




Fei-Fei Li

Sequoia Capital Professor, Denning Co-Director (On Leave) of Stanford HAI, Senior Fellow at HAI and Professor, by courtesy, of Operations, Information and Technology at the Graduate School of Business

Computer Science

 Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrator**

Harini Sreepathi - Administrative Associate

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Bio

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, Dr. Li was Vice President at Google and served as Chief Scientist of AI/ML at Google Cloud. Since then she has served as a Board member or advisor in various public or private companies.

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 also holds a Doctorate Degree (Honorary) from Harvey Mudd College.

Dr. Fei-Fei Li's current research interests include cognitively inspired AI, machine learning, deep learning, computer vision, robotic learning, and AI+healthcare especially ambient intelligent systems for healthcare delivery. In the past she has also worked on cognitive and computational neuroscience. Dr. Li has published more than 300 scientific articles in top-tier journals and conferences in science, engineering and computer science. 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 has been working with policymakers nationally and locally to ensure the responsible use of technologies, including a number of U.S. Senate and Congressional testimonies, her service as a special advisor to the Secretary General of the United Nations, a member of the California Future of Work Commission for the Governor of California in 2019 - 2020, and a member of the National Artificial Intelligence Research Resource Task Force (NAIRR) for the White House Office of Science and Technology Policy (OSTP) and the National Science Foundation (NSF) in 2021-2022.

Dr. Li is an elected Member of the National Academy of Engineering (NAE), the National Academy of Medicine (NAM) and American Academy of Arts and Sciences (AAAS). She is also a Fellow of ACM, a member of the Council on Foreign Relations (CFR), a recipient of the Intel Lifetime Achievements Award in 2023, a recipient

of the 2022 IEEE PAMI Thomas Huang Memorial Prize, 2019 IEEE PAMI Longuet-Higgins Prize, 2019 National Geographic Society Further Award, 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, 2009 NSF CAREER award, the 2006 Microsoft Research New Faculty Fellowship, among others. Dr. Li is a keynote speaker at many academic or influential conferences, including the World Economic Forum (Davos), the Grace Hopper Conference 2017 and the TED2015 main conference. 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.

Dr. Fei-Fei Li is the author of the book "The Worlds I See: Curiosity, Exploration and Discovery at the Dawn of AI", published by Macmillan Publishers in 2023.

(Dr. Li publishes under the name L. Fei-Fei)

ACADEMIC APPOINTMENTS

- Professor, Computer Science
- Senior Fellow, Institute for Human-Centered Artificial Intelligence (HAI)
- Professor (By courtesy), Operations, Information & Technology
- Member, Bio-X
- Co-Director, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Co-Director, Stanford Institute of Human-Centered AI (HAI), (2019- present)
- Director, Stanford Artificial Intelligence Lab (SAIL), (2013-2018)

HONORS AND AWARDS

- Woodrow Wilson Award ("highest honor to an undergraduate alumni"), Princeton University (2024)
- Intel Lifetime Achievements Innovation Award, Intel (2023)
- Time AI100, Time Magazine (2023)
- Thomas S. Huang Memorial Prize, IEEE PAMI (2022)
- Member, American Academy of Arts and Sciences (AAAS) (2021)
- Member, National Academy of Medicine (NAM) (2020)
- Member, National Academy of Engineering (NAE) (2020)
- Distinguished Alumni Award Winner, California Institute of Technology (2020)
- Member, Council on Foreign Relations (CFR) (2020)
- 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

- Special Advisor to Secretary General, United Nations (2023 - present)
- Member, National AI Research Resource Task Force, White House OSTP and NSF (2021 - 2023)
- 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

- Ph.D. (Honorary), Harvey Mudd College , Engineering (2022)
- 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

CURRENT RESEARCH AND SCHOLARLY INTERESTS

AI, Machine Learning, Computer Vision, Robotics, AI+Healthcare, Human Vision

Teaching

COURSES

2023-24

- Deep Learning for Computer Vision: CS 231N (Spr)

2022-23

- Deep Learning for Computer Vision: CS 231N (Spr)

2021-22

- AI-Assisted Care: CS 337, MED 277 (Aut)
- Deep Learning for Computer Vision: CS 231N (Spr)
- Interactive and Embodied Learning: CS 422, EDUC 234A (Win)

2020-21

- Convolutional Neural Networks for Visual Recognition: CS 231N (Spr)
- Interactive and Embodied Learning: CS 422, EDUC 234A (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Changan Chen, Ruohan Zhang

Doctoral Dissertation Advisor (AC)

Agrim Gupta

Orals Evaluator

Agrim Gupta

Master's Program Advisor

Maria Angelika-Nikita, Jamil Dhanani, Ali Hindy, Eliot Jones, Abi Lopez, Arvind Sridhar, Saba Weatherspoon

Doctoral Dissertation Co-Advisor (AC)

Michael Lingelbach

Doctoral (Program)

Zane Durante, Cem Gokmen, Agrim Gupta, Mohammadmahdi Honarmand, Wenlong Huang, Chengshu Li, Kyle Sargent, Sanjana Srivastava, Chen Wang, Bohan Wu, Tiange Xiang

Publications

PUBLICATIONS

- **Guest Editorial: Introduction to the Special Section on Graphs in Vision and Pattern Analysis** *IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE*
Bai, S., Torr, P. S., Krishna, R., Li, F., Gupta, A., Zhu, S.
2023; 45 (6): 6867-6869
- **Socially situated artificial intelligence enables learning from human interaction.** *Proceedings of the National Academy of Sciences of the United States of America*
Krishna, R., Lee, D., Fei-Fei, L., Bernstein, M. S.
2022; 119 (39): e2115730119

- **Advances, challenges and opportunities in creating data for trustworthy AI** *NATURE MACHINE INTELLIGENCE*
Liang, W., Tadesse, G., Ho, D., Li, F., Zaharia, M., Zhang, C., Zou, J.
2022
- **Generalizable Task Planning Through Representation Pretraining** *IEEE ROBOTICS AND AUTOMATION LETTERS*
Wang, C., Xu, D., Li Fei-Fei
2022; 7 (3): 8299-8306
- **Searching for Computer Vision North Stars** *DAEDALUS*
Li Fei-Fei, Krishna, R.
2022; 151 (2): 85-99
- **Rethinking Architecture Design for Tackling Data Heterogeneity in Federated Learning**
Qu, L., Zhou, Y., Liang, P., Xia, Y., Wang, F., Adeli, E., Li Fei-Fei, Rubin, D., IEEE COMP SOC
IEEE COMPUTER SOC.2022: 10051-10061
- **OBJECTFOLDER 2.0: A Multisensory Object Dataset for Sim2Real Transfer**
Gao, R., Si, Z., Chang, Y., Clarke, S., Bohg, J., Li Fei-Fei, Yuan, W., Wu, J., IEEE COMP SOC
IEEE COMPUTER SOC.2022: 10588-10598
- **Revisiting the "Video" in Video-Language Understanding**
Buch, S., Eyzaguirre, C., Gaidon, A., Wu, J., Li Fei-Fei, Niebles, J., IEEE COMP SOC
IEEE COMPUTER SOC.2022: 2907-2917
- **A Study of Face Obfuscation in ImageNet**
Yang, K., Yau, J., Li Fei-Fei, Deng, J., Russakovsky, O., Chaudhuri, K., Jegelka, S., Song, L., Szepesvari, C., Niu, G., Sabato, S.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2022
- **Embodied intelligence via learning and evolution.** *Nature communications*
Gupta, A., Savarese, S., Ganguli, S., Fei-Fei, L.
2021; 12 (1): 5721
- **Scalable Differential Privacy with Sparse Network Finetuning**
Luo, Z., Wu, D. J., Adeli, E., Li Fei-Fei, IEEE COMP SOC
IEEE COMPUTER SOC.2021: 5057-5066
- **Neural Event Semantics for Grounded Language Understanding** *TRANSACTIONS OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS*
Buch, S., Li Fei-Fei, Goodman, N. D.
2021; 9: 875-890
- **iGibson 1.0: A Simulation Environment for Interactive Tasks in Large Realistic Scenes**
Shen, B., Fei Xia, Li, C., Martin-Martin, R., Fan, L., Wang, G., Perez-D'Arpino, C., Buch, S., Srivastava, S., Tchapmi, L., Tchapmi, M., Vainio, K., Wong, J., et al
IEEE.2021: 7520-7527
- **Generalization Through Hand-Eye Coordination: An Action Space for Learning Spatially-Invariant Visuomotor Control**
Chen Wang, Rui Wang, Mandlekar, A., Li Fei-Fei, Savarese, S., Xu, D., IEEE
IEEE.2021: 8913-8920
- **Quantifying Parkinson's disease motor severity under uncertainty using MDS-UPDRS videos.** *Medical image analysis*
Lu, M., Zhao, Q., Poston, K. L., Sullivan, E. V., Pfefferbaum, A., Shahid, M., Katz, M., Kouhsari, L. M., Schulman, K., Milstein, A., Niebles, J. C., Henderson, V.
W., Fei-Fei, et al
2021; 73: 102179
- **Deep Affordance Foresight: Planning Through What Can Be Done in the Future**
Xu, D., Mandlekar, A., Martin-Martin, R., Zhu, Y., Savarese, S., Li Fei-Fei, IEEE
IEEE.2021: 6206-6213
- **Learning Multi-Arm Manipulation Through Collaborative Teleoperation**
Tung, A., Wong, J., Mandlekar, A., Martin-Martin, R., Zhu, Y., Li Fei-Fei, Savarese, S., IEEE
IEEE.2021: 9212-9219

- **Metadata Normalization.** *Proceedings. IEEE Computer Society Conference on Computer Vision and Pattern Recognition*
Lu, M., Zhao, Q., Zhang, J., Pohl, K. M., Fei-Fei, L., Niebles, J. C., Adeli, E.
2021; 2021: 10912-10922
- **EVALUATING FACIAL RECOGNITION TECHNOLOGY: A PROTOCOL FOR PERFORMANCE ASSESSMENT IN NEW DOMAINS** *DENVER LAW REVIEW*
Ho, D. E., Black, E., Agrawala, M., Li Fei-Fei
2021; 98 (4): 753-773
- **Discovering Generalizable Skills via Automated Generation of Diverse Tasks**
Fang, K., Zhu, Y., Savarese, S., Li Fei-Fei, Shell, D. A., Toussaint, M., Hsieh, M. A.
RSS FOUNDATION-ROBOTICS SCIENCE & SYSTEMS FOUNDATION.2021
- **Representation Learning with Statistical Independence to Mitigate Bias.** *IEEE Winter Conference on Applications of Computer Vision. IEEE Winter Conference on Applications of Computer Vision*
Adeli, E., Zhao, Q., Pfefferbaum, A., Sullivan, E. V., Fei-Fei, L., Niebles, J. C., Pohl, K. M.
2021; 2021: 2512-2522
- **SECANT: Self-Expert Cloning for Zero-Shot Generalization of Visual Policies**
Fan, L., Wang, G., Huang, D., Yu, Z., Li Fei-Fei, Zhu, Y., Anandkumar, A., Meila, M., Zhang, T.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2021
- **Greedy Hierarchical Variational Autoencoders for Large-Scale Video Prediction**
Wu, B., Nair, S., Martin-Martin, R., Li Fei-Fei, Finn, C., IEEE COMP SOC
IEEE COMPUTER SOC.2021: 2318-2328
- **Ethical issues in using ambient intelligence in health-care settings.** *The Lancet. Digital health*
Martinez-Martin, N., Luo, Z., Kaushal, A., Adeli, E., Haque, A., Kelly, S. S., Wieten, S., Cho, M. K., Magnus, D., Fei-Fei, L., Schulman, K., Milstein, A.
2020
- **AI will change the world, so it's time to change AI** *NATURE*
Posner, T., Li Fei-Fei
2020; 588 (7837): S118
- **Vision-based Estimation of MDS-UPDRS Gait Scores for Assessing Parkinson's Disease Motor Severity.** *Medical image computing and computer-assisted intervention : MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention*
Lu, M., Poston, K., Pfefferbaum, A., Sullivan, E. V., Fei-Fei, L., Pohl, K. M., Niebles, J. C., Adeli, E.
2020; 12263: 637-47
- **Assessing the accuracy of automatic speech recognition for psychotherapy** *NPJ DIGITAL MEDICINE*
Miner, A. S., Haque, A., Fries, J. A., Fleming, S. L., Wilfley, D. E., Wilson, G., Milstein, A., Jurafsky, D., Arnow, B. A., Agras, W., Li Fei-Fei, Shah, N. H.
2020; 3 (1)
- **Making Sense of Vision and Touch: Learning Multimodal Representations for Contact-Rich Tasks** *IEEE TRANSACTIONS ON ROBOTICS*
Lee, M. A., Zhu, Y., Zachares, P., Tan, M., Srinivasan, K., Savarese, S., Fei-Fei, L., Garg, A., Bohg, J.
2020; 36 (3): 582-96
- **Illuminating the dark spaces of healthcare with ambient intelligence.** *Nature*
Haque, A. n., Milstein, A. n., Fei-Fei, L. n.
2020; 585 (7824): 193-202
- **Motion Reasoning for Goal-Based Imitation Learning**
Huang, D., Chao, Y., Paxton, C., Deng, X., Li Fei-Fei, Niebles, J., Garg, A., Fox, D., IEEE
IEEE.2020: 4878-4884
- **KETO: Learning Keypoint Representations for Tool Manipulation**
Qin, Z., Fang, K., Zhu, Y., Li Fei-Fei, Savarese, S., IEEE
IEEE.2020: 7278-7285
- **IRIS: Implicit Reinforcement without Interaction at Scale for Learning Control from Offline Robot Manipulation Data**

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- Mandlekar, A., Ramos, F., Boots, B., Savarese, S., Li Fei-Fei, Garg, A., Fox, D., IEEE
IEEE.2020: 4414-4420
- **ADAPT: Zero-Shot Adaptive Policy Transfer for Stochastic Dynamical Systems**
Harrison, J., Garg, A., Ivanovic, B., Zhu, Y., Savarese, S., Li Fei-Fei, Pavone, M., Amato, N. M., Hager, G., Thomas, S., TorresTorriti, M.
SPRINGER INTERNATIONAL PUBLISHING AG.2020: 437-53
 - **Scene Graph Prediction with Limited Labels.** *Proceedings. IEEE International Conference on Computer Vision*
Chen, V. S., Varma, P. n., Krishna, R. n., Bernstein, M. n., Ré, C. n., Fei-Fei, L. n.
2020; 2019: 2580-90
 - **GTI: Learning to Generalize Across Long-Horizon Tasks from Human Demonstrations**
Mandlekar, A., Xu, D., Martin-Martin, R., Savarese, S., Li Fei-Fei, Toussaint, M., Bicchi, A., Hermans, T.
MIT PRESS.2020
 - **Towards Fairer Datasets: Filtering and Balancing the Distribution of the People Subtree in the ImageNet Hierarchy**
Yang, K., Qinami, K., Fei-Fei, L., Deng, J., Russakovsky, O., Assoc Comp Machinery
ASSOC COMPUTING MACHINERY.2020: 547-58
 - **Automatic detection of hand hygiene using computer vision technology.** *Journal of the American Medical Informatics Association : JAMIA*
Singh, A. n., Haque, A. n., Alahi, A. n., Yeung, S. n., Guo, M. n., Glassman, J. R., Beninati, W. n., Platchek, T. n., Fei-Fei, L. n., Milstein, A. n.
2020
 - **Automated abnormality detection in lower extremity radiographs using deep learning** *NATURE MACHINE INTELLIGENCE*
Varma, M., Lu, M., Gardner, R., Dunmon, J., Khandwala, N., Rajpurkar, P., Long, J., Beaulieu, C., Shpanskaya, K., Li Fei-Fei, Lungren, M. P., Patel, B. N.
2019; 1 (12): 578-83
 - **Learning task-oriented grasping for tool manipulation from simulated self-supervision** *INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH*
Kuan Fang, Zhu, Y., Garg, A., Kurenkov, A., Mehta, V., Li Fei-Fei, Savarese, S.
2019
 - **A computer vision system for deep learning-based detection of patient mobilization activities in the ICU** *NPJ DIGITAL MEDICINE*
Yeung, S., Rinaldo, F., Jopling, J., Liu, B., Mehra, R., Downing, N., Guo, M., Bianconi, G. M., Alahi, A., Lee, J., Campbell, B., Deru, K., Beninati, et al
2019; 2
 - **Neural Task Graphs: Generalizing to Unseen Tasks from a Single Video Demonstration**
Huang, D., Nair, S., Xu, D., Zhu, Y., Garg, A., Li Fei-Fei, Savarese, S., Niebles, J., IEEE Comp Soc
IEEE.2019: 8557-66
 - **Situational Fusion of Visual Representation for Visual Navigation**
Shen, W. B., Xu, D., Zhu, Y., Guibas, L. J., Li Fei-Fei, Savarese, S., IEEE
IEEE COMPUTER SOC.2019: 2881-90
 - **Making Sense of Vision and Touch: Self-Supervised Learning of Multimodal Representations for Contact-Rich Tasks**
Lee, M. A., Zhu, Y., Srinivasan, K., Shah, P., Savarese, S., Li Fei-Fei, Garg, A., Bohg, J., IEEE, Howard, A., Althoefer, K., Arai, F., Arrichiello, F., Caputo, et al
IEEE.2019: 8943-50
 - **Scaling Robot Supervision to Hundreds of Hours with RoboTurk: Robotic Manipulation Dataset through Human Reasoning and Dexterity**
Mandlekar, A., Booher, J., Spero, M., Tung, A., Gupta, A., Zhu, Y., Garg, A., Savarese, S., Li Fei-Fei, IEEE
IEEE.2019: 1048-55
 - **Continuous Relaxation of Symbolic Planner for One-Shot Imitation Learning**
Huang, D., Xu, D., Zhu, Y., Garg, A., Savarese, S., Fei-Fei, L., Niebles, J., IEEE
IEEE.2019: 2635-42
 - **HYPE: A Benchmark for Human eYe Perceptual Evaluation of Generative Models**
Zhou, S., Gordon, M. L., Krishna, R., Narcomey, A., Li Fei-Fei, Bernstein, M. S., Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019
-

- **AUDIO-LINGUISTIC EMBEDDINGS FOR SPOKEN SENTENCES**

Haque, A., Guo, M., Verma, P., Li Fei-Fei, IEEE
IEEE.2019: 7355–59

- **Visual Relationships as Functions: Enabling Few-Shot Scene Graph Prediction**

Dornadula, A., Narcomey, A., Krishna, R., Bernstein, M., Li Fei-Fei, IEEE
IEEE COMPUTER SOC.2019: 1730–39

- **Composing Text and Image for Image Retrieval - An Empirical Odyssey**

Vo, N., Jiang, L., Sun, C., Murphy, K., Li, L., Fei-Fei, L., Hays, J., IEEE Comp Soc
IEEE COMPUTER SOC.2019: 6432–41

- **Information Maximizing Visual Question Generation**

Krishna, R., Bernstein, M., Li Fei-Fei, IEEE Comp Soc
IEEE COMPUTER SOC.2019: 2008–18

- **Auto-DeepLab: Hierarchical Neural Architecture Search for Semantic Image Segmentation**

Liu, C., Chen, L., Schroff, F., Adam, H., Hua, W., Yuille, A., Li Fei-Fei, IEEE Comp Soc
IEEE COMPUTER SOC.2019: 82–92

- **Peeking into the Future: Predicting Future Person Activities and Locations in Videos**

Liang, J., Jiang, L., Niebles, J., Hauptmann, A., Li Fei-Fei, IEEE Comp Soc
IEEE COMPUTER SOC.2019: 5718–27

- **DenseFusion: 6D Object Pose Estimation by Iterative Dense Fusion**

Wang, C., Xu, D., Zhu, Y., Martin-Martin, R., Lu, C., Li Fei-Fei, Savarese, S., IEEE Comp Soc
IEEE COMPUTER SOC.2019: 3338–47

- **Scene Memory Transformer for Embodied Agents in Long-Horizon Tasks**

Fang, K., Toshev, A., Li Fei-Fei, Savarese, S., IEEE Comp Soc
IEEE COMPUTER SOC.2019: 538–47

- **(DTW)-T-3: Discriminative Differentiable Dynamic Time Warping for Weakly Supervised Action Alignment and Segmentation**

Chang, C., Huang, D., Sui, Y., Li Fei-Fei, Niebles, J., IEEE Comp Soc
IEEE COMPUTER SOC.2019: 3541–50

- **Peeking into the Future: Predicting Future Person Activities and Locations in Videos**

Liang, J., Jiang, L., Niebles, J., Hauptmann, A., Li Fei-Fei, IEEE
IEEE.2019: 2960–63

- **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. n., Downing, N. L., Fei-Fei, L. n., Milstein, A. n.
2018; 378 (14): 1271–73

- **Temporal Modular Networks for Retrieving Complex Compositional Activities in Videos** *European Conference on Computer Vision*

Liu, B., Yeung, S., Chou, E., Huang, D., Fei-Fei, L., Niebles, J.
2018: 569–86

- **Progressive Neural Architecture Search**

Liu, C., Zoph, B., Neumann, M., Shlens, J., Hua, W., Li, L., Li Fei-Fei, Yuille, A., Huang, J., Murphy, K., Ferrari, Hebert, M., Sminchisescu, C., Weiss, et al
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 19-35

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- **Neural Graph Matching Networks for Fewshot 3D Action Recognition**
Guo, M., Chou, E., Huang, D., Song, S., Yeung, S., Li Fei-Fei, Ferrari, Hebert, M., Sminchisescu, C., Weiss, Y.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 673-689
 - **Learning Task-Oriented Grasping for Tool Manipulation from Simulated Self-Supervision**
Fang, K., Zhu, Y., Garg, A., Kurenkov, A., Mehta, V., Li Fei-Fei, Savarese, S., KressGazit, H., Srinivasa, S., Howard, T., Atanasov, N.
MIT PRESS.2018
 - **Dynamic Task Prioritization for Multitask Learning**
Guo, M., Haque, A., Huang, D., Yeung, S., Li Fei-Fei, Ferrari, Hebert, M., Sminchisescu, C., Weiss, Y.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 282-299
 - **HiDDeN: Hiding Data With Deep Networks**
Zhu, J., Kaplan, R., Johnson, J., Li Fei-Fei, Ferrari, Hebert, M., Sminchisescu, C., Weiss, Y.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 682-697
 - **Graph Distillation for Action Detection with Privileged Modalities**
Luo, Z., Hsieh, J., Jiang, L., Niebles, J., Fei-Fei, L., Ferrari, Hebert, M., Sminchisescu, C., Weiss, Y.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 174-92
 - **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.
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