

Geneviève Patterson

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| CURRENT POSITION | Microsoft Research New England , Cambridge, Massachusetts, USA <i>Post-Doctoral Researcher</i> | July 2016 – current |
| EDUCATION | Brown University , Providence, Rhode Island, USA <i>PhD Computer Science</i> <ul style="list-style-type: none">• Advisor: Associate Professor James Hays, Georgia Tech College of Computing• Dissertation: Collective Intelligence, Crowd-Driven Image Understanding The University of Tokyo , Hongo, Bunkyo-ku, Tokyo <i>Master of Electrical Engineering</i> <ul style="list-style-type: none">• Advisor: Associate Professor Takafumi Koseki, Dept. of Electrical Eng. and Information Systems• Dissertation: Fundamental Modeling for Optimal Design of Transverse Flux Motors The University of Arizona , Tucson, Arizona, USA <i>BS Mathematics, BS Electrical Engineering (Hons)</i> | September 2010 – May 2016 October 2007 – September 2009 August 2003 – May 2007 |
| PUBLICATIONS | <p>Patterson, G., J. Hays, “COCO Attributes: Attributes for People, Animals, and Objects,” <i>European Conference for Computer Vision (ECCV 2016)</i>. Amsterdam, The Netherlands. October 2016.</p> <p>Lam, D., G. Patterson, “Kaizen: The Crowd Pathologist,” <i>HCOMP 2016, GroupSight workshop</i>. Austin, TX USA. 2016.</p> <p>Patterson, G., G. Van Horn, J. Hays, S. Belongie, P. Perona, “Tropel: Crowdsourcing detectors with minimal training,” <i>Human Computation and Crowdsourcing (HCOMP 2015)</i>. San Diego, USA. November 2015. <i>Best Paper Award Runner Up</i>.</p> <p>Patterson, G., C. Xu, H. Su, J. Hays, “The SUN Attribute Database: Beyond Categories for Deeper Scene Understanding,” <i>International Journal of Computer Vision</i>. May 2014, Volume 108, Issue 1-2, pp 59-81.</p> <p>Patterson, G., G. Van Horn, S. Belongie, P. Perona, J. Hays, “Bootstrapping Fine-Grained Classifiers: Active Learning with a Crowd in the Loop,” <i>NIPS 2013, Crowd workshop</i>. Lake Tahoe, NV USA. Dec 5-10, 2013.</p> <p>Patterson, G. T. Lin, J. Hays, “Using Humans to Build Mid-Level Features,” <i>CVPR 2013, Scene Understanding Workshop</i>. Portland, OR USA. June 25-27, 2013.</p> <p>Xiao, J., J. Hays, B. Russell, G. Patterson, K. Ehinger, A. Torralba, A. Oliva, “Basic level scene understanding: categories, attributes and structures,” <i>Frontiers in Psychology</i>. August 2013.</p> <p>Patterson, G., J. Hays, “SUN attribute database: Discovering, annotating, and recognizing scene attributes,” <i>CVPR 2012</i>. Providence, RI USA. June 16-21, 2012.</p> <p>Patterson, G., J. Hays, “Building a Taxonomy of Attributes for Fine-Grained Scene Understanding,” <i>CVPR 2011, Fine Grained Computer Vision Workshop</i>. Colorado Springs, USA. June 20-25, 2011.</p> <p>Patterson, G., T. Koseki, Y. Aoyama, K. Sako, “Simple Modeling and Prototype Experiments for a New High-Thrust, Low-Speed Permanent Magnet Disk Motor,” <i>Proc. 12th International Conference on Electrical Machines and Systems</i>, Tokyo, Japan. Nov 2009.</p> <p>Patterson, G., T. Koseki, “Fundamental Modeling for Optimal Design of Transverse Flux Motors,” <i>The 2009 Annual Meeting of the IEE Japan</i>, Vol. 5, pp.17-18, Sapporo, Japan, March 2009.</p> | |

REFERENCES

Available on request from:

- Professor James Hays (Georgia Tech)
- Professor Serge Belongie (Cornell Tech)
- Professor Pietro Perona (Caltech)
- Dr. Adam Kalai (MSR)

LANGUAGES

English (native), Spanish (fluent), Japanese (intermediate).