An example of using many bibtex files

Henry T.H. Tu

01-jan-2016

1 Testing the citations

If you see question marks, it does not work. If you see numbers in square brackets, it works. [34, 41]

2 Downloading the bibtex files

You can go to http://dblp.uni-trier.de/pers/ to choose one person and download all the citations

3 Using the bibtex files

Include all the files with the command \bibliography{file1,file2,file3}

References

- [1] 1999 IEEE Wireless Communications and Networking Conference, WCNC 1999, September 21-24, 1999, New Orleans, Louisiana, USA. IEEE, 1999.
- [2] 2001 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2001), with CD-ROM, 8-14 December 2001, Kauai, HI, USA. IEEE Computer Society, 2001.
- [3] 2003 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2003), 16-22 June 2003, Madison, WI, USA. IEEE Computer Society, 2003.
- [4] 9th IEEE International Conference on Computer Vision (ICCV 2003), 14-17 October 2003, Nice, France. IEEE Computer Society, 2003.
- [5] Advances in Neural Information Processing Systems 17 [Neural Information Processing Systems, NIPS 2004, December 13-18, 2004, Vancouver, British Columbia, Canada], 2004.

- [6] Image and Video Retrieval: Third International Conference, CIVR 2004, Dublin, Ireland, July 21-23, 2004. Proceedings, volume 3115 of Lecture Notes in Computer Science. Springer, 2004.
- [7] 10th IEEE International Conference on Computer Vision (ICCV 2005), 17-20 October 2005, Beijing, China. IEEE Computer Society, 2005.
- [8] Advances in Neural Information Processing Systems 18 [Neural Information Processing Systems, NIPS 2005, December 5-8, 2005, Vancouver, British Columbia, Canada], 2005.
- [9] IEEE Conference on Computer Vision and Pattern Recognition, CVPR Workshops 2005, San Diego, CA, USA, 21-23 September, 2005. IEEE, 2005.
- [10] Proceedings of the 2005 International Conference on Image Processing, ICIP 2005, Genoa, Italy, September 11-14, 2005. IEEE, 2005.
- [11] 18th International Conference on Pattern Recognition (ICPR 2006), 20-24 August 2006, Hong Kong, China. IEEE Computer Society, 2006.
- [12] 2006 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2006), 17-22 June 2006, New York, NY, USA. IEEE Computer Society, 2006.
- [13] IEEE Conference on Computer Vision and Pattern Recognition, CVPR Workshops 2006, New York, NY, USA, 17-22 June, 2006. IEEE, 2006.
- [14] Fourth Canadian Conference on Computer and Robot Vision (CRV 2007), 28-30 May 2007, Montreal, Quebec, Canada. IEEE Computer Society, 2007.
- [15] IEEE 11th International Conference on Computer Vision, ICCV 2007, Rio de Janeiro, Brazil, October 14-20, 2007. IEEE, 2007.
- [16] 2008 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2008), 24-26 June 2008, Anchorage, Alaska, USA. IEEE Computer Society, 2008.
- [17] 2008 IEEE International Conference on Robotics and Automation, ICRA 2008, May 19-23, 2008, Pasadena, California, USA. IEEE, 2008.
- [18] IEEE Conference on Computer Vision and Pattern Recognition, CVPR Workshops 2008, Anchorage, AK, USA, 23-28 June, 2008. IEEE, 2008.
- [19] Proceedings of the International Conference on Image Processing, ICIP 2008, October 12-15, 2008, San Diego, California, USA. IEEE, 2008.
- [20] 2009 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2009), 20-25 June 2009, Miami, Florida, USA. IEEE Computer Society, 2009.

- [21] IEEE 12th International Conference on Computer Vision, ICCV 2009, Kyoto, Japan, September 27 - October 4, 2009. IEEE, 2009.
- [22] 44th Annual Conference on Information Sciences and Systems, CISS 2010, Princeton, NJ, USA, 17-19 March 2010. IEEE, 2010.
- [23] The Twenty-Third IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2010, San Francisco, CA, USA, 13-18 June 2010. IEEE Computer Society, 2010.
- [24] The 24th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2011, Colorado Springs, CO, USA, 20-25 June 2011. IEEE Computer Society, 2011.
- [25] 8th IEEE International Conference on Advanced Video and Signal-Based Surveillance, AVSS 2011, Klagenfurt, Austria, August 30 - September 2, 2011. IEEE Computer Society, 2011.
- [26] IEEE Workshop on Applications of Computer Vision (WACV 2011), 5-7 January 2011, Kona, HI, USA. IEEE Computer Society, 2011.
- [27] 2012 IEEE Conference on Computer Vision and Pattern Recognition, Providence, RI, USA, June 16-21, 2012. IEEE Computer Society, 2012.
- [28] 2013 IEEE Conference on Computer Vision and Pattern Recognition, Portland, OR, USA, June 23-28, 2013. IEEE, 2013.
- [29] IEEE International Conference on Computer Vision, ICCV 2013, Sydney, Australia, December 1-8, 2013. IEEE, 2013.
- [30] Proceedings of the 13. IAPR International Conference on Machine Vision Applications, MVA 2013, Kyoto, Japan, May 20-23, 2013, 2013.
- [31] 2014 IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2014, Columbus, OH, USA, June 23-28, 2014. IEEE, 2014.
- [32] 22nd International Conference on Pattern Recognition, ICPR 2014, Stockholm, Sweden, August 24-28, 2014. IEEE, 2014.
- [33] IEEE Winter Conference on Applications of Computer Vision, Steamboat Springs, CO, USA, March 24-26, 2014. IEEE Computer Society, 2014.
- [34] Xesca Amengual, Anna Bosch, and Josep Lluís de la Rosa. Review of methods to predict social image interestingness and memorability. In Azzopardi and Petkov [35], pages 64–76.
- [35] George Azzopardi and Nicolai Petkov, editors. Computer Analysis of Images and Patterns 16th International Conference, CAIP 2015, Valletta, Malta, September 2-4, 2015 Proceedings, Part I, volume 9256 of Lecture Notes in Computer Science. Springer, 2015.

- [36] Ricardo A. Baeza-Yates, Arjen P. de Vries, Hugo Zaragoza, Berkant Barla Cambazoglu, Vanessa Murdock, Ronny Lempel, and Fabrizio Silvestri, editors. Advances in Information Retrieval 34th European Conference on IR Research, ECIR 2012, Barcelona, Spain, April 1-5, 2012. Proceedings, volume 7224 of Lecture Notes in Computer Science. Springer, 2012.
- [37] Adela Barriuso and Antonio Torralba. Notes on image annotation. CoRR, abs/1210.3448, 2012.
- [38] Peter L. Bartlett, Fernando C. N. Pereira, Christopher J. C. Burges, Léon Bottou, and Kilian Q. Weinberger, editors. Advances in Neural Information Processing Systems 25: 26th Annual Conference on Neural Information Processing Systems 2012. Proceedings of a meeting held December 3-6, 2012, Lake Tahoe, Nevada, United States, 2012.
- [39] Suzanna Becker, Sebastian Thrun, and Klaus Obermayer, editors. Advances in Neural Information Processing Systems 15 [Neural Information Processing Systems, NIPS 2002, December 9-14, 2002, Vancouver, British Columbia, Canada]. MIT Press, 2003.
- [40] Yoshua Bengio, Dale Schuurmans, John D. Lafferty, Christopher K. I. Williams, and Aron Culotta, editors. Advances in Neural Information Processing Systems 22: 23rd Annual Conference on Neural Information Processing Systems 2009. Proceedings of a meeting held 7-10 December 2009, Vancouver, British Columbia, Canada. Curran Associates, Inc., 2009.
- [41] Anna Bosch, Xavier Cuff, Josep Lluís de la Rosa, and Albert Figueras. Robot-dog human interaction in urban search and rescue scenarios improving the efficiency of rescue teams in hazardous environments. In Ferrier et al. [65], pages 366–371.
- [42] Anna Bosch, Xavier Muñoz, and Jordi Freixenet. Segmentation and description of natural outdoor scenes. *Image Vision Comput.*, 25(5):727–740, 2007.
- [43] Anna Bosch, Xavier Muñoz, and Joan Martí. Using appearance and context for outdoor scene object classification. In *Proceedings of the 2005 International Conference on Image Processing, ICIP 2005, Genoa, Italy, September 11-14, 2005* [10], pages 1218–1221.
- [44] Anna Bosch, Xavier Muñoz, Joan Martí, and Arnau Oliver. Classifying natural objects on outdoor scenes. In López et al. [146], pages 115–122.
- [45] Anna Bosch, Xavier Muñoz, and Robert Marti. Which is the best way to organize/classify images by content? *Image Vision Comput.*, 25(6):778–791, 2007.
- [46] Anna Bosch, Xavier Muñoz, Arnau Oliver, and Joan Martí. Modeling and classifying breast tissue density in mammograms. In 2006 IEEE Computer

- Society Conference on Computer Vision and Pattern Recognition (CVPR 2006), 17-22 June 2006, New York, NY, USA [12], pages 1552–1558.
- [47] Anna Bosch, Xavier Muñoz, Arnau Oliver, and Robert Marti. Object and scene classification: what does a supervised approach provide us? In 18th International Conference on Pattern Recognition (ICPR 2006), 20-24 August 2006, Hong Kong, China [11], pages 773-777.
- [48] Anna Bosch, Andrew Zisserman, and Xavier Muñoz. Scene classification via plsa. In Leonardis et al. [136], pages 517–530.
- [49] Anna Bosch, Andrew Zisserman, and Xavier Muñoz. Image classification using random forests and ferns. In *IEEE 11th International Conference on Computer Vision*, *ICCV 2007*, *Rio de Janeiro*, *Brazil*, *October 14-20*, 2007 [15], pages 1–8.
- [50] Anna Bosch, Andrew Zisserman, and Xavier Muñoz. Representing shape with a spatial pyramid kernel. In Sebe and Worring [197], pages 401–408.
- [51] Anna Bosch, Andrew Zisserman, and Xavier Muñoz. Scene classification using a hybrid generative/discriminative approach. *IEEE Trans. Pattern Anal. Mach. Intell.*, 30(4):712–727, 2008.
- [52] Heinrich H. Bülthoff, Seong-Whan Lee, Tomaso A. Poggio, and Christian Wallraven, editors. Biologically Motivated Computer Vision Second International Workshop, BMCV 2002, Tübingen, Germany, November 22-24, 2002, Proceedings, volume 2525 of Lecture Notes in Computer Science. Springer, 2002.
- [53] Juan C. Caicedo and Svetlana Lazebnik. Active object localization with deep reinforcement learning. *CoRR*, abs/1511.06015, 2015.
- [54] Myung Jin Choi, Joseph J. Lim, Antonio Torralba, and Alan S. Willsky. Exploiting hierarchical context on a large database of object categories. In The Twenty-Third IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2010, San Francisco, CA, USA, 13-18 June 2010 [23], pages 129–136.
- [55] Myung Jin Choi, Antonio Torralba, and Alan S. Willsky. Context models and out-of-context objects. *Pattern Recognition Letters*, 33(7):853–862, 2012.
- [56] Myung Jin Choi, Antonio Torralba, and Alan S. Willsky. A tree-based context model for object recognition. *IEEE Trans. Pattern Anal. Mach. Intell.*, 34(2):240–252, 2012.
- [57] Kostas Daniilidis, Petros Maragos, and Nikos Paragios, editors. Computer Vision ECCV 2010 11th European Conference on Computer Vision, Heraklion, Crete, Greece, September 5-11, 2010, Proceedings, Part V, volume 6315 of Lecture Notes in Computer Science. Springer, 2010.

- [58] Kostas Daniilidis, Petros Maragos, and Nikos Paragios, editors. Computer Vision ECCV 2010, 11th European Conference on Computer Vision, Heraklion, Crete, Greece, September 5-11, 2010, Proceedings, Part I, volume 6311 of Lecture Notes in Computer Science. Springer, 2010.
- [59] Kostas Daniilidis, Petros Maragos, and Nikos Paragios, editors. Computer Vision ECCV 2010, 11th European Conference on Computer Vision, Heraklion, Crete, Greece, September 5-11, 2010, Proceedings, Part II, volume 6312 of Lecture Notes in Computer Science. Springer, 2010.
- [60] Kostas Daniilidis, Petros Maragos, and Nikos Paragios, editors. Computer Vision - ECCV 2010, 11th European Conference on Computer Vision, Heraklion, Crete, Greece, September 5-11, 2010, Proceedings, Part IV, volume 6314 of Lecture Notes in Computer Science. Springer, 2010.
- [61] Bradley C. Davis and Svetlana Lazebnik. Analysis of human attractiveness using manifold kernel regression. In *Proceedings of the International Conference on Image Processing, ICIP 2008, October 12-15, 2008, San Diego, California, USA* [19], pages 109–112.
- [62] Thomas G. Dietterich, Suzanna Becker, and Zoubin Ghahramani, editors. Advances in Neural Information Processing Systems 14 [Neural Information Processing Systems: Natural and Synthetic, NIPS 2001, December 3-8, 2001, Vancouver, British Columbia, Canada]. MIT Press, 2001.
- [63] Rob Fergus, Yair Weiss, and Antonio Torralba. Semi-supervised learning in gigantic image collections. In Bengio et al. [40], pages 522–530.
- [64] Robert Fergus, Hector Bernal, Yair Weiss, and Antonio Torralba. Semantic label sharing for learning with many categories. In Daniilidis et al. [58], pages 762–775.
- [65] Jean-Louis Ferrier, Alain Bernard, Oleg Yu. Gusikhin, and Kurosh Madani, editors. ICINCO 2012 Proceedings of the 9th International Conference on Informatics in Control, Automation and Robotics, Volume 2, Rome, Italy, 28 31 July, 2012. SciTePress, 2012.
- [66] Andrew W. Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. Computer Vision ECCV 2012 12th European Conference on Computer Vision, Florence, Italy, October 7-13, 2012, Proceedings, Part I, volume 7572 of Lecture Notes in Computer Science. Springer, 2012.
- [67] Andrew W. Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. Computer Vision ECCV 2012 12th European Conference on Computer Vision, Florence, Italy, October 7-13, 2012, Proceedings, Part II, volume 7573 of Lecture Notes in Computer Science. Springer, 2012.

- [68] Andrew W. Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. Computer Vision ECCV 2012 12th European Conference on Computer Vision, Florence, Italy, October 7-13, 2012, Proceedings, Part III, volume 7574 of Lecture Notes in Computer Science. Springer, 2012.
- [69] Andrew W. Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. Computer Vision ECCV 2012 12th European Conference on Computer Vision, Florence, Italy, October 7-13, 2012, Proceedings, Part IV, volume 7575 of Lecture Notes in Computer Science. Springer, 2012.
- [70] Andrew W. Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. Computer Vision ECCV 2012 12th European Conference on Computer Vision, Florence, Italy, October 7-13, 2012, Proceedings, Part V, volume 7576 of Lecture Notes in Computer Science. Springer, 2012.
- [71] Andrew W. Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. Computer Vision ECCV 2012 12th European Conference on Computer Vision, Florence, Italy, October 7-13, 2012, Proceedings, Part VI, volume 7577 of Lecture Notes in Computer Science. Springer, 2012.
- [72] Andrew W. Fitzgibbon, Svetlana Lazebnik, Pietro Perona, Yoichi Sato, and Cordelia Schmid, editors. Computer Vision ECCV 2012 12th European Conference on Computer Vision, Florence, Italy, October 7-13, 2012, Proceedings, Part VII, volume 7578 of Lecture Notes in Computer Science. Springer, 2012.
- [73] David J. Fleet, Tomás Pajdla, Bernt Schiele, and Tinne Tuytelaars, editors. Computer Vision ECCV 2014 13th European Conference, Zurich, Switzerland, September 6-12, 2014, Proceedings, Part III, volume 8691 of Lecture Notes in Computer Science. Springer, 2014.
- [74] David J. Fleet, Tomás Pajdla, Bernt Schiele, and Tinne Tuytelaars, editors. Computer Vision ECCV 2014 13th European Conference, Zurich, Switzerland, September 6-12, 2014, Proceedings, Part IV, volume 8692 of Lecture Notes in Computer Science. Springer, 2014.
- [75] David J. Fleet, Tomás Pajdla, Bernt Schiele, and Tinne Tuytelaars, editors. Computer Vision ECCV 2014 13th European Conference, Zurich, Switzerland, September 6-12, 2014, Proceedings, Part VI, volume 8694 of Lecture Notes in Computer Science. Springer, 2014.
- [76] David J. Fleet, Tomás Pajdla, Bernt Schiele, and Tinne Tuytelaars, editors. Computer Vision ECCV 2014 13th European Conference, Zurich, Switzerland, September 6-12, 2014, Proceedings, Part VII, volume 8695 of Lecture Notes in Computer Science. Springer, 2014.

- [77] Roland W. Fleming and Sunghee Kim, editors. Proceedings of the 3rd Symposium on Applied Perception in Graphics and Visualization, APGV 2006, Boston, Massachusetts, USA, July 28-29, 2006, volume 153 of ACM International Conference Proceeding Series. ACM, 2006.
- [78] David A. Forsyth, Philip H. S. Torr, and Andrew Zisserman, editors. Computer Vision ECCV 2008, 10th European Conference on Computer Vision, Marseille, France, October 12-18, 2008, Proceedings, Part I, volume 5302 of Lecture Notes in Computer Science. Springer, 2008.
- [79] David A. Forsyth, Philip H. S. Torr, and Andrew Zisserman, editors. Computer Vision - ECCV 2008, 10th European Conference on Computer Vision, Marseille, France, October 12-18, 2008, Proceedings, Part III, volume 5304 of Lecture Notes in Computer Science. Springer, 2008.
- [80] Jan-Michael Frahm, Pierre Fite Georgel, David Gallup, Tim Johnson, Rahul Raguram, Changchang Wu, Yi-Hung Jen, Enrique Dunn, Brian Clipp, and Svetlana Lazebnik. Building rome on a cloudless day. In Daniilidis et al. [60], pages 368–381.
- [81] Jan-Michael Frahm, Marc Pollefeys, Svetlana Lazebnik, Brian Clipp, David Gallup, Rahul Raguram, and Changchang Wu. Fast robust reconstruction of large-scale environments. In 44th Annual Conference on Information Sciences and Systems, CISS 2010, Princeton, NJ, USA, 17-19 March 2010 [22], pages 1-6.
- [82] William T. Freeman and Antonio Torralba. Shape recipes: Scene representations that refer to the image. In Becker et al. [39], pages 1335–1342.
- [83] Nathan Frey, Antonio Torralba, and Christopher Stauffer. Unsupervised non-parametric geospatial modeling from ground imagery. In *IEEE Winter Conference on Applications of Computer Vision, Steamboat Springs, CO, USA, March* 24-26, 2014 [33], pages 698–705.
- [84] Zoubin Ghahramani, Max Welling, Corinna Cortes, Neil D. Lawrence, and Kilian Q. Weinberger, editors. Advances in Neural Information Processing Systems 27: Annual Conference on Neural Information Processing Systems 2014, December 8-13 2014, Montreal, Quebec, Canada, 2014.
- [85] Yunchao Gong, Qifa Ke, Michael Isard, and Svetlana Lazebnik. A multiview embedding space for modeling internet images, tags, and their semantics. CoRR, abs/1212.4522, 2012.
- [86] Yunchao Gong, Qifa Ke, Michael Isard, and Svetlana Lazebnik. A multiview embedding space for modeling internet images, tags, and their semantics. *International Journal of Computer Vision*, 106(2):210–233, 2014.
- [87] Yunchao Gong, Sanjiv Kumar, Henry A. Rowley, and Svetlana Lazebnik. Learning binary codes for high-dimensional data using bilinear projections. In 2013 IEEE Conference on Computer Vision and Pattern Recognition, Portland, OR, USA, June 23-28, 2013 [28], pages 484-491.

- [88] Yunchao Gong, Sanjiv Kumar, Vishal Verma, and Svetlana Lazebnik. Angular quantization-based binary codes for fast similarity search. In Bartlett et al. [38], pages 1205–1213.
- [89] Yunchao Gong and Svetlana Lazebnik. Comparing data-dependent and data-independent embeddings for classification and ranking of internet images. In *The 24th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2011, Colorado Springs, CO, USA, 20-25 June 2011* [24], pages 2633–2640.
- [90] Yunchao Gong and Svetlana Lazebnik. Iterative quantization: A procrustean approach to learning binary codes. In *The 24th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2011, Colorado Springs, CO, USA, 20-25 June 2011* [24], pages 817–824.
- [91] Yunchao Gong, Svetlana Lazebnik, Albert Gordo, and Florent Perronnin. Iterative quantization: A procrustean approach to learning binary codes for large-scale image retrieval. *IEEE Trans. Pattern Anal. Mach. Intell.*, 35(12):2916–2929, 2013.
- [92] Yunchao Gong, Liwei Wang, Ruiqi Guo, and Svetlana Lazebnik. Multiscale orderless pooling of deep convolutional activation features. In Fleet et al. [76], pages 392–407.
- [93] Yunchao Gong, Liwei Wang, Ruiqi Guo, and Svetlana Lazebnik. Multiscale orderless pooling of deep convolutional activation features. CoRR, abs/1403.1840, 2014.
- [94] Yunchao Gong, Liwei Wang, Micah Hodosh, Julia Hockenmaier, and Svetlana Lazebnik. Improving image-sentence embeddings using large weakly annotated photo collections. In Fleet et al. [74], pages 529–545.
- [95] Luc J. Van Gool, editor. Pattern Recognition, 24th DAGM Symposium, Zurich, Switzerland, September 16-18, 2002, Proceedings, volume 2449 of Lecture Notes in Computer Science. Springer, 2002.
- [96] Albert Gordo, Florent Perronnin, Yunchao Gong, and Svetlana Lazebnik. Asymmetric distances for binary embeddings. *IEEE Trans. Pattern Anal. Mach. Intell.*, 36(1):33–47, 2014.
- [97] Isabelle Guyon, Gideon Dror, Vincent Lemaire, Graham W. Taylor, and Daniel L. Silver, editors. Unsupervised and Transfer Learning - Workshop held at ICML 2011, Bellevue, Washington, USA, July 2, 2011, volume 27 of JMLR Proceedings. JMLR.org, 2012.
- [98] Anders Heyden, Gunnar Sparr, Mads Nielsen, and Peter Johansen, editors. Computer Vision ECCV 2002, 7th European Conference on Computer Vision, Copenhagen, Denmark, May 28-31, 2002, Proceedings, Part III, volume 2352 of Lecture Notes in Computer Science. Springer, 2002.

- [99] Anders Heyden, Gunnar Sparr, Mads Nielsen, and Peter Johansen, editors. Computer Vision ECCV 2002, 7th European Conference on Computer Vision, Copenhagen, Denmark, May 28-31, 2002, Proceedings, Part IV, volume 2353 of Lecture Notes in Computer Science. Springer, 2002.
- [100] Barbara Hidalgo-Sotelo, Aude Oliva, and Antonio Torralba. Human learning of contextual priors for object search: Where does the time go? In *IEEE Conference on Computer Vision and Pattern Recognition, CVPR Workshops 2005, San Diego, CA, USA, 21-23 September, 2005* [9], page 86.
- [101] Andreas Hoppe, Sarah Barman, and Tim Ellis, editors. British Machine Vision Conference, BMVC 2004, Kingston, UK, September 7-9, 2004. Proceedings. BMVA Press, 2004.
- [102] Phillip Isola, Devi Parikh, Antonio Torralba, and Aude Oliva. Understanding the intrinsic memorability of images. In Shawe-Taylor et al. [198], pages 2429–2437.
- [103] Phillip Isola, Jianxiong Xiao, Devi Parikh, Antonio Torralba, and Aude Oliva. What makes a photograph memorable? *IEEE Trans. Pattern Anal. Mach. Intell.*, 36(7):1469–1482, 2014.
- [104] Phillip Isola, Jianxiong Xiao, Antonio Torralba, and Aude Oliva. What makes an image memorable? In The 24th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2011, Colorado Springs, CO, USA, 20-25 June 2011 [24], pages 145-152.
- [105] Qiang Ji, Jiebo Luo, Dimitris N. Metaxas, Antonio Torralba, Thomas S. Huang, and Erik B. Sudderth. Guest editors' introduction to the special section on probabilistic graphical models. *IEEE Trans. Pattern Anal. Mach. Intell.*, 31(10):1729–1732, 2009.
- [106] Tilke Judd, Krista A. Ehinger, Frédo Durand, and Antonio Torralba. Learning to predict where humans look. In *IEEE 12th International Conference on Computer Vision*, *ICCV 2009*, *Kyoto*, *Japan*, *September 27 - October 4*, 2009 [21], pages 2106–2113.
- [107] Biliana Kaneva, Josef Sivic, Antonio Torralba, Shai Avidan, and William T. Freeman. Infinite images: Creating and exploring a large photorealistic virtual space. *Proceedings of the IEEE*, 98(8):1391–1407, 2010.
- [108] Biliana Kaneva, Antonio Torralba, and William T. Freeman. Evaluation of image features using a photorealistic virtual world. In Metaxas et al. [150], pages 2282–2289.
- [109] Aditya Khosla, Byoungkwon An, Joseph J. Lim, and Antonio Torralba. Looking beyond the visible scene. In 2014 IEEE Conference on Computer

- Vision and Pattern Recognition, CVPR 2014, Columbus, OH, USA, June 23-28, 2014 [31], pages 3710–3717.
- [110] Aditya Khosla, Wilma A. Bainbridge, Antonio Torralba, and Aude Oliva. Modifying the memorability of face photographs. In *IEEE International Conference on Computer Vision*, ICCV 2013, Sydney, Australia, December 1-8, 2013 [29], pages 3200–3207.
- [111] Aditya Khosla, Jianxiong Xiao, Antonio Torralba, and Aude Oliva. Memorability of image regions. In Bartlett et al. [38], pages 305–313.
- [112] Aditya Khosla, Tinghui Zhou, Tomasz Malisiewicz, Alexei A. Efros, and Antonio Torralba. Undoing the damage of dataset bias. In Fitzgibbon et al. [66], pages 158–171.
- [113] Gunhee Kim and Antonio Torralba. Unsupervised detection of regions of interest using iterative link analysis. In Bengio et al. [40], pages 961–969.
- [114] Gunhee Kim, Eric P. Xing, and Antonio Torralba. Modeling and analysis of dynamic behaviors of web image collections. In Daniilidis et al. [57], pages 85–98.
- [115] Ryan Kiros, Yukun Zhu, Ruslan Salakhutdinov, Richard S. Zemel, Antonio Torralba, Raquel Urtasun, and Sanja Fidler. Skip-thought vectors. CoRR, abs/1506.06726, 2015.
- [116] Daphne Koller, Dale Schuurmans, Yoshua Bengio, and Léon Bottou, editors. Advances in Neural Information Processing Systems 21, Proceedings of the Twenty-Second Annual Conference on Neural Information Processing Systems, Vancouver, British Columbia, Canada, December 8-11, 2008. Curran Associates, Inc., 2009.
- [117] Àgata Lapedriza, Hamed Pirsiavash, Zoya Bylinskii, and Antonio Torralba. Are all training examples equally valuable? *CoRR*, abs/1311.6510, 2013.
- [118] Svetlana Lazebnik. Generic object recognition. In Computer Vision, A Reference Guide, pages 325–326. 2014.
- [119] Svetlana Lazebnik. Object class recognition (categorization). In *Computer Vision*, A Reference Guide, pages 533–536. 2014.
- [120] Svetlana Lazebnik, Edmond Boyer, and Jean Ponce. On computing exact visual hulls of solids bounded by smooth surfaces. In 2001 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2001), with CD-ROM, 8-14 December 2001, Kauai, HI, USA [2], pages 156–161.
- [121] Svetlana Lazebnik, Yasutaka Furukawa, and Jean Ponce. Projective visual hulls. *International Journal of Computer Vision*, 74(2):137–165, 2007.

- [122] Svetlana Lazebnik and Jean Ponce. The local projective shape of smooth surfaces and their outlines. In 9th IEEE International Conference on Computer Vision (ICCV 2003), 14-17 October 2003, Nice, France [4], pages 83–89.
- [123] Svetlana Lazebnik and Jean Ponce. The local projective shape of smooth surfaces and their outlines. *International Journal of Computer Vision*, 63(1):65–83, 2005.
- [124] Svetlana Lazebnik and Maxim Raginsky. Learning nearest-neighbor quantizers from labeled data by information loss minimization. In Meila and Shen [149], pages 251–258.
- [125] Svetlana Lazebnik and Maxim Raginsky. An empirical bayes approach to contextual region classification. In 2009 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2009), 20-25 June 2009, Miami, Florida, USA [20], pages 2380–2387.
- [126] Svetlana Lazebnik and Maxim Raginsky. Supervised learning of quantizer codebooks by information loss minimization. *IEEE Trans. Pattern Anal. Mach. Intell.*, 31(7):1294–1309, 2009.
- [127] Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. Affine-invariant local descriptors and neighborhood statistics for texture recognition. In 9th IEEE International Conference on Computer Vision (ICCV 2003), 14-17 October 2003, Nice, France [4], pages 649-655.
- [128] Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. A sparse texture representation using affine-invariant regions. In 2003 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2003), 16-22 June 2003, Madison, WI, USA [3], pages 319-326.
- [129] Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. Semi-local affine parts for object recognition. In Hoppe et al. [101], pages 1–10.
- [130] Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. A maximum entropy framework for part-based texture and object recognition. In 10th IEEE International Conference on Computer Vision (ICCV 2005), 17-20 October 2005, Beijing, China [7], pages 832-838.
- [131] Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. A sparse texture representation using local affine regions. *IEEE Trans. Pattern Anal. Mach. Intell.*, 27(8):1265–1278, 2005.
- [132] Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. Beyond bags of features: Spatial pyramid matching for recognizing natural scene categories. In 2006 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2006), 17-22 June 2006, New York, NY, USA [12], pages 2169-2178.

- [133] Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. A discriminative framework for texture and object recognition using local image features. In Ponce et al. [171], pages 423–442.
- [134] Svetlana Lazebnik, Amit Sethi, Cordelia Schmid, David J. Kriegman, Jean Ponce, and Martial Hebert. On pencils of tangent planes and the recognition of smooth 3d shapes from silhouettes. In Heyden et al. [98], pages 651–665.
- [135] Svetlana Lazebnik and Joseph Tighe. Towards open-universe image parsing with broad coverage. In *Proceedings of the 13. IAPR International Conference on Machine Vision Applications, MVA 2013, Kyoto, Japan, May 20-23, 2013* [30], pages 13–20.
- [136] Ales Leonardis, Horst Bischof, and Axel Pinz, editors. Computer Vision - ECCV 2006, 9th European Conference on Computer Vision, Graz, Austria, May 7-13, 2006, Proceedings, Part IV, volume 3954 of Lecture Notes in Computer Science. Springer, 2006.
- [137] Xiaowei Li, Changchang Wu, Christopher Zach, Svetlana Lazebnik, and Jan-Michael Frahm. Modeling and recognition of landmark image collections using iconic scene graphs. In Forsyth et al. [78], pages 427–440.
- [138] Joseph J. Lim, Aditya Khosla, and Antonio Torralba. FPM: fine pose parts-based model with 3d CAD models. In Fleet et al. [75], pages 478– 493.
- [139] Joseph J. Lim, Hamed Pirsiavash, and Antonio Torralba. Parsing IKEA objects: Fine pose estimation. In *IEEE International Conference on Com*puter Vision, ICCV 2013, Sydney, Australia, December 1-8, 2013 [29], pages 2992–2999.
- [140] Joseph J. Lim, Ruslan Salakhutdinov, and Antonio Torralba. Transfer learning by borrowing examples for multiclass object detection. In Shawe-Taylor et al. [198], pages 118–126.
- [141] Ce Liu, Antonio Torralba, William T. Freeman, Frédo Durand, and Edward H. Adelson. Motion magnification. ACM Trans. Graph., 24(3):519–526, 2005.
- [142] Ce Liu, Jenny Yuen, and Antonio Torralba. Nonparametric scene parsing: Label transfer via dense scene alignment. In 2009 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2009), 20-25 June 2009, Miami, Florida, USA [20], pages 1972–1979.
- [143] Ce Liu, Jenny Yuen, and Antonio Torralba. Nonparametric scene parsing via label transfer. *IEEE Trans. Pattern Anal. Mach. Intell.*, 33(12):2368–2382, 2011.

- [144] Ce Liu, Jenny Yuen, and Antonio Torralba. SIFT flow: Dense correspondence across scenes and its applications. *IEEE Trans. Pattern Anal. Mach. Intell.*, 33(5):978–994, 2011.
- [145] Ce Liu, Jenny Yuen, Antonio Torralba, Josef Sivic, and William T. Freeman. SIFT flow: Dense correspondence across different scenes. In Forsyth et al. [79], pages 28–42.
- [146] Beatriz López, Joaquím Meléndez, Petia Radeva, and Jordi Vitrià, editors. Artificial Intelligence Research and Development, Proceedings of the 8th International Conference of the ACIA, CCIA 2005, October 26-28, 2005, Alguer, Italy, volume 131 of Frontiers in Artificial Intelligence and Applications. IOS Press, 2005.
- [147] Benoît Macq and Peter Schelkens, editors. 18th IEEE International Conference on Image Processing, ICIP 2011, Brussels, Belgium, September 11-14, 2011. IEEE, 2011.
- [148] Jorge S. Marques, Nicolas Pérez de la Blanca, and Pedro Pina, editors. Pattern Recognition and Image Analysis, Second Iberian Conference, IbPRIA 2005, Estoril, Portugal, June 7-9, 2005, Proceedings, Part II, volume 3523 of Lecture Notes in Computer Science. Springer, 2005.
- [149] Marina Meila and Xiaotong Shen, editors. Proceedings of the Eleventh International Conference on Artificial Intelligence and Statistics, AISTATS 2007, San Juan, Puerto Rico, March 21-24, 2007, volume 2 of JMLR Proceedings. JMLR.org, 2007.
- [150] Dimitris N. Metaxas, Long Quan, Alberto Sanfeliu, and Luc J. Van Gool, editors. IEEE International Conference on Computer Vision, ICCV 2011, Barcelona, Spain, November 6-13, 2011. IEEE, 2011.
- [151] Xavier Muñoz, Anna Bosch, Joan Martí, and Joan Espunya. A learning framework for object recognition on image understanding. In Marques et al. [148], pages 311–318.
- [152] Kevin P. Murphy, Antonio Torralba, Daniel Eaton, and William T. Freeman. Object detection and localization using local and global features. In Ponce et al. [171], pages 382–400.
- [153] Kevin P. Murphy, Antonio Torralba, and William T. Freeman. Graphical model for recognizing scenes and objects. In Thrun et al. [204], pages 1499–1506.
- [154] Sangmin Oh, Anthony Hoogs, A. G. Amitha Perera, Naresh P. Cuntoor, Chia-Chih Chen, Jong Taek Lee, Saurajit Mukherjee, J. K. Aggarwal, Hyungtae Lee, Larry S. Davis, Eran Swears, Xiaoyang Wang, Qiang Ji, Kishore K. Reddy, Mubarak Shah, Carl Vondrick, Hamed Pirsiavash, Deva Ramanan, Jenny Yuen, Antonio Torralba, Bi Song, Anesco Fong, Amit K.

- Roy-Chowdhury, and Mita Desai. AVSS 2011 demo session: A large-scale benchmark dataset for event recognition in surveillance video. In 8th IEEE International Conference on Advanced Video and Signal-Based Surveillance, AVSS 2011, Klagenfurt, Austria, August 30 September 2, 2011 [25], pages 527–528.
- [155] Sangmin Oh, Anthony Hoogs, A. G. Amitha Perera, Naresh P. Cuntoor, Chia-Chih Chen, Jong Taek Lee, Saurajit Mukherjee, J. K. Aggarwal, Hyungtae Lee, Larry S. Davis, Eran Swears, Xiaoyang Wang, Qiang Ji, Kishore K. Reddy, Mubarak Shah, Carl Vondrick, Hamed Pirsiavash, Deva Ramanan, Jenny Yuen, Antonio Torralba, Bi Song, Anesco Fong, Amit K. Roy-Chowdhury, and Mita Desai. A large-scale benchmark dataset for event recognition in surveillance video. In The 24th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2011, Colorado Springs, CO, USA, 20-25 June 2011 [24], pages 3153-3160.
- [156] Aude Oliva and Antonio Torralba. Modeling the shape of the scene: A holistic representation of the spatial envelope. *International Journal of Computer Vision*, 42(3):145–175, 2001.
- [157] Aude Oliva and Antonio Torralba. Scene-centered description from spatial envelope properties. In Bülthoff et al. [52], pages 263–272.
- [158] Aude Oliva, Antonio Torralba, Monica S. Castelhano, and John M. Henderson. Top-down control of visual attention in object detection. In *ICIP* (1), pages 253–256, 2003.
- [159] Aude Oliva, Antonio Torralba, and Philippe G. Schyns. Hybrid images. *ACM Trans. Graph.*, 25(3):527–532, 2006.
- [160] Arnau Oliver, Jordi Freixenet, Anna Bosch, David Raba, and Reyer Zwiggelaar. Automatic classification of breast tissue. In Marques et al. [148], pages 431–438.
- [161] Arnau Oliver, Joan Martí, Robert Marti, Anna Bosch, and Jordi Freixenet. A new approach to the classification of mammographic masses and normal breast tissue. In 18th International Conference on Pattern Recognition (ICPR 2006), 20-24 August 2006, Hong Kong, China [11], pages 707–710.
- [162] Paul Over, George Awad, Wessel Kraaij, and Alan F. Smeaton, editors. TRECVID 2007 workshop participants notebook papers, Gaithersburg, MD, USA, November 2007. National Institute of Standards and Technology (NIST), 2007.
- [163] Andrew Owens, Jianxiong Xiao, Antonio Torralba, and William T. Freeman. Shape anchors for data-driven multi-view reconstruction. In IEEE International Conference on Computer Vision, ICCV 2013, Sydney, Australia, December 1-8, 2013 [29], pages 33–40.

- [164] Megha Pandey and Svetlana Lazebnik. Scene recognition and weakly supervised object localization with deformable part-based models. In Metaxas et al. [150], pages 1307–1314.
- [165] James Philbin, Ondrej Chum, Josef Sivic, Vittorio Ferrari, Manuel J. Marín-Jiménez, Anna Bosch, Nicholas Apostolof, and Andrew Zisserman. Oxford treevid 2007 \u2013 notebook paper. In Over et al. [162].
- [166] Hamed Pirsiavash, Carl Vondrick, and Antonio Torralba. Assessing the quality of actions. In Fleet et al. [75], pages 556–571.
- [167] Hamed Pirsiavash, Carl Vondrick, and Antonio Torralba. Inferring the why in images. *CoRR*, abs/1406.5472, 2014.
- [168] John C. Platt, Daphne Koller, Yoram Singer, and Sam T. Roweis, editors. Advances in Neural Information Processing Systems 20, Proceedings of the Twenty-First Annual Conference on Neural Information Processing Systems, Vancouver, British Columbia, Canada, December 3-6, 2007. Curran Associates, Inc., 2008.
- [169] Bryan Plummer, Liwei Wang, Chris Cervantes, Juan C. Caicedo, Julia Hockenmaier, and Svetlana Lazebnik. Flickr30k entities: Collecting region-to-phrase correspondences for richer image-to-sentence models. CoRR, abs/1505.04870, 2015.
- [170] Jean Ponce, Tamara L. Berg, Mark Everingham, David A. Forsyth, Martial Hebert, Svetlana Lazebnik, Marcin Marszalek, Cordelia Schmid, Bryan C. Russell, Antonio Torralba, Christopher K. I. Williams, Jianguo Zhang, and Andrew Zisserman. Dataset issues in object recognition. In Ponce et al. [171], pages 29–48.
- [171] Jean Ponce, Martial Hebert, Cordelia Schmid, and Andrew Zisserman, editors. *Toward Category-Level Object Recognition*, volume 4170 of *Lecture Notes in Computer Science*. Springer, 2006.
- [172] Jens Puwein, Remo Ziegler, Julia Vogel, and Marc Pollefeys. Robust multi-view camera calibration for wide-baseline camera networks. In *IEEE Workshop on Applications of Computer Vision (WACV 2011)*, 5-7 January 2011, Kona, HI, USA [26], pages 321–328.
- [173] Ariadna Quattoni, Xavier Carreras, and Antonio Torralba. A latent variable ranking model for content-based retrieval. In Baeza-Yates et al. [36], pages 340–351.
- [174] Ariadna Quattoni and Antonio Torralba. Recognizing indoor scenes. In 2009 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2009), 20-25 June 2009, Miami, Florida, USA [20], pages 413-420.

- [175] Maxim Raginsky and Svetlana Lazebnik. Estimation of intrinsic dimensionality using high-rate vector quantization. In Advances in Neural Information Processing Systems 18 [Neural Information Processing Systems, NIPS 2005, December 5-8, 2005, Vancouver, British Columbia, Canada] [8], pages 1105–1112.
- [176] Maxim Raginsky and Svetlana Lazebnik. Locality-sensitive binary codes from shift-invariant kernels. In Bengio et al. [40], pages 1509–1517.
- [177] Maxim Raginsky, Svetlana Lazebnik, Rebecca Willett, and Jorge G. Silva. Near-minimax recursive density estimation on the binary hypercube. In Koller et al. [116], pages 1305–1312.
- [178] Rahul Raguram and Svetlana Lazebnik. Computing iconic summaries of general visual concepts. In *IEEE Conference on Computer Vision and Pattern Recognition, CVPR Workshops 2008, Anchorage, AK, USA, 23-28 June, 2008* [18], pages 1–8.
- [179] Rahul Raguram, Changchang Wu, Jan-Michael Frahm, and Svetlana Lazebnik. Modeling and recognition of landmark image collections using iconic scene graphs. *International Journal of Computer Vision*, 95(3):213–239, 2011.
- [180] Carl Edward Rasmussen, Heinrich H. Bülthoff, Bernhard Schölkopf, and Martin A. Giese, editors. Pattern Recognition, 26th DAGM Symposium, August 30 - September 1, 2004, Tübingen, Germany, Proceedings, volume 3175 of Lecture Notes in Computer Science. Springer, 2004.
- [181] Srinivas Ravela, Antonio Torralba, and William T. Freeman. An ensemble prior of image structure for cross-modal inference. In 10th IEEE International Conference on Computer Vision (ICCV 2005), 17-20 October 2005, Beijing, China [7], pages 871–876.
- [182] Fred Rothganger, Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. 3d object modeling and recognition using affine-invariant patches and multi-view spatial constraints. In 2003 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2003), 16-22 June 2003, Madison, WI, USA [3], pages 272–280.
- [183] Fred Rothganger, Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. Segmenting, modeling, and matching video clips containing multiple moving objects. In CVPR (2), pages 914–921, 2004.
- [184] Fred Rothganger, Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. 3d object modeling and recognition from photographs and image sequences. In Ponce et al. [171], pages 105–126.
- [185] Fred Rothganger, Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. 3d object modeling and recognition using local affine-invariant image descriptors and multi-view spatial constraints. *International Journal of Computer Vision*, 66(3):231–259, 2006.

- [186] Fred Rothganger, Svetlana Lazebnik, Cordelia Schmid, and Jean Ponce. Segmenting, modeling, and matching video clips containing multiple moving objects. *IEEE Trans. Pattern Anal. Mach. Intell.*, 29(3):477–491, 2007.
- [187] Bryan C. Russell and Antonio Torralba. Building a database of 3d scenes from user annotations. In 2009 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2009), 20-25 June 2009, Miami, Florida, USA [20], pages 2711–2718.
- [188] Bryan C. Russell, Antonio Torralba, Ce Liu, Robert Fergus, and William T. Freeman. Object recognition by scene alignment. In Platt et al. [168], pages 1241–1248.
- [189] 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(1-3):157–173, 2008.
- [190] Ruslan Salakhutdinov, Joshua B. Tenenbaum, and Antonio Torralba. Learning to learn with compound HD models. In Shawe-Taylor et al. [198], pages 2061–2069.
- [191] Ruslan Salakhutdinov, Joshua B. Tenenbaum, and Antonio Torralba. One-shot learning with a hierarchical nonparametric bayesian model. In Guyon et al. [97], pages 195–206.
- [192] Ruslan Salakhutdinov, Joshua B. Tenenbaum, and Antonio Torralba. Learning with hierarchical-deep models. IEEE Trans. Pattern Anal. Mach. Intell., 35(8):1958–1971, 2013.
- [193] Ruslan Salakhutdinov, Antonio Torralba, and Joshua B. Tenenbaum. Learning to share visual appearance for multiclass object detection. In The 24th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2011, Colorado Springs, CO, USA, 20-25 June 2011 [24], pages 1481–1488.
- [194] Maxime Scarpa, Julia Vogel, John Stonick, and Sayfe Kiaei. BER of differentially detected π/4 DQPSK in the presence of quadrature gain imbalance. In 1999 IEEE Wireless Communications and Networking Conference, WCNC 1999, September 21-24, 1999, New Orleans, Louisiana, USA [1], pages 201–205.
- [195] Bernt Schiele and Julia Vogel. Vocabulary-supported image retrieval. In DELOS Workshop: Information Seeking, Searching and Querying in Digital Libraries, 2000.
- [196] Adrian Schwaninger, Julia Vogel, Franziska Hofer, and Bernt Schiele. A psychophysically plausible model for typicality ranking of natural scenes. TAP, 3(4):333–353, 2006.

- [197] Nicu Sebe and Marcel Worring, editors. Proceedings of the 6th ACM International Conference on Image and Video Retrieval, CIVR 2007, Amsterdam, The Netherlands, July 9-11, 2007. ACM, 2007.
- [198] John Shawe-Taylor, Richard S. Zemel, Peter L. Bartlett, Fernando C. N. Pereira, and Kilian Q. Weinberger, editors. Advances in Neural Information Processing Systems 24: 25th Annual Conference on Neural Information Processing Systems 2011. Proceedings of a meeting held 12-14 December 2011, Granada, Spain, 2011.
- [199] Josef Sivic, Biliana Kaneva, Antonio Torralba, Shai Avidan, and William T. Freeman. Creating and exploring a large photorealistic virtual space. In *IEEE Conference on Computer Vision and Pattern Recognition*, CVPR Workshops 2008, Anchorage, AK, USA, 23-28 June, 2008 [18], pages 1–8.
- [200] Erik B. Sudderth, Antonio Torralba, William T. Freeman, and Alan S. Willsky. Describing visual scenes using transformed dirichlet processes. In Advances in Neural Information Processing Systems 18 [Neural Information Processing Systems, NIPS 2005, December 5-8, 2005, Vancouver, British Columbia, Canada] [8], pages 1297–1304.
- [201] Erik B. Sudderth, Antonio Torralba, William T. Freeman, and Alan S. Willsky. Learning hierarchical models of scenes, objects, and parts. In 10th IEEE International Conference on Computer Vision (ICCV 2005), 17-20 October 2005, Beijing, China [7], pages 1331-1338.
- [202] Erik B. Sudderth, Antonio Torralba, William T. Freeman, and Alan S. Willsky. Depth from familiar objects: A hierarchical model for 3d scenes. In 2006 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2006), 17-22 June 2006, New York, NY, USA [12], pages 2410–2417.
- [203] Erik B. Sudderth, Antonio Torralba, William T. Freeman, and Alan S. Willsky. Describing visual scenes using transformed objects and parts. International Journal of Computer Vision, 77(1-3):291–330, 2008.
- [204] Sebastian Thrun, Lawrence K. Saul, and Bernhard Schölkopf, editors. Advances in Neural Information Processing Systems 16 [Neural Information Processing Systems, NIPS 2003, December 8-13, 2003, Vancouver and Whistler, British Columbia, Canada]. MIT Press, 2004.
- [205] Joseph Tighe and Svetlana Lazebnik. Superparsing: Scalable nonparametric image parsing with superpixels. In Daniilidis et al. [57], pages 352–365.
- [206] Joseph Tighe and Svetlana Lazebnik. Understanding scenes on many levels. In Metaxas et al. [150], pages 335–342.

- [207] Joseph Tighe and Svetlana Lazebnik. Finding things: Image parsing with regions and per-exemplar detectors. In 2013 IEEE Conference on Computer Vision and Pattern Recognition, Portland, OR, USA, June 23-28, 2013 [28], pages 3001–3008.
- [208] Joseph Tighe and Svetlana Lazebnik. Superparsing scalable nonparametric image parsing with superpixels. *International Journal of Computer Vision*, 101(2):329–349, 2013.
- [209] Joseph Tighe, Marc Niethammer, and Svetlana Lazebnik. Scene parsing with object instances and occlusion ordering. In 2014 IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2014, Columbus, OH, USA, June 23-28, 2014 [31], pages 3748-3755.
- [210] Joseph Tighe, Marc Niethammer, and Svetlana Lazebnik. Scene parsing with object instance inference using regions and per-exemplar detectors. *International Journal of Computer Vision*, 112(2):150–171, 2015.
- [211] Antonio Torralba. A systolic array with applications to image processing and wire-routing in VLSI circuits. *Parallel Computing*, 17(1):85–93, 1991.
- [212] Antonio Torralba. Contextual modulation of target saliency. In Dietterich et al. [62], pages 1303–1310.
- [213] Antonio Torralba. Contextual priming for object detection. *International Journal of Computer Vision*, 53(2):169–191, 2003.
- [214] Antonio Torralba and Alexei A. Efros. Unbiased look at dataset bias. In The 24th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2011, Colorado Springs, CO, USA, 20-25 June 2011 [24], pages 1521–1528.
- [215] Antonio Torralba, Robert Fergus, and William T. Freeman. 80 million tiny images: A large data set for nonparametric object and scene recognition. IEEE Trans. Pattern Anal. Mach. Intell., 30(11):1958–1970, 2008.
- [216] Antonio Torralba, Robert Fergus, and Yair Weiss. Small codes and large image databases for recognition. In 2008 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2008), 24-26 June 2008, Anchorage, Alaska, USA [16].
- [217] Antonio Torralba and William T. Freeman. Properties and applications of shape recipes. In 2003 IEEE Computer Society Conference on Computer Vision and Pattern Recognition (CVPR 2003), 16-22 June 2003, Madison, WI, USA [3], pages 383–390.
- [218] Antonio Torralba and William T. Freeman. Accidental pinhole and pinspeck cameras: Revealing the scene outside the picture. In 2012 IEEE Conference on Computer Vision and Pattern Recognition, Providence, RI, USA, June 16-21, 2012 [27], pages 374-381.

- [219] Antonio Torralba and William T. Freeman. Accidental pinhole and pinspeck cameras - revealing the scene outside the picture. *International Journal of Computer Vision*, 110(2):92–112, 2014.
- [220] Antonio Torralba and Jeanny Hérault. From retinal circuits to motion processing: a neuromorphic approach to velocity estimation. In Verleysen [235].
- [221] Antonio Torralba and Jeanny Hérault. Minimal complexity velocity-tuned filters with analogue neuromorphic networks: A theoretical approach for efficient design. Neural Processing Letters, 8(3):229–239, 1998.
- [222] Antonio Torralba, Kevin P. Murphy, and William T. Freeman. Contextual models for object detection using boosted random fields. In Advances in Neural Information Processing Systems 17 [Neural Information Processing Systems, NIPS 2004, December 13-18, 2004, Vancouver, British Columbia, Canada] [5], pages 1401–1408.
- [223] Antonio Torralba, Kevin P. Murphy, and William T. Freeman. Sharing features: Efficient boosting procedures for multiclass object detection. In CVPR (2), pages 762–769, 2004.
- [224] Antonio Torralba, Kevin P. Murphy, and William T. Freeman. Shared features for multiclass object detection. In Ponce et al. [171], pages 345–361.
- [225] Antonio Torralba, Kevin P. Murphy, and William T. Freeman. Sharing visual features for multiclass and multiview object detection. *IEEE Trans.* Pattern Anal. Mach. Intell., 29(5):854–869, 2007.
- [226] Antonio Torralba, Kevin P. Murphy, and William T. Freeman. Using the forest to see the trees: exploiting context for visual object detection and localization. *Commun. ACM*, 53(3):107–114, 2010.
- [227] Antonio Torralba, Kevin P. Murphy, William T. Freeman, and Mark A. Rubin. Context-based vision system for place and object recognition. In 9th IEEE International Conference on Computer Vision (ICCV 2003), 14-17 October 2003, Nice, France [4], pages 273–280.
- [228] Antonio Torralba and Aude Oliva. Semantic organization of scenes using discriminant structural templates. In *ICCV*, page 1253, 1999.
- [229] Antonio Torralba and Aude Oliva. Depth estimation from image structure. *IEEE Trans. Pattern Anal. Mach. Intell.*, 24(9):1226–1238, 2002.
- [230] Antonio Torralba, Bryan C. Russell, and Jenny Yuen. Labelme: Online image annotation and applications. *Proceedings of the IEEE*, 98(8):1467– 1484, 2010.

- [231] Antonio Torralba and Pawan Sinha. Statistical context priming for object detection. In *ICCV*, pages 763–770, 2001.
- [232] Albert Torrent, Xavier Lladó, Jordi Freixenet, and Antonio Torralba. Simultaneous detection and segmentation for generic objects. In Macq and Schelkens [147], pages 653–656.
- [233] Albert Torrent, Xavier Lladó, Jordi Freixenet, and Antonio Torralba. A boosting approach for the simultaneous detection and segmentation of generic objects. *Pattern Recognition Letters*, 34(13):1490–1498, 2013.
- [234] Chikao Tsuchiya, Tomasz Malisiewicz, and Antonio Torralba. Exemplar network: A generalized mixture model. In 22nd International Conference on Pattern Recognition, ICPR 2014, Stockholm, Sweden, August 24-28, 2014 [32], pages 598-603.
- [235] Michel Verleysen, editor. ESANN 1997, 5th Eurorean Symposium on Artificial Neural Networks, Bruges, Belgium, April 16-18, 1997, Proceedings. D-Facto public, 1997.
- [236] Julia Vogel. Semantic scene modeling and retrieval. PhD thesis, ETH Zurich, 2004.
- [237] Julia Vogel and Nando de Freitas. Target-directed attention: Sequential decision-making for gaze planning. In 2008 IEEE International Conference on Robotics and Automation, ICRA 2008, May 19-23, 2008, Pasadena, California, USA [17], pages 2372–2379.
- [238] Julia Vogel and Kevin P. Murphy. A non-myopic approach to visual search. In Fourth Canadian Conference on Computer and Robot Vision (CRV 2007), 28-30 May 2007, Montreal, Quebec, Canada [14], pages 227–234.
- [239] Julia Vogel and Bernt Schiele. Performance prediction for vocabulary-supported image retrieval. In *ICIP* (2), pages 753–756, 2001.
- [240] Julia Vogel and Bernt Schiele. On performance characterization and optimization for image retrieval. In Heyden et al. [99], pages 49–66.
- [241] Julia Vogel and Bernt Schiele. Query-dependent performance optimization for vocabulary-supported image retrieval. In Gool [95], pages 600–608.
- [242] Julia Vogel and Bernt Schiele. Natural scene retrieval based on a semantic modeling step. In *Image and Video Retrieval: Third International Conference, CIVR 2004, Dublin, Ireland, July 21-23, 2004. Proceedings* [6], pages 207–215.
- [243] Julia Vogel and Bernt Schiele. A semantic typicality measure for natural scene categorization. In Rasmussen et al. [180], pages 195–203.

- [244] Julia Vogel and Bernt Schiele. Performance evaluation and optimization for content-based image retrieval. *Pattern Recognition*, 39(5):897–909, 2006.
- [245] Julia Vogel and Bernt Schiele. Semantic modeling of natural scenes for content-based image retrieval. *International Journal of Computer Vision*, 72(2):133–157, 2007.
- [246] Julia Vogel, Adrian Schwaninger, Christian Wallraven, and Heinrich H. Bülthoff. Categorization of natural scenes: local vs. global information. In Fleming and Kim [77], pages 33–40.
- [247] Julia Vogel, Adrian Schwaninger, Christian Wallraven, and Heinrich H. Bülthoff. Categorization of natural scenes: Local versus global information and the role of color. *TAP*, 4(3), 2007.
- [248] Carl Vondrick, Aditya Khosla, Tomasz Malisiewicz, and Antonio Torralba. Inverting and visualizing features for object detection. CoRR, abs/1212.2278, 2012.
- [249] Carl Vondrick, Aditya Khosla, Tomasz Malisiewicz, and Antonio Torralba. Hoggles: Visualizing object detection features. In *IEEE International Conference on Computer Vision*, ICCV 2013, Sydney, Australia, December 1-8, 2013 [29], pages 1-8.
- [250] Carl Vondrick, Aditya Khosla, Hamed Pirsiavash, Tomasz Malisiewicz, and Antonio Torralba. Visualizing object detection features. CoRR, abs/1502.05461, 2015.
- [251] Carl Vondrick, Hamed Pirsiavash, Aude Oliva, and Antonio Torralba. Acquiring visual classifiers from human imagination. CoRR, abs/1410.4627, 2014.
- [252] Carl Vondrick, Hamed Pirsiavash, and Antonio Torralba. Anticipating the future by watching unlabeled video. *CoRR*, abs/1504.08023, 2015.
- [253] Liwei Wang, Chen-Yu Lee, Zhuowen Tu, and Svetlana Lazebnik. Training deeper convolutional networks with deep supervision. CoRR, abs/1505.02496, 2015.
- [254] Liwei Wang, Yin Li, and Svetlana Lazebnik. Learning deep structure-preserving image-text embeddings. *CoRR*, abs/1511.06078, 2015.
- [255] Donglai Wei, Bolei Zhou, Antonio Torralba, and William T. Freeman. Understanding intra-class knowledge inside CNN. CoRR, abs/1507.02379, 2015.
- [256] Yair Weiss, Rob Fergus, and Antonio Torralba. Multidimensional spectral hashing. In Fitzgibbon et al. [70], pages 340–353.

- [257] Yair Weiss, Antonio Torralba, and Robert Fergus. Spectral hashing. In Koller et al. [116], pages 1753–1760.
- [258] Jianxiong Xiao, Krista A. Ehinger, Aude Oliva, and Antonio Torralba. Recognizing scene viewpoint using panoramic place representation. In 2012 IEEE Conference on Computer Vision and Pattern Recognition, Providence, RI, USA, June 16-21, 2012 [27], pages 2695–2702.
- [259] Jianxiong Xiao, James Hays, Krista A. Ehinger, Aude Oliva, and Antonio Torralba. SUN database: Large-scale scene recognition from abbey to zoo. In The Twenty-Third IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2010, San Francisco, CA, USA, 13-18 June 2010 [23], pages 3485–3492.
- [260] Jianxiong Xiao, Andrew Owens, and Antonio Torralba. SUN3D: A database of big spaces reconstructed using sfm and object labels. In *IEEE International Conference on Computer Vision*, *ICCV 2013*, *Sydney*, *Australia*, *December 1-8*, 2013 [29], pages 1625–1632.
- [261] Jianxiong Xiao, Bryan C. Russell, and Antonio Torralba. Localizing 3d cuboids in single-view images. In Bartlett et al. [38], pages 755–763.
- [262] Jenny Yuen, Bryan C. Russell, Ce Liu, and Antonio Torralba. Labelme video: Building a video database with human annotations. In *IEEE 12th International Conference on Computer Vision, ICCV 2009, Kyoto, Japan, September 27 - October 4, 2009* [21], pages 1451–1458.
- [263] Jenny Yuen and Antonio Torralba. A data-driven approach for event prediction. In Daniilidis et al. [59], pages 707–720.
- [264] Jianguo Zhang, Marcin Marszalek, Svetlana Lazebnik, and Cordelia Schmid. Local features and kernels for classification of texture and object categories: A comprehensive study. In *IEEE Conference on Computer Vision and Pattern Recognition, CVPR Workshops 2006, New York, NY, USA, 17-22 June, 2006* [13], page 13.
- [265] Jianguo Zhang, Marcin Marszalek, Svetlana Lazebnik, and Cordelia Schmid. Local features and kernels for classification of texture and object categories: A comprehensive study. *International Journal of Computer* Vision, 73(2):213–238, 2007.
- [266] Bolei Zhou, Aditya Khosla, Agata Lapedriza, Aude Oliva, and Antonio Torralba. Object detectors emerge in deep scene cnns. CoRR, abs/1412.6856, 2014.
- [267] Bolei Zhou, Àgata Lapedriza, Jianxiong Xiao, Antonio Torralba, and Aude Oliva. Learning deep features for scene recognition using places database. In Ghahramani et al. [84], pages 487–495.

- [268] Bolei Zhou, Liu Liu, Aude Oliva, and Antonio Torralba. Recognizing city identity via attribute analysis of geo-tagged images. In Fleet et al. [73], pages 519–534.
- [269] Long Zhu, Yuanhao Chen, Bill Freeman, and Antonio Torralba. Nonparametric bayesian texture learning and synthesis. In Bengio et al. [40], pages 2313–2321.
- [270] Long Zhu, Yuanhao Chen, Antonio Torralba, William T. Freeman, and Alan L. Yuille. Part and appearance sharing: Recursive compositional models for multi-view. In *The Twenty-Third IEEE Conference on Com*puter Vision and Pattern Recognition, CVPR 2010, San Francisco, CA, USA, 13-18 June 2010 [23], pages 1919–1926.
- [271] Yukun Zhu, Ryan Kiros, Richard S. Zemel, Ruslan Salakhutdinov, Raquel Urtasun, Antonio Torralba, and Sanja Fidler. Aligning books and movies: Towards story-like visual explanations by watching movies and reading books. *CoRR*, abs/1506.06724, 2015.