



## Fei-Fei Li

Professor of Computer Science

 Curriculum Vitae available Online

### CONTACT INFORMATION

- **Administrator**

Harini Sreepathi - Administrative Associate

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### Bio

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#### BIO

Dr. Fei-Fei Li is the inaugural Sequoia Professor in the Computer Science Department at Stanford University, and Co-Director of Stanford's Human-Centered AI Institute. She served as the Director of Stanford's AI Lab from 2013 to 2018. And during her sabbatical from Stanford from January 2017 to September 2018, she was Vice President at Google and served as Chief Scientist of AI/ML at Google Cloud. Dr. Fei-Fei Li obtained her B.A. degree in physics from Princeton in 1999 with High Honors, and her PhD degree in electrical engineering from California Institute of Technology (Caltech) in 2005. She joined Stanford in 2009 as an assistant professor. Prior to that, she was on faculty at Princeton University (2007-2009) and University of Illinois Urbana-Champaign (2005-2006).

Dr. Fei-Fei Li's main research areas are in machine learning, deep learning, computer vision and cognitive and computational neuroscience. She has published nearly 200 scientific articles in top-tier journals and conferences, including Nature, PNAS, Journal of Neuroscience, CVPR, ICCV, NIPS, ECCV, ICRA, IROS, RSS, IJCV, IEEE-PAMI, New England Journal of Medicine, etc. Dr. Li is the inventor of ImageNet and the ImageNet Challenge, a critical large-scale dataset and benchmarking effort that has contributed to the latest developments in deep learning and AI. In addition to her technical contributions, she is a national leading voice for advocating diversity in STEM and AI. She is co-founder and chairperson of the national non-profit AI4ALL aimed at increasing inclusion and diversity in AI education.

Dr. Li is a keynote speaker at many academic or influential conferences, including the World Economic Forum, the Grace Hopper Conference 2017 and the TED2015 main conference. She is a Fellow of ACM, a recipient of the 2019 IEEE PAMI Longuet-Higgins Prize, 2019 National Geographic Society Further Award, 2017 Athena Award for Academic Leadership, IAPR 2016 J.K. Aggarwal Prize, the 2016 IEEE PAMI Mark Everingham Award, the 2016 nVidia Pioneer in AI Award, 2014 IBM Faculty Fellow Award, 2011 Alfred Sloan Faculty Award, 2012 Yahoo Labs FREP award, 2009 NSF CAREER award, the 2006 Microsoft Research New Faculty Fellowship, among others. Work from Dr. Li's lab have been featured in a variety of magazines and newspapers including New York Times, Wall Street Journal, Fortune Magazine, Science, Wired Magazine, MIT Technology Review, Financial Times, and more. She was selected as a 2017 Women in Tech by the ELLE Magazine, a 2017 Awesome Women Award by Good Housekeeping, a Global Thinker of 2015 by Foreign Policy, and one of the "Great Immigrants: The Pride of America" in 2016 by the Carnegie Foundation, past winners include Albert Einstein, Yoyo Ma, Sergey Brin, et al.

#### ACADEMIC APPOINTMENTS

- Professor, Computer Science

- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

## HONORS AND AWARDS

- Fellow, ACM (2018)
- Technical Leadership Abie Award, AnitaB.org (2019)
- PAMI Longuet-Higgins Prize, IEEE (2019)
- Further Award, National Geographic Society (2019)
- Best Paper Award, International Conference on Robotics and Automation (ICRA) (2019)
- WITI@UC Athena Award for Academic Leadership, U.C. Berkeley (2017)
- J.K. Aggarwal Prize, International Association for Pattern Recognition (IAPR) (2016)
- One of the 40 “The great immigrants”, Carnegie Foundation (2016)
- Mark Everingham Prize, IEEE PAMI (2016)
- Pioneer in AI Research Award, NVidia (2016)
- One of the Leading Global Thinkers, Foreign Policy (2015)
- IBM Faculty Fellowship Award, IBM (2014)
- Fellowship, Alfred P. Sloan (2011)
- W.M. Keck Foundation Faculty Scholar, Stanford University (2012)
- Career Award, NSF (2009)
- New Faculty Fellowship, Microsoft Research (2006)
- Best Short Course Prize, IEEE ICCV (2005)
- Postgraduate Fellowship, National Science Foundation (1999 - 2003)
- Fellowship for New Americans, Paul and Daisy Soros (1999 - 2003)
- Martin Dale Fellowship, Princeton University (1999 - 2000)
- Kusaka Memorial Prize in Physics, Princeton University (1999)
- Best Paper (Runner-Up), IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (2010)
- W.M. Keck Faculty Scholar, Stanford University (2012-2016)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Co-Founder/Chairperson of the Board, AI4ALL (non-profit organization for inclusive AI education) (2015 - present)
- Fellow, ACM (2014 - present)
- Board of Directors, Computer Vision Foundation (non-profit organization supporting computer vision research) (2019 - present)
- Senior Member, IEEE (2003 - present)

## PROFESSIONAL EDUCATION

- B.A., Princeton University , Physics (1999)
- Master, California Institute of Technology , Electrical Engineering (2001)
- PhD, California Institute of Technology , Electrical Engineering (2005)

## LINKS

- Stanford Vision and Learning Lab website: <http://svl.stanford.edu>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Human vision, high-level visual recognition, computational neuroscience

## Teaching

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### COURSES

#### 2018-19

- AI-Assisted Care: MED 277 (Aut)
- Convolutional Neural Networks for Visual Recognition: CS 231N (Spr)

#### 2017-18

- Convolutional Neural Networks for Visual Recognition: CS 231N (Spr)

#### 2016-17

- Computer Vision: Foundations and Applications: CS 131 (Aut)
- Convolutional Neural Networks for Visual Recognition: CS 231N (Spr)

#### 2015-16

- Computer Vision: Foundations and Applications: CS 131 (Aut)
- Convolutional Neural Networks for Visual Recognition: CS 231N (Win)

### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Yanan Sui

#### Master's Program Advisor

Michael Arruza-Cruz

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (Phd Program)

## Publications

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### PUBLICATIONS

- **Every Moment Counts: Dense Detailed Labeling of Actions in Complex Videos** *INTERNATIONAL JOURNAL OF COMPUTER VISION*  
Yeung, S., Russakovsky, O., Jin, N., Andriluka, M., Mori, G., Li Fei-Fei  
2018; 126 (2-4): 375–89
- **Distinct contributions of functional and deep neural network features to representational similarity of scenes in human brain and behavior** *ELIFE*  
Groen, I. A., Greene, M. R., Baldassano, C., Li Fei-Fei, Beck, D. M., Baker, C. I.  
2018; 7
- **Bedside Computer Vision - Moving Artificial Intelligence from Driver Assistance to Patient Safety.** *The New England journal of medicine*  
Yeung, S., Downing, N. L., Fei-Fei, L., Milstein, A.  
2018; 378 (14): 1271–73
- **Image Generation from Scene Graphs**  
Johnson, J., Gupta, A., Li Fei-Fei, IEEE  
IEEE.2018: 1219–28

- **Social GAN: Socially Acceptable Trajectories with Generative Adversarial Networks**  
Gupta, A., Johnson, J., Li Fei-Fei, Savarese, S., Alahi, A., IEEE  
IEEE.2018: 2255–64
- **Referring Relationships**  
Krishna, R., Chami, I., Bernstein, M., Li Fei-Fei, IEEE  
IEEE.2018: 6867–76
- **Finding "It": Weakly-Supervised Reference-Aware Visual Grounding in Instructional Videos**  
Huang, D., Buch, S., Dery, L., Garg, A., Li Fei-Fei, Niebles, J., IEEE  
IEEE.2018: 5948–57
- **What Makes a Video a Video: Analyzing Temporal Information in Video Understanding Models and Datasets**  
Huang, D., Ramanathan, V., Mahajan, D., Torresani, L., Paluri, M., Li Fei-Fei, Niebles, J., IEEE  
IEEE.2018: 7366–75
- **Neural Task Programming: Learning to Generalize Across Hierarchical Tasks**  
Xu, D., Nair, S., Zhu, Y., Gao, J., Garg, A., Li Fei-Fei, Savarese, S., IEEE  
IEEE COMPUTER SOC.2018: 3795–3802
- **Learning to Play With Intrinsically-Motivated, Self-Aware Agents**  
Haber, N., Mrowca, D., Wang, S., Li Fei-Fei, Yamins, D. K., Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.  
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018
- **Flexible Neural Representation for Physics Prediction**  
Mrowca, D., Zhuang, C., Wang, E., Haber, N., Li Fei-Fei, Tenenbaum, J. B., Yamins, D. K., Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.  
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018
- **Tool Detection and Operative Skill Assessment in Surgical Videos Using Region-Based Convolutional Neural Networks**  
Jin, A., Yeung, S., Jopling, J., Krause, J., Azagury, D., Milstein, A., Li Fei-Fei, IEEE  
IEEE.2018: 691–99
- **Scaling Human-Object Interaction Recognition through Zero-Shot Learning**  
Shen, L., Yeung, S., Hoffman, J., Mori, G., Li Fei-Fei, IEEE  
IEEE.2018: 1568–76
- **Using deep learning and Google Street View to estimate the demographic makeup of neighborhoods across the United States** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Gebru, T., Krause, J., Wang, Y., Chen, D., Deng, J., Aiden, E., Li Fei-Fei  
2017; 114 (50): 13108–13
- **Evidence for similar patterns of neural activity elicited by picture- and word-based representations of natural scenes** *NEUROIMAGE*  
Kumar, M., Federmeier, K. D., Li Fei-Fei, Beck, D. M.  
2017; 155: 422–36
- **Characterizing and Improving Stability in Neural Style Transfer**  
Gupta, A., Johnson, J., Alahi, A., Li Fei-Fei, IEEE  
IEEE.2017: 4087–96
- **Human-Object Interactions Are More than the Sum of Their Parts.** *Cerebral cortex (New York, N.Y. : 1991)*  
Baldassano, C., Beck, D. M., Fei-Fei, L.  
2017; 27 (3): 2276–88
- **Categorization influences detection: A perceptual advantage for representative exemplars of natural scene categories.** *Journal of vision*  
Caddigan, E., Choo, H., Fei-fei, L., Beck, D. M.  
2017; 17 (1): 21-?
- **Jointly Learning Energy Expenditures and Activities using Egocentric Multimodal Signals**  
Nakamura, K., Yeung, S., Alahi, A., Li Fei-Fei, IEEE

IEEE.2017: 6817–26

- **Scene Graph Generation by Iterative Message Passing**

Xu, D., Zhu, Y., Choy, C. B., Li Fei-Fei, IEEE

IEEE.2017: 3097–3106

- **Unsupervised Learning of Long-Term Motion Dynamics for Videos**

Luo, Z., Peng, B., Huang, D., Alahi, A., Li Fei-Fei, IEEE

IEEE.2017: 7101–10

- **Inferring and Executing Programs for Visual Reasoning**

Johnson, J., Hariharan, B., van der Maaten, L., Hoffman, J., Li Fei-Fei, Zitnick, C., Girshick, R., IEEE

IEEE.2017: 3008–17

- **Unsupervised Visual-Linguistic Reference Resolution in Instructional Videos**

Huang, D., Lim, J. J., Fei-Fei, L., Niebles, J., IEEE

IEEE.2017: 1032–41

- **CLEVR: A Diagnostic Dataset for Compositional Language and Elementary Visual Reasoning**

Johnson, J., Hariharan, B., van der Maaten, L., Fei-Fei, L., Zitnick, C., Girshick, R., IEEE

IEEE.2017: 1988–97

- **A Hierarchical Approach for Generating Descriptive Image Paragraphs**

Krause, J., Johnson, J., Krishna, R., Li Fei-Fei, IEEE

IEEE.2017: 3337–45

- **Knowledge Acquisition for Visual Question Answering via Iterative Querying**

Zhu, Y., Lim, J. J., Li Fei-Fei, IEEE

IEEE.2017: 6146–55

- **Adversarially Robust Policy Learning: Active Construction of Physically-Plausible Perturbations**

Mandlekar, A., Zhu, Y., Garg, A., Li Fei-Fei, Savarese, S., Bicchi, A., Okamura, A.

IEEE.2017: 3932–39

- **Scalable Annotation of Fine-Grained Categories Without Experts**

Gebru, T., Krause, J., Deng, J., Li Fei-Fei, ACM

ASSOC COMPUTING MACHINERY.2017: 1877–81

- **Learning to Learn from Noisy Web Videos**

Yeung, S., Ramanathan, V., Russakovsky, O., Shen, L., Mori, G., Li Fei-Fei, IEEE

IEEE.2017: 7455–63

- **Dense-Captioning Events in Videos**

Krishna, R., Hata, K., Ren, F., Fei-Fei, L., Niebles, J., IEEE

IEEE.2017: 706–15

- **Fine-grained Recognition in the Wild: A Multi-Task Domain Adaptation Approach**

Gebru, T., Hoffman, J., Li Fei-Fei, IEEE

IEEE.2017: 1358–67

- **Visual Semantic Planning using Deep Successor Representations**

Zhu, Y., Gordon, D., Kolve, E., Fox, D., Li Fei-Fei, Gupta, A., Mottaghi, R., Farhadi, A., IEEE

IEEE.2017: 483–92

- **Two Distinct Scene-Processing Networks Connecting Vision and Memory. *eNeuro***

Baldassano, C., Esteva, A., Fei-fei, L., Beck, D. M.

2016; 3 (5)

- **Typicality sharpens category representations in object-selective cortex *NEUROIMAGE***

Jordan, M. C., Greene, M. R., Beck, D. M., Fei-Fei, L.

2016; 134: 170-179

- **Visual scenes are categorized by function.** *Journal of experimental psychology. General*  
Greene, M. R., Baldassano, C., Esteva, A., Beck, D. M., Fei-Fei, L.  
2016; 145 (1): 82-94
- **What you see is what you expect: rapid scene understanding benefits from prior experience** *ATTENTION PERCEPTION & PSYCHOPHYSICS*  
Greene, M. R., Botros, A. P., Beck, D. M., Li Fei-Fei, F. F.  
2015; 77 (4): 1239-1251
- **Parcellating connectivity in spatial maps.** *PeerJ*  
Baldassano, C., Beck, D. M., Fei-fei, L.  
2015; 3
- **Visual categorization is automatic and obligatory: evidence from Stroop-like paradigm.** *Journal of vision*  
Greene, M. R., Fei-fei, L.  
2014; 14 (1)
- **Differential connectivity within the Parahippocampal Place Area** *NEUROIMAGE*  
Baldassano, C., Beck, D. M., Fei-fei, L.  
2013; 75: 228-237
- **Biodistribution, pharmacokinetics and toxicology of Ag2S near-infrared quantum dots in mice** *BIOMATERIALS*  
Zhang, Y., Zhang, Y., Hong, G., He, W., Zhou, K., Yang, K., Li, F., Chen, G., Liu, Z., Dai, H., Wang, Q.  
2013; 34 (14): 3639-3646
- **Comprehensive next-generation sequence analyses of the entire mitochondrial genome reveal new insights into the molecular diagnosis of mitochondrial DNA disorders** *GENETICS IN MEDICINE*  
Cui, H., Li, F., Chen, D., Wang, G., Truong, C. K., Enns, G. M., Graham, B., Milone, M., Landsverk, M. L., Wang, J., Zhang, W., Wong, L. C.  
2013; 15 (5): 388-394
- **DIFFERENTIAL CONNECTIVITY WITHIN THE PARAHIPPOCAMPAL PLACE AREA** *20th Annual Meeting of the Cognitive-Neuroscience-Society*  
Baldassano, C., Beck, D. M., Li Fei-Fei, F. F.  
MIT PRESS.2013: 146-146
- **Object Discovery in 3D Scenes via Shape Analysis**  
Karpathy, A., Miller, S., Fei-Fei, L.  
2013
- **Combining the Right Features for Complex Event Recognition**  
Tang, K., Yao, B., Fei-Fei, L., Koller, D.  
2013
- **Discovering Object Functionality**  
Yao, B., Ma, J., Fei-Fei, L.  
2013
- **Discriminative Segment Annotation in Weakly Labeled Video**  
Tang, K., Sukthankar, R., Yagnik, J., Fei-Fei, L.  
2013
- **Detecting avocados to zucchinis: what have we done, and where are we going?**  
Russakovsky, O., Deng, J., Huang, Z., Berg, Alexander, C., Fei-Fei, L.  
2013
- **Video Event Understanding using Natural Language Descriptions**  
Ramanathan, V., Liang, P., Fei-Fei, L.  
2013
- **Social Role Discovery in Human Events**  
Ramanathan, V., Yao, B., Fei-Fei, L.

2013

- **Object Bank: An Object-Level Image Representation for High-Level Visual Recognition**  
Li, L., J., Su, H., Lim, Y., Fei-Fei, L.  
2013
- **Differential Connectivity Within the Parahippocampal Place Area** *NeuroImage*  
Baldassano, C., Beck, D., M., Fei-Fei, L.  
2013
- **Good Exemplars of Natural Scene Categories Elicit Clearer Patterns than Bad Exemplars but not Greater BOLD Activity** *PLoS ONE*.  
Torrallbo, A., Walther, D., B., Chai, B., Caddigan, E., Fei-Fei, L., Beck, D., M.  
2013
- **Fine-Grained Crowdsourcing for Fine-Grained Recognition**  
Deng, J., Krause, J., Fei-Fei, L.  
2013
- **NATURAL STIMULI ACQUIRE BASIC-LEVEL ADVANTAGE IN OBJECT-SELECTIVE CORTEX** *20th Annual Meeting of the Cognitive-Neuroscience-Society*  
Iordan, M. C., Greene, M. R., Beck, D. M., Li Fei-Fei, F. F.  
MIT PRESS.2013: 205–206
- **INTERNAL REPRESENTATIONS OF REAL-WORLD SCENE CATEGORIES** *20th Annual Meeting of the Cognitive-Neuroscience-Society*  
Greene, M., Botros, A., Beck, D., Li Fei-Fei, F. F.  
MIT PRESS.2013: 205–205
- **Voxel-level functional connectivity using spatial regularization** *NEUROIMAGE*  
Baldassano, C., Iordan, M. C., Beck, D. M., Fei-fei, L.  
2012; 63 (3): 1099-1106
- **Impact of restricted marital practices on genetic variation in an endogamous Gujarati group** *AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY*  
Pemberton, T. J., Li, F., Hanson, E. K., Mehta, N. U., Choi, S., Ballantyne, J., Belmont, J. W., Rosenberg, N. A., Tyler-Smith, C., Patel, P. I.  
2012; 149 (1): 92-103
- **Recognizing Human-Object Interactions in Still Images by Modeling the Mutual Context of Objects and Human Poses** *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*  
Yao, B., Fei-Fei, L.  
2012; 34 (9): 1691-1703
- **Ag2S Quantum Dot: A Bright and Biocompatible Fluorescent Nanoprobe in the Second Near-Infrared Window** *ACS NANO*  
Zhang, Y., Hong, G., Zhang, Y., Chen, G., Li, F., Dai, H., Wang, Q.  
2012; 6 (5): 3695-3702
- **Guidelines for the use and interpretation of assays for monitoring autophagy** *AUTOPHAGY*  
Klionsky, D. J., Abdalla, F. C., Abeliovich, H., Abraham, R. T., Acevedo-Arozena, A., Adeli, K., Agholme, L., Agnello, M., Agostinis, P., Aguirre-Ghiso, J. A., Ahn, H. J., Ait-Mohamed, O., Ait-Si-Ali, et al  
2012; 8 (4): 445-544
- **The Integrative Effects of Cognitive Reappraisal on Negative Affect: Associated Changes in Secretory Immunoglobulin A, Unpleasantness and ERP Activity** *PLOS ONE*  
Zhang, W., Li, F., Qin, S., Luo, J.  
2012; 7 (2)
- **A Codebook-Free and Annotation-Free Approach for Fine-Grained Image Categorization** *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*  
Yao, B., Bradski, G., Li Fei-Fei, F. F.  
IEEE.2012: 3466–3473
- **Web Image Prediction Using Multivariate Point Processes**  
Kim, G., Fei-Fei, L., Xingi, E.

2012

- **Shifting Weights: Adapting Object Detectors from Image to Video**

Tang, K., Ramanathan, V., Fei-Fei, L., Koller, D.

2012

- **Voxel-Level Functional Connectivity using Spatial Regularization** *NeuroImage*

Baldassano, C., Iordan, M., C., Beck, D., M., Fei-Fei, L.

2012

- **Efficient Euclidean Projections onto the Intersection of Norm Balls**

Su, H., Yu, A., Fei-Fei, L.

2012

- **Crowdsourcing Annotations for Visual Object Detection**

Su, H., Deng, J., Fei-Fei, L.

2012

- **Action Recognition with Exemplar Based 2.5D Graph Matching**

Yao, B., Fei-Fei, L.

2012

- **Object-centric spatial pooling for image classification**

Russakovsky, O., Lin, Y., Yu, K., Fei-Fei, L.

2012

- **Recognizing Human Actions in Still Images by Modeling the Mutual Context of Objects and Human Poses**

Yao, B., Fei-Fei, L.

2012

- **Learning Latent Temporal Structure for Complex Event Detection** *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*

Tang, K., Li Fei-Fei, F. F., Koller, D.

IEEE.2012: 1250–1257

- **Hedging Your Bets: Optimizing Accuracy-Specificity Trade-offs in Large Scale Visual Recognition** *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*

Jia Deng, D., Krause, J., Berg, A. C., Li Fei-Fei, F. F.

IEEE.2012: 3450–3457

- **Automatic basic-level object and scene categorization**

Greene, M. R., Li Fei-Fei, F. F.

PSYCHOLOGY PRESS.2012: 1028–31

- **Extended Graphical Model for Analysis of Dynamic Contrast-Enhanced MRI** *MAGNETIC RESONANCE IN MEDICINE*

Chen, H., Li, F., Zhao, X., Yuan, C., Rutt, B., Kerwin, W. S.

2011; 66 (3): 868-878

- **Combining Randomization and Discrimination for Fine-Grained Image Categorization** *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*

Yao, B., Khosla, A., Li Fei-Fei, F. F.

IEEE.2011: 1577–1584

- **Classifying Actions and Measuring Action Similarity by Modeling the Mutual Context of Objects and Human Poses**

Yao, B., Khosla, A., Fei-Fei, L.

2011

- **Distributed cosegmentation via submodular optimization on anisotropic diffusion**

Kim, G., Xing, E., P., Fei-Fei, L., Kanade, T.

2011

- **Large-Scale Category Structure Aware Image Categorization**



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- Zhao, B., Fei-Fei, L., Xing, E.  
2011
- **Online Detection of Unusual Events in Videos via Dynamic Sparse Coding**  
Zhao, B., Fei-Fei, L., Xing, E., P.  
2011
  - **Hierarchical Semantic Indexing for Large Scale Image Retrieval**  
Deng, J., Berg, A., Fei-Fei, L.  
2011
  - **Simple line drawings suffice for functional MRI decoding of natural scene categories**  
Walther, D., B., Chai, B., Caddigan, E., Beck, D., M., Fei-Fei, L.  
2011
  - **ReV ReVision: Automated Classification, Analysis and Redesign of Chart Images: Automated Classification, Analysis and Redesign of Chart Images**  
Savva, M., Kong, N., Chhajta, A., Fei-Fei, L., Agrawala, M., Heer, J.  
2011
  - **Fast and Balanced: Efficient Label Tree Learning for Large Scale Object Recognition**  
Deng, J., Satheesh, S., Berg, A., C., Fei-Fei, L.  
2011
  - **Human Action Recognition by Learning Bases of Action Attributes and Parts** *IEEE International Conference on Computer Vision (ICCV)*  
Yao, B., Jiang, X., Khosla, A., Lin, A. L., Guibas, L., Li Fei-Fei, F. F.  
IEEE.2011: 1331–1338
  - **MicroRNA-210 as a Novel Therapy for Treatment of Ischemic Heart Disease** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*  
Hu, S., Huang, M., Li, Z., Jia, F., Ghosh, Z., Lijkwan, M. A., Fasanaro, P., Sun, N., Wang, X., Li, F. M., Robbins, R. C., Wu, J. C.  
LIPPINCOTT WILLIAMS & WILKINS.2010: S124–S131
  - **Bayesian Variable Selection in Structured High-Dimensional Covariate Spaces With Applications in Genomics** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Li, F., Zhang, N. R.  
2010; 105 (491): 1202-1214
  - **A PKC-beta inhibitor treatment reverses cardiac microvascular barrier dysfunction in diabetic rats** *MICROVASCULAR RESEARCH*  
Wei, L., Yin, Z., Yuan, Y., Hwang, A., Lee, A., Sun, D., Li, F., Di, C., Zhang, R., Cao, F., Wang, H.  
2010; 80 (1): 158-165
  - **Modeling Mutual Context of Object and Human Pose in Human-Object Interaction Activities** *23rd IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*  
Yao, B., Li Fei-Fei, F. F.  
IEEE COMPUTER SOC.2010: 17–24
  - **To err is human: investigating neural function by correlating error patterns with human behavior**  
Walther, D., B., Beck, D., M., Fei-Fei, L.  
MIT Press, Cambridge, Massachusetts..2010
  - **Efficient Extraction of Human Motion Volumes by Tracking**  
Niebles, J., C., Han, B., Fei-Fei, L.  
2010
  - **Building and Using a Semantivisual Image Hierarchy**  
Li, L., Wang, C., Lim, Y., Blei, D., Fei-Fei, L.  
2010
  - **Objects as Attributes for Scene Classification**  
Li, L., J., Su, H., Lim, Y., Fei-Fei, L.  
2010
-

- **What does classifying more than 10,000 image categories tell us?**  
Deng, J., Berg, A., Li, K., Fei-Fei, L.  
2010
- **Large Margin Learning of Upstream Scene Understanding Models**  
Zhu, J., Li, L., J., Fei-Fei, L., Xing, E., P.  
2010
- **Object Bank: A High-Level Image Representation for Scene Classification and Semantic Feature Sparsification**  
Li, L., J., Su, H., Xing, E., P., Fei-Fei, L.  
2010
- **Learning object categories from Internet image searches**  
Fergus, R., Fei-Fei, L., Perona, P., Zisserman, A.  
2010
- **Multi-view Object Categorization and Pose Estimation** *Studies in Computational Intelligence- Computer Vision*  
Savarese, S., Fei-Fei, L.  
2010: 1
- **What, Where and Who? Telling the Story of an Image by Activity Classification, Scene Recognition and Object Categorization** *Studies in Computational Intelligence- Computer Vision*  
Fei-Fei, L., Li, L., J.  
2010: 1
- **Connecting Modalities: Semi-supervised Segmentation and Annotation of Images Using Unaligned Text Corpora**  
Socher, R., Fei-Fei, L.  
2010
- **Attribute learning in large-scale datasets**  
Russakovsky, O., Fei-Fei, L.  
2010
- **Image Segmentation with Topic Random Fields**  
Zhao, B., Fei-Fei, L., Xing, E., P.  
2010
- **Modeling Temporal Structure of Decomposable Motion Segments for Activity Classification** *11th European Conference on Computer Vision*  
Niebles, J. C., Chen, C., Li Fei-Fei, F. F.  
SPRINGER-VERLAG BERLIN.2010: 392–405
- **Grouplet: A Structured Image Representation for Recognizing Human and Object Interactions** *23rd IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*  
Yao, B., Li Fei-Fei, F. F.  
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