

**Assistant Professor**

School of Electrical Engineering and Computer Science  
 Oregon State University  
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 USA

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Citizenship: Chinese citizen, United States permanent resident

**Research Interests**

1) Segmentation (images and videos) and Multi-Target Tracking; 2) Deep Learning on 3D Point Clouds; 3) Robustness and Uncertainty Estimation in Deep Learning; 4) Explainable Deep Learning.

**Education**

- **Institute of Automation–Chinese Academy of Sciences** Beijing, China  
*Ph.D., Pattern Recognition and Intelligent Systems* Sep. 2003 - Aug. 2008
  - Advisor: Jue Wang
  - Thesis: Euclidean Metric Learning
- **Zhejiang University** Hangzhou, ZJ, China  
*B.S., Computer Science and Engineering* Sep. 1997 - Jun. 2001

**Professional Experience**

- **Oregon State University** Corvallis, OR, USA  
*Assistant Professor* Sep. 2015 - now
  - Research Topics: 1) Segmentation and Tracking; 2) Deep Learning on 3D Point Clouds; 3) Robustness and Uncertainty Estimation in Deep Learning; 4) Explainable Deep Learning.
- **Georgia Institute of Technology** Atlanta, GA, USA  
*Research Scientist* Dec. 2012 - Sep. 2015
  - Supervisor: James M. Rehg
  - Research Topics: Video Segmentation, Unsupervised Image Segmentation, 3D Reconstruction from Video, Affordance Analysis, Continuous-Time Hidden Markov Models, Visual Object Tracking.
- **Georgia Institute of Technology** Atlanta, GA, USA  
*Postdoctoral Researcher* Feb. 2011 - Nov. 2012
  - Supervisor: Guy Lebanon and Haesun Park
  - Research Topics: Sentiment Analysis, Recommender Systems, Random Fourier methods, Composite Statistical Inference, Semantic Segmentation
- **University of Bonn** Bonn, NRW, Germany  
*Postdoctoral Researcher* Sep. 2008 - Dec. 2010
  - Supervisor: Cristian Sminchisescu
  - Research Topics: Kernel Methods, Semantic Segmentation, Multiple-Instance Learning, Random Fourier Methods, Kernel/Metric Learning, Pose Estimation

- **Chinese Academy of Railway Sciences** Beijing, China  
*Programmer* *Sep. 2001 - Nov. 2002*
  - Worked on the rail ticket booking system for the Chinese railway network.
  - Worked on: Improving performance of concurrent database requests during peak periods (Chunyun); a ticket price calculator; designing an information sharing system across heterogeneous systems.

## Teaching Experience

- **Oregon State University** Corvallis, OR, USA  
*Computer Vision II* *CS 637*
  - New course I developed on state-of-the-art computer vision approaches
  - Spring 2017 (15 students) and 2019 (24 students)
- **Oregon State University** Corvallis, OR, USA  
*Deep Learning* *CS 519-006/CS535*
  - New Course I developed, on deep learning including convolutional neural networks, recurrent neural networks and generative/unsupervised models
  - Winter 2016-2019
- **Oregon State University** Corvallis, OR, USA  
*Data Structures* *CS 261*
  - Winter 2016-2019
  - ~100 students each year
- More than 10 guest lectures in *Probabilistic Graphical Models* and *Machine Learning I* in the Georgia Institute of Technology
- Tutor and 2 lectures in *Computer Vision* in the University of Bonn
- 1 guest lecture every year in *Introduction to Proteomics* in Peking Union Medical College, 2004-2007
- 1 guest lecture every year in *Machine Learning Research* in the University of Chinese Academy of Sciences, 2005-2007

**Grants Awarded (Total: 23.3M, Georgia Tech portion: 1.2M (when I was there), OSU portion: 16.9M, my share at OSU: ~ 3.5M)**

- **GARD: Adversarial Robustness Metrics and Defense**  
*DARPA* *2019 - 2021*
  - OSU Principal Investigator as a subcontractor from SRI, project total \$1.2M
  - OSU share: \$320K
  - My share: \$260K
- **AI-DCL: EAGER: Human-in-the-Loop Fairness Optimization in Machine Learning with Minimax Loss and an Abstain Option**  
*NSF* *2019 - 2022*
  - Principal Investigator, project total \$300K
  - My share: \$180K
- **RI: Small: Collaborative Research: Topology-Aware Image Understanding using Deep Variational Objectives**  
*NSF* *2019 - 2022*

- Principal Investigator, project total \$420K
    - My share: \$173K
  - Principal Investigator, \$80K
  - Principal Investigator, project total \$500K
      - My share: \$180K
  - Co-Principal Intestigator, project total \$8.741M
      - OSU portion: \$5.294M
      - My share: \$677K
  - Principal Investigator, project total \$514K
  - Co-Principal Investigator, project total \$6.545M
      - OSU portion: \$6.545M
      - My share: \$909K
  - Co-Principal Investigator, project total \$4.04M
      - OSU portion: \$2.852M
      - My share: \$266K
  - Principal Investigator, \$165K
  - Principal Investigator, \$122K
  - Co-Principal Investigator (co-PI) with James M. Rehg, \$499K
- Image Processing, Behavioral Modeling and Environment**
- Principal Investigator, project total \$420K
      - My share: \$173K
  - Principal Investigator, \$80K
  - Co-Principal Investigator, project total \$500K
      - My share: \$180K
  - Co-Principal Intestigator, project total \$8.741M
      - OSU portion: \$5.294M
      - My share: \$677K
  - Principal Investigator, project total \$514K
  - Co-Principal Investigator, project total \$6.545M
      - OSU portion: \$6.545M
      - My share: \$909K
  - Co-Principal Investigator, project total \$4.04M
      - OSU portion: \$2.852M
      - My share: \$266K
  - Principal Investigator, \$165K
  - Principal Investigator, \$122K
  - Co-Principal Investigator (co-PI) with James M. Rehg, \$499K
- Modeling**
- Principal Investigator, project total \$420K
      - My share: \$173K
  - Principal Investigator, \$80K
  - Co-Principal Investigator, project total \$500K
      - My share: \$180K
  - Co-Principal Intestigator, project total \$8.741M
      - OSU portion: \$5.294M
      - My share: \$677K
  - Principal Investigator, project total \$514K
  - Co-Principal Investigator, project total \$6.545M
      - OSU portion: \$6.545M
      - My share: \$909K
  - Co-Principal Investigator, project total \$4.04M
      - OSU portion: \$2.852M
      - My share: \$266K
  - Principal Investigator, \$165K
  - Principal Investigator, \$122K
  - Co-Principal Investigator (co-PI) with James M. Rehg, \$499K

- Co-Principal Investigator (co-PI) with James M. Rehg, \$480K

### **Comp Cog: Collaborative Research on the Development of**

- **Visual Object Recognition**

*National Science Foundation (NSF)*

*Dec. 2015 - Nov. 2018*

- Co-Principal Investigator (co-PI) with James M. Rehg, Maithilee Kunda, \$321K
- Collaborative research with Linda Smith and Chen Yu from Indiana University Bloomington

- **NVIDIA Hardware Donation Grant**

*NVIDIA Corporation*

*Feb. 2015*

- 2 Tesla K40 GPGPUs (worth about \$7K)

## **Honors**

- 2019, Amazon Research Award.
- 2018, NSF CAREER Award.
- 2017, first place in overall ranking in the MOT 2017 multi-target tracking challenge with public detections.
- 2017, fourth place in the DAVIS Video Segmentation Challenge.
- 2009-2012, participation in the PASCAL VOC Segmentation Challenge (Most prestigious challenge in visual object recognition, participants include universities such as University of California – Berkeley, University of Chicago, Stanford University, University of Oxford, etc.).
  - 2009, winner of the comp5 (semantic segmentation, train without additional training data) challenge, test set average precision (AP) 36.5%.
  - 2010, co-winner of the comp5 challenge, AP 39.7%.
  - 2011, winner of the comp5 challenge, AP 43.3%.
  - 2012, winner of the comp6 (semantic segmentation, train with additional training data) challenge (AP 47.5%), 2nd place of the comp5 challenge (AP 45.4%, improved to 47.5% after the challenge is over).
- 2012, Best reviewers award for ACCV 2012.
- 2011, Outstanding reviewer award for ICCV 2011.
- 2010, DAGM Paper Prize.
- 2005, Microsoft Fellowship. \$6,000 (only 40 recipients per year across the entire Asia-Pacific region).
- 2005, First Class Scholarship. Institute of Automation, Chinese Academy of Sciences.
- 2005, Liuyongling Scholarship. Chinese Academy of Sciences.

## **Publications**

Google Scholar Citations=2459, h-index=26

My Citations Homepage <http://scholar.google.com/citations?user=snDpfA0AAAAJ&hl=en>

## **Preprints**

1. Fuxin Li, Guy Lebanon, Christian Sminchisescu. A Linear Approximation to the  $\chi^2$  Kernel with Geometric Convergence. arXiv:1206.4074. [cs.LG]

2. Fuxin Li, Joao Carreira, Guy Lebanon, Cristian Sminchisescu. Composite Statistical Learning and Inference for Semantic Segmentation. Technical Report.

### Journals and Book Chapters

1. Jaegul Choo, Hannah Kim, Edward Clarkson, Zhicheng Liu, Changhyun Lee, Fuxin Li, Hanseung Lee, Ramakrishnan Kannan, Charles D. Stolper, John Stasko, Haesun Park. VisIRR: A Visual Analytics System for Information Retrieval and Recommendation for Large-Scale Document Data. *ACM Transactions on Knowledge Discovery from Data (TKDD)*, 12(1), 2018.
2. Lora Weiss, Erica Briscoe, Heather Hayes, Olga Kemenova, Sim Harbert, Fuxin Li, Guy Lebanon, Chris Stewart, Darby Miller Steiger, Dan Foy. A Comparative Study of Social Media and Traditional Polling in the Egyptian Uprising of 2011. *Social Computing, Behavioral-Cultural Modeling and Prediction*, Springer 2013, pp 303-310.
3. Jaegul Choo, Fuxin Li, Keehyoung Joo, Haesun Park. A Visual Analytics Approach for Protein Disorder Prediction. *Expanding the Frontiers of Visual Analytics and Visualization*, Springer 2012, pp 163-174.
4. João Carreira, Fuxin Li, Cristian Sminchisescu. Object Recognition by Sequential Figure-Ground Ranking. *International Journal of Computer Vision (IJCV)*. (First two authors contributed equally), 2012 (98):3, 243-262.
5. Fen Xia, Yanwu Yang, Liang Zhou, Fuxin Li, Min Cai, Daniel D. Zeng: A closed-form reduction of multi-class cost-sensitive learning to weighted multi-class learning. *Pattern Recognition (PR)* 42(7): 1572-1581 (2009).
6. Chen Shao, Wei Sun, Fuxin Li, Ruifeng Yang, Ling Zhang, Youhe Gao. Oscore: a combined score to reduce false negative rates for peptide identification in tandem mass spectrometry analysis. *Journal of Mass Spectrometry*. 2009(14):1, 25-31.
7. Wei Sun, Yong Chen, Fuxin Li, Ling Zhang, Ruifeng Yang, Zhi Zhang, Dexian Zheng, Youhe Gao. Dynamic urinary proteomic analysis reveals stable proteins to be potential biomarkers. *Proteomics - Clinical Applications*. 2009(3):3, 370-382
8. Fen Xia, Wensheng Zhang, Fuxin Li, Yanwu Yang. Ranking with Decision Tree. *Knowledge and Information Systems*. 2008 (17):3, 381-395.
9. Linjie Wang, Fuxin Li, Wei Sun, Shuzhen Wu, Xiaorong Wang, Ling Zhang, Dexian Zheng, Jue Wang and Youhe Gao. Concanavalin A-captured Glycoproteins in Healthy Human Urine. *Molecular & Cellular Proteomics*. 2006(5): 560 - 562
10. Wei Sun, Fuxin Li, Shuzhen Wu, Xiaorong Wang, Dexian Zheng, Jue Wang, Youhe Gao. Human urine proteome analysis by three separation approaches. *Proteomics*. 2005(5): 4994-5001
11. Fuxin Li, Wei Sun, Youhe Gao, Jue Wang. RScore: A Peptide Randomicity Score For Evaluating MS/MS Spectra. *Rapid Communications in Mass Spectrometry*. 2004(18):14,1655-1659
12. Wei Sun, Fuxin Li, Jue Wang, Dexian Zheng, Youhe Gao. AMASS: Software for Automatically Validating the Quality of MS/MS Spectrum From SEQUEST Results. *Molecular & Cellular Proteomics*. 2004(3): 1194-1199

### Conferences

1. Xiaoling Hu, LI Fuxin, Dimitris Samaras, Chao Chen. Topology-Preserving Deep Image Segmentation. *Neural Information Processing Systems (NeuRIPS)*, 2019.
2. Xinyao Wang, Liefeng Bo, LI Fuxin. Adaptive Wing Loss for Robust Face Alignment via Heatmap Regression. *International Conference on Computer Vision (ICCV)*, 2019.
3. Robert DeBortoli, LI Fuxin, Geoffrey Hollinger. Elevatenet: A Convolutional Neural Network for Estimating the Missing Dimension in 2D Underwater Sonar Images. **IROS**, 2019.
4. Neale Ratzlaff, LI Fuxin. HyperGAN: A Generative Model for Diverse, Performant Neural Networks. *International Conference on Machine Learning (ICML)*, 2019.
5. Wenxuan Wu, Zhongang Qi, LI Fuxin. PointConv: Deep Convolutional Networks on 3D Point Clouds. *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019.
6. Chanh Kim, Fuxin Li, James M. Rehg. Multi-Object Tracking with Neural Gating Using Bilinear LSTM. *European Conference on Computer Vision (ECCV)*, 2018.

7. Lawrence Neal, Matt Olson, Xiaoli Fern, Weng-Keen Wong, Fuxin Li. Open Set Learning with Counterfactual Images. European Conference on Computer Vision (**ECCV**), 2018.
8. Peng Lei, Fuxin Li, Sinisa Todorovic. Boundary Flow: A Siamese Network that Predicts Boundary Motion without Training on Motion. IEEE International Conference on Computer Vision and Pattern Recognition (**CVPR**), 2018.
9. Robert DeBortoli, Austin Nicolai, Fuxin Li, Geoff Hollinger. Realtime Underwater 3D Reconstruction Using Global Context and Active Labeling. IEEE International Conference on Robotics and Automation (**ICRA**), 2018.
10. Rahul Sawhney, Fuxin Li, Henrik Christensen, Charles Isbell. Purely Geometric Scene Association and Retrieval - A Case for Macro-Scale Geometry. Accepted to IEEE International Conference on Robotics and Automation (**ICRA**), 2018.
11. Xin Li, Fuxin Li. Adversarial Examples Detection in Deep Networks with Convolutional Filter Statistics. International Conference on Computer Vision (**ICCV**), 2017.
12. Juan Liu, Zhengyang Wu, Fuxin Li. Ranking Video Segments with LSTM and Determinantal Point Processes. ICIIP 2017.
13. Xingyi Li, Fuxin Li, Xiaoli Fern, Raviv Raich. Filter Shaping for Convolutional Neural Networks. International Conference on Learning Representations (**ICLR**), 2017.
14. Zhaoyang Lv, Chris Beall, Pablo F. Alcantarilla, Fuxin Li, Zsolt Kira, Frank Dellaert. A Continuous Optimization Approach for Efficient and Accurate Scene Flow. In European Conference in Computer Vision (**ECCV**), 2016.
15. Yu-Ying Liu, Shuang Li, Fuxin Li, Le Song, James M. Rehg. Efficient learning of continuous-time hidden markov models for disease progression. Neural Information Processing Systems (**NIPS**), 2015.
16. Chanho Kim, Fuxin Li, Arridhana Ciptadi, James M. Rehg. Multiple Hypothesis Tracking Revisited. In IEEE International Conference on Computer Vision (**ICCV**), 2015 (**Oral Presentation**).
17. Ahmad Humayun, Fuxin Li, James M. Rehg. The Middle Child Problem: Revisiting Parametric Min-cut for Robust Object Proposals. In IEEE International Conference on Computer Vision (**ICCV**), 2015
18. Zhengyang Wu, Fuxin Li, Rahul Sukthankar, James M. Rehg. Robust Video Segment Proposals with Painless Occlusion Handling. In *IEEE Conference on Computer Vision and Machine Learning (CVPR)*, 2015.
19. Rahul Sawhney, Fuxin Li, Henrik I. Christensen. GASP : Geometric Association with Surface Patches. In *International Conference on 3D Vision (3DV)*, 2014.
20. Abhijit Kundu, Yin Li, Frank Dellaert, James M. Rehg, Fuxin Li. Joint Semantic Segmentation and 3D Reconstruction from Monocular Video. In *European Conference of Computer Vision (ECCV)*, 2014.
21. Ahmad Humayun, Fuxin Li, James M. Rehg. RIGOR: Reusing Inference in Graph Cuts for generating Object Regions. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2014.
22. Fuxin Li, Taeyoung Kim, Ahmad Humayun, David Tsai, James M. Rehg. Video Segmentation by Tracking Many Figure-Ground Segments. In *IEEE International Conference on Computer Vision (ICCV)*, 2013.
23. Tucker Hermans, Fuxin Li, James M. Rehg, Aaron F. Bobick. Learning Contact Locations for Pushing and Orienting Unknown Objects . In *IEEE-RAS International Conference on Humanoid Robots (Humanoids)*, 2013.
24. Tucker Hermans, Fuxin Li, James M. Rehg, Aaron F. Bobick. Learning Stable Pushing Locations. In *IEEE International Conference on Development and Learning (ICDL)*, 2013.
25. Fuxin Li, Joao Carreira, Guy Lebanon, Cristian Sminchisescu. Composite Statistical Inference for Semantic Segmentation. In *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2013.
26. Seungyeon Kim, Fuxin Li, Guy Lebanon, Irfan Essa. Beyond Sentiment: The Manifold of Human Emotions. In *Proceedings of the 16th International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2013.

27. Mingxuan Sun, Fuxin Li, Joonseok Lee, Ke Zhou, Guy Lebanon, Hongyuan Zha. Learning Multiple-Question Decision Trees for Cold-Start Recommendation. In *ACM International Conference on Web Search and Data Mining (WSDM)*, 2013 (Spotlight presentation).
28. Edwards G. Bazavan, Fuxin Li, Cristian Sminchisescu. Learning Random Kernel Approximations for Object Recognition. In *European Conference of Computer Vision (ECCV)*, 2012 (**oral presentation, 2.8% acceptance rate**).
29. Fuxin Li, Guy Lebanon, Cristian Sminchisescu. Chebyshev Approximations to the Histogram Chi-Square Kernel. In *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*, 2012.
30. Catalin Ionescu, Fuxin Li, Cristian Sminchisescu. Latent Structured Models for Human Pose Estimation. In *IEEE International Conference on Computer Vision (ICCV)*, 2011 (**Oral presentation, 3.1% acceptance rate**).
31. Fuxin Li, Cristian Sminchisescu. Convex Multiple Instance Learning by Estimating Likelihood Ratio, *Advances in Neural Processing Systems (NIPS)*, 2010.
32. Fuxin Li, Catalin Ionescu, Cristian Sminchisescu. Random Fourier Approximations for Skewed Multiplicative Histogram Kernels. In *German Association for Pattern Recognition (Deutsche Arbeitsgemeinschaft für Mustererkennung, (DAGM))*, 2010. **DAGM prize paper**.
33. Fuxin Li, João Carreira, Cristian Sminchisescu. Object Recognition as Ranking Holistic Figure-Ground Hypotheses. In *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*, 2010 (First two authors contributed equally).
34. Fuxin Li, Cristian Sminchisescu. The Feature Selection Path in Kernel Methods. In *Artificial Intelligence and Statistics (AISTATS)*, 2010.
35. Fuxin Li, Yunshan Fu, Yu-Hong Dai, Cristian Sminchisescu, and Jue Wang. Kernel Learning by Unconstrained Optimization. *Artificial Intelligence and Statistics (AISTATS)*, 2009.
36. Liang Zhou, Fuxin Li, Yanwu Yang. Path Algorithms for One-Class SVM. *International Symposium on Neural Networks (ISNN)*, 2008.
37. Zongying Song, Chunhong Pan, Q Yang, Fuxin Li, Wei Li. Building Roof Detection from a Single High-Resolution Satellite Image in Dense Urban Area. In ISPRS 2008, Congress of the International Society for Photogrammetry and Remote Sensing.
38. Fuxin Li, Jian Yang, Jue Wang. A Transductive Framework of Distance Metric Learning by Spectral Dimensionality Reduction. In Proceedings of *International Conference on Machine Learning (ICML)*, 2007
39. Jian Yang, Fuxin Li, Jue Wang. A Better Scaled Local Tangent Space Alignment Algorithm. In Proceedings of *International Joint Conference on Neural Networks (IJCNN)*, 2005

## Invited Talks

### Conference and Workshops

- HyperGAN: Generating Diverse Deep Networks with a GAN*. Center for Human-Compatible AI (CHAI) workshop, Asilomar California, May 2019.
- Video Object Segmentation: Some Thoughts*. DAVIS Challenge on Video Object Segmentation Workshop 2018, Salt Lake City, Utah, June 2018.
- Self-Supervision in Tracking and Motion Estimation*. DAVIS Challenge on Video Object Segmentation Workshop 2017, Honolulu, Hawaii, July 2017.
- Characterizing adversarial examples in deep networks with convolutional filter statistics*. Beneficial AI Workshop, Asilomar, California, January 2017.
- Don't fool me: Characterizing Adversarial Examples in Deep Networks*. AAAI Workshop on AI safety. Phoenix, AZ, February 2016.
- Composite Statistical Learning and Inference in Semantic and Video Segmentation: at Perceptual Organization in Computer Vision Workshop*, Columbus, OH, USA, June 2014.
- Object Recognition by Sequential CPMC Segment Ranking*, The PASCAL Visual Object Classes Challenge Workshop 2011, Barcelona, Spain, November 2011.

## Universities and Companies

### *Some Understandings and New Designs for Convolutional and Recurrent Networks*

VALSE Seminar (Aug. 2018)  
Adobe Inc. (Oct. 2018)  
University of California - Berkeley (Oct. 2018)  
University of Michigan (Nov. 2018)  
Horizon Robotics Inc. (May. 2019)  
Oregon State University (Jun. 2019)  
Amazon Inc. (Jul. 2019)  
Peking University (Aug. 2019)  
Chinese Academy of Sciences (Aug. 2019)  
Carnegie Mellon University (Sep. 2019)

### *Self-Supervision in Tracking and Motion Estimation*

Zhejiang University (Aug. 2017)  
Alibaba Inc. (Sep. 2017)  
Netease Inc. (Sep. 2017)  
Intel Research China (Sep. 2017)

### *Regression Methods in Video Object Discovery and Tracking*

Baidu Research (Nov. 2015)  
Google Research (Nov. 2015)  
Oregon State University (Oct. 2015)

### *Composite Statistical Learning and Inference*

University of Indiana-Bloomington (Mar. 2015)  
Oregon State University (Feb. 2015)  
Rutgers University (Sept. 2014)  
National Institute of Health Clinical Center (Aug. 2014)  
Xidian University (Jul. 2014)  
Baidu Inc. (Jan 2014)  
Samsung Research (Jan. 2014)

*Object Recognition as Ranking Holistic Figure-Ground Hypotheses* at Georgia Institute of Technology, Computational Science and Engineering Seminar, Atlanta, GA, USA, February 2012.

*Object Recognition as Ranking Holistic Figure-Ground Hypotheses and Convex Multiple Instance Learning:* at Tsinghua University, Beijing, China, January 2011.

*AMASS: software for automatically validating the quality of MS/MS spectrum from SEQUEST results:* at Institute of Computing Technologies, Chinese Academy of Sciences, Beijing, China, December 2005.

## Professional Activities

NSF Panel Reviewer, 2017, 2019.

Area Chair: CVPR 2017, ECCV 2018, BMVC 2019.

Senior Program Committee Member. IJCAI 2019, AAAI 2020.

Co-organizer of 3 International Workshop on Video Segmentations, in conjunction with ECCV 2014, 2016, 2018.

Conference Reviewer: ICCV 2011 (outstanding reviewer) - 2019, ECCV 2012-2016, CVPR 2013-2020, NIPS 2011, 2013-2019, ICML 2014-2019, ICLR 2018-2020, ACCV 2012 (best reviewers) - 2014, CIKM 2012, Supercomputing 2013, IJCAI 2011, Humanoids 2013-2014, AISTATS 2015-2017.

Associate Editor: The Neurocomputing Journal, Image and Vision Computing

Journal Reviewer: IEEE Transactions in Pattern Analysis and Machine Intelligence (**PAMI**); International Journal on Computer Vision (**IJCV**); Journal of Machine Learning Research (**JMLR**); the Data Mining and Knowledge Discovery Journal (**DMKD**); the Pattern Recognition journal (**PR**); IEEE Transactions on Neural Networks and Learning Systems (**TNNLS**); Computer Vision and Image Understanding (**CVIU**); Journal of Selected Topics in Signal Processing (**JSTSP**); ACM Transactions on Intelligent Systems and Technology (**TIST**); AI Communications (**AIC**); IEEE Transactions on Image Processing (**ITIP**); IEEE Transactions on Circuits and Systems for Video Technology (**JCSVT**); the Neurocomputing Journal.

## Student Supervision

### Present

- Jialin Yuan (Oregon State University, Ph.D.)
- Wenxuan Wu (Oregon State University, Ph.D.)
- Neale Ratzlaff (Oregon State University, Ph.D.)
- Hung Nguyen (Oregon State University, Ph.D.)
- Saeed Khorram (Oregon State University, Ph.D.)
- Xingyi Li (Oregon State University, Ph.D., co-advised with Xiaoli Fern)
- Lawrence Neal (Oregon State University, Ph.D., co-advised with Xiaoli Fern)
- Robert DeBortoli (Oregon State University, Ph.D., co-advised with Geoff Hollinger)
- Jay Patravali (Oregon State University, M.S.)

### Past

- Zehuan Chen (Oregon State University, M.S. graduated 2019, now at Amazon)
- Alrik Firl (Oregon State University, M.S. graduated 2018, now at GE)
- Xinyao Wang (Oregon State University, M.S. graduated 2018, now at JD Digits)
- Zheng Zhou (Oregon State University, M.S. graduated 2017, now at Tencent AI Lab)
- Xin Li (Oregon State University, M.S. graduated 2016, now at NVIDIA)
- Rahul Sawhney (Georgia Institute of Technology, Ph.D., mentored with Charles Isbell)
- Ahmad Humayun (Georgia Institute of Technology, Ph.D., mentored with advisor James M. Rehg)
- Chanhoo Kim (Georgia Institute of Technology, Ph.D., mentored with advisor James M. Rehg)
- Mingxuan Sun (Georgia Institute of Technology, Ph.D., mentored with advisor Guy Lebanon, now Assistant Professor, Louisiana State University)
- Catalin Ionescu (University of Bonn, Ph.D., mentored with advisor Cristian Sminchisescu, now at Google DeepMind)
- Eduard G. Bazavan (Institute of Mathematics of the Romanian Academy, M.S., mentored with advisor Cristian Sminchisescu, now at Google Inc.)

## References

- **Dr. James M. Rehg**  
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Georgia Institute of Technology  
Atlanta, GA, USA  
Email: [rehg@cc.gatech.edu](mailto:rehg@cc.gatech.edu)  
Website: <http://www.cc.gatech.edu/~rehg/>
- **Dr. Guy Lebanon**  
Engineering Director  
Google Inc.  
Seattle, WA, USA  
Email: [glebanon@gmail.com](mailto:glebanon@gmail.com)  
Website: <http://theanalysisofdata.com/gl/>
- **Dr. Cristian Sminchisescu**  
Mathematical Sciences  
Lund University  
Lund, Sweden  
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Website: <http://www.maths.lth.se/matematiklth/personal/sminchis/index.html>