236–243.

[9] Kate Saenko et al. "Practical 3-D object detection using category and instance-level appearance models". In: *Intelligent Robots and Systems (IROS), 2011 IEEE/RSJ International Conference on*. IEEE. 2011, pp. 793–800.

[10] Walter Wohlkinger and Markus Vincze. "Shape-based depth image to 3D model matching and classification with inter-view similarity". In: *Intelligent Robots and Systems (IROS), 2011 IEEE/RSJ International Conference on*. IEEE. 2011, pp. 4865–4870.