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RESEARCH INTERESTS

Computer Vision, Pattern Recognition, Medical Image Analysis, Visual Privacy Protection, Human Computer Interaction

EDUCATION

Ph.D., Computer Science, University of Maryland, College Park, MD, USA, 2006

- Dissertation: “Techniques for Image Retrieval: Deformation Insensitivity and Automatic Thumbnail Cropping”
- Advisor: Professor David W. Jacobs

M.S., Computer Science, Peking University, Beijing, China, 2000

- Thesis: “Methods for Geographic Data Rectification”
- Advisor: Professor Kunqiu Chen

B.S., Mathematics, Peking University, Beijing, China, 1997

- Major in Probability and Statistics, Minor in Computer Software

EMPLOYMENT HISTORY

- Associate Professor, Temple University
Department of Computer and Information Science Philadelphia, PA USA, 2014-present
- Assistant Professor, Temple University
Department of Computer and Information Sciences Philadelphia, PA USA, 2008-2014
- Research Scientist, Siemens Corporate Research Princeton, NJ USA, 2007-2008
- Postdoc, University of California Los Angeles
Supervisor: Professor Stefano Soatto Los Angeles, CA USA, 2006-2007
- Graduate Assistant, University of Maryland College Park, MD USA, 2001-2006
- Summer Intern, Siemens Corporate Research
Supervisor: Dr. Kazunori Okada Princeton, NJ USA, 2005
- Summer Intern, Microsoft Corporation Redmond, WA USA, 2002
- Assistant Researcher, Microsoft Research Asia Beijing, China, 2000-2001
- Software Engineer, Founder Group Corporation Beijing, China, 2000

HONORS AND AWARDS

- NSF CAREER Award, 2014
- Horvitz Research Assistantship, 2004-2006
- Best Student Paper, ACM UIST 2003
- Kodak Scholarship, 1999-2000
- Guanghua Scholarship, 1998-1999

PUBLICATIONS

Google Scholar Profile: <http://scholar.google.com/citations?user=jWx3qtIAAAAJ&hl=en>.

Journal Articles

1. Pengpeng Liang, Erik Blasch, and Haibin Ling. “Encoding Color Information for Visual Tracking: Algorithms and Benchmark,” *IEEE Trans. on Image Processing (T-IP)*, 24(12):5630–5644, 2015.
2. Liang Du and Haibin Ling. “Dynamic Scene Classification Using Redundant Spatial Pooling,” *IEEE Trans. on Cybernetics*, accepted.
3. Qi Zou, Haibin Ling, Siwei Luo, Yaping Huang, and Mei Tian. “Robust Nighttime Vehicle Detection by Tracking and Grouping Headlights,” *IEEE Trans. on Intelligent Transportation Systems (T-ITS)*, accepted.
4. Haitao Lang and Haibin Ling. “Covert Photo Classification by Fusing Image Features and Visual Attributes,” *IEEE Trans. on Image Processing (T-IP)*, 24(10):2996–3008, 2015.
5. Yong Xu, Yuhui Quan, Zhuming Zhang, Haibin Ling, and Hui Ji. “Classifying Dynamic Textures via Spatiotemporal Fractal Analysis”, *Pattern Recognition*, 48(10), 3239–3248, 2015.
6. Zhuolin Jiang, Zhe Lin, Haibin Ling, Fatih Porikli, Ling Shao, Pavan K. Turaga. “Discriminative feature learning from big data for visual recognition”, *Pattern Recognition*, 48(10), 2961–2963, 2015.
7. Weiming Hu, Nianhua Xie, Ruiguang Hu, Haibin Ling, Qiang Chen, Shuicheng Yan, and Stephen Maybank. “Bin Ratio-Based Histogram Distances and Their Application to Image Classification,” *IEEE Trans. on Pattern Analysis and Machine Intelligence (PAMI)*, 36(12): 2338–2352, 2014.
8. Erkang Cheng, Liang Du, Yi Wu, Ying Zhu, Vasileios Megalooikonomou, and Haibin Ling. “Discriminative Vessel Segmentation in Retinal Images by Fusing Context-Aware Hybrid Features,” *Machine Vision and Applications (MVA)*, 25(7): 1779-1792, 2014.
9. Haibin Ling, Xiong Yang, Peiyi Li, Vasileios Megalooikonomou, Yong Xu, and Jie Yang. “Cross gender-age trabecular texture analysis in dental cone beam computed tomography”, *Dentomaxillofacial Radiology (DMFR)*, 43:20130324, 2014.
10. Weiming Hu, Ruiguang Hu, Nianhua Xie, Haibin Ling, and Stephen Maybank. “Image Classification Using Multi-Scale Information Fusion Based on Saliency Driven Nonlinear Diffusion Filtering,” *IEEE Trans. on Image Processing (T-IP)*, 23(4):1513–1526, 2014.
11. Rongxiang Hu, Wei Jia, Haibin Ling, Y. Zhao, and Jie Gui. “Angular Pattern and Binary Angular Pattern for Shape Retrieval,” *IEEE Trans. on Image Processing (T-IP)*, 23(3):1118–1127, 2014.
12. Yi Wu, Bin Shen, and Haibin Ling. “Visual Tracking via Online Sparse Nonnegative Representation on Manifold”, *IEEE Trans. on Circuits and Systems for Video Technology (T-CSVT)*, 24(3): 374-383, 2014.
13. Chunfeng Yuan, Xi Li, Weiming Hu, Haibin Ling, and Stephen Maybank. “Modeling Geometric-Temporal Context with Directional Pyramid Co-occurrence for Action Recognition”, *IEEE Trans. on Image Processing (T-IP)*, 23(2):658–672, 2014.
14. Haoran Wang, Chunfeng Yuan, Weiming Hu, Haibin Ling, Wankou Yang, and Changyin Sun. “Action Recognition Using Non-negative Action Component Representation and Sparse Basis Selection,” *IEEE Trans. on Image Processing (T-IP)*, 23(2):570–581, 2014.

15. Jin Sun and Haibin Ling. “Scale and Object Aware Image Thumbnailing”, *International Journal of Computer Vision (IJCV)*, 104:135–153, 2013.
16. Xue Mei, Haibin Ling, Yi Wu, Erik Blasch, and Li Bai. “Efficient Minimum Error Bounded Particle Resampling L1 Tracker with Occlusion Detection,” *IEEE Trans. on Image Processing (T-IP)*, 22(7): 2661–2675, 2013.
17. Xiaoqin Zhang, Wei Li, Weiming Hu, Haibin Ling, and Stephen Maybank. “Block Covariance Based ℓ_1 Tracker with a Subtle Template Dictionary”, *Pattern Recognition*, 46(7):1750–1761, 2013.
18. Hui Ji, Xiong Yang, Haibin Ling, and Yong Xu. “Wavelet Domain Multi-fractal Analysis for Static and Dynamic Texture Classification”, *IEEE Trans. on Image Processing (T-IP)*, 22(1):286–299, 2013.
19. Rongxiang Hu, Wei Jia, Haibin Ling, and Deshuang Huang. “Multiscale Distance Matrix for Fast Plant Leaf Recognition,” *IEEE Trans. on Image Processing (T-IP)*, 21(11):4667–4672, 2012.
20. Li An, Haibin Ling, Zoran Obradovic, D.J. Smith, and Vasileios Megalooikonomou. “Learning pair-wise gene functional similarity by multiplex gene expression maps”, *BMC Bioinformatics*, 13(S-3):S1, 2012.
21. Yi Wu, Jian Cheng, Jinqiao Wang, Hanqing Lu, Jun Wang, Haibin Ling, Erik Blasch, and Li Bai, “Real-time Probabilistic Covariance Tracking with Efficient Model Update”, *IEEE Trans. on Image Processing (T-IP)*, 21(5): 2824–2837, 2012.
22. Jingting Zeng, Haibin Ling, Longin Jan Latecki, Shanon Fitzhugh, and Guodong Guo, “Analysis of Facial Images Across Age Progression by Humans,” *ISRN Machine Vision*, Article ID 505974, 2012.
23. Xue Mei and Haibin Ling, “Robust Visual Tracking and Vehicle Classification via Sparse Representation,” *IEEE Trans. on Pattern Analysis and Machine Intelligence (PAMI)*, 33(11):2259–2272, 2011.
24. Xue Mei, Haibin Ling, and David W. Jacobs, “Illumination Recovery from Image with Cast Shadows via Sparse Representation”, *IEEE Trans. on Image Processing (T-IP)*, 20(8):2366–2377, 2011.
25. Mei Zhang, Hanmei Chen, and Haibin Ling, “Restatement and Audit Risk,” *Financial Decisions*, 12(1):1-14, 2011.
26. Hanmei Chen, Mei Zhang, and Haibin Ling, “How Does the Distinguishment between Errors and Irregularities Impact Audit Risk? Evidence from Restatement.” *Global Review of Accounting and Finance*, 2(2):1-11, 2011.
27. ChengEn Lu, Nagesh Adluru, Haibin Ling, Guangxi Zhu, and Longin Jan Latecki. “Contour Based Object Detection Using Part-Bundles,” *Computer Vision and Image Understanding (CVIU)*, 114(7):827–834, 2010.
28. Haibin Ling, Stefano Soatto, Narayanan Ramanathan, and David W. Jacobs. “Face Verification across Age Progression using Discriminative Methods.” *IEEE Trans. on Information Forensics & Security (TIFS)*, 5(1):82-91, 2010.
29. Haibin Ling and Kazunori Okada, “An Efficient Earth Mover’s Distance Algorithm for Robust Histogram Comparison,” *IEEE Trans. on Pattern Analysis and Machine Intelligence (PAMI)*, 29(5):840-853, 2007.

30. Haibin Ling and David W. Jacobs, “Shape Classification Using the Inner-Distance”, *IEEE Trans. on Pattern Analysis and Machine Intelligence (PAMI)*, 29(2):286-299, 2007.
31. Gaurav Agarwal, Peter N. Belhumeur, Steven Feiner, David W. Jacobs, W John Kress, Ravi Ramamoorthi, Norman A. Bourg, Nandan Dixit, Haibin Ling, Dhruv Mahajan, Rusty Russell, Sameer Shirdhonkar, Kalyan Sunkavalli, and Sean White, “First Steps Toward an Electronic Field Guide for Plants,” *Taxon*, 55(3):597-610, 2006.

Magazine

32. Dan Shen, Genshe Chen, Haibin Ling, Khanh Pham, and Erik Blasch. “Improving coordination of unmanned vehicles”, *SPIE Newsroom*, August 2014.
33. Jianjun Gao, Haibin Ling, Erik Blasch, Khanh Pham, Zhonghai Wang, and Genshe Chen. “Context-aware tracking with wide-area motion imagery”, *SPIE Newsroom*, 2013.

Book Chapters

34. Andrea Vedaldi, Haibin Ling, and Stefano Soatto. “Knowing a good feature when you see it: ground truth and methodology to evaluate local features for recognition.” In *Computer Vision: Detection, Recognition and Reconstruction*, R. Cipolla, S. Battiato and G.-M. Farinella (Eds), *Computer Vision: Detection, Recognition and Reconstruction*, pp. 27–49, Springer, 2010.
35. Haibin Ling and David W. Jacobs. “Shape Matching for Foliage Database Retrieval”, in *Semantic Mining Technologies for Multimedia Databases*, D. Tao, D. Xu, and X. Li (Eds), pp. 100–129, Idea Group Inc., 2009.

Selected Conference Publication

36. Tao Wang and Haibin Ling. “Path Following with Adaptive Path Estimation for Graph Matching”, in *Proc. of AAAI Conference on Artificial Intelligence (AAAI)*, 2016.
37. Peiyi Li, Xi Li, Chunyuan Liao, and Haibin Ling. “3D Hand Pose Estimation Using Randomized Decision Forest with Segmentation Index Points.” In *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, 2015.
38. Houwen Peng, Kai Li, Bing Li, Haibin Ling, Weihua Xiong, and Weiming Hu. “Predicting Image Memorability by Multi-view Adaptive Regression.” In *Proc. of ACM Multimedia Conference (MM)*, 2015.
39. Liang Du and Haibin Ling. “Cross-Age Face Verification by Coordinating with Cross-Face Age Verification”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, 2015.
40. Jin Gao, Haibin Ling, Weiming Hu, and Junliang Xing. “Transfer Learning Based Visual Tracking with Gaussian Process Regression”, *European Conf. on Computer Vision (ECCV)*, Zurich, 2014.
41. Liang Du and Haibin Ling. “Exploiting Competition Relationship for Robust Visual Recognition”, in *Proc. of AAAI Conference on Artificial Intelligence (AAAI)*, Quebec, 2014.
42. Xinchu Shi, Haibin Ling, Weiming Hu, Chunfeng Yuan, and Junliang Xing. “Multi-target Tracking with Motion Context in Tensor Power Iteration”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, 2014.
43. Erkang Cheng, Yu Pang, Ying Zhu, Jingyi Yu, and Haibin Ling. “Curvilinear Structure Tracking by Low Rank Tensor Approximation with Model Propagation”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, 2014.

44. Nianyi Li, Jinwei Ye, Yu Ji, Haibin Ling, and Jingyi Yu. “Saliency Detection on Light Fields”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, 2014.
45. Peiyi Li, Xiong Yang, Fangfang Xie, Jie Yang, Erkang Cheng, Vasileios Megalooikonomou, Yong Xu, and Haibin Ling. “Trabecular Texture Analysis in Dental CBCT by Multi-ROI Multi-Feature Fusion,” in *Proc. of IEEE Int’l Symposium on Biomedical Imaging (ISBI)*, pp. 846–849, Beijing, China, 2014.
46. Yu Pang and Haibin Ling. “Finding the Best from the Second Bests – Inhibiting Subjective Bias in Evaluation of Visual Tracking Algorithms”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, 2013.
47. Peng Jiang, Haibin Ling, Jingyi Yu, and Jingliang Peng. “Salient Region Detection by UFO: Uniqueness, Focusness and Objectness”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, 2013.
48. Zhan Yu, Xinqing Guo, Haibin Ling, A. Lumsdaine, and Jingyi Yu. “Line-Assisted Light Field Triangulation and Stereo Matching”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, 2013.
49. Xinchu Shi, Haibin Ling, Junliang Xing, and Weiming Hu. “Multi-target Tracking by Rank-1 Tensor Approximation”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp.2387–2394, 2013.
50. Chunfeng Yuan, Xi Li, Weiming Hu, Haibin Ling, and Stephen Maybank. “3D R Transform on Spatio-Temporal Interest Points for Action Recognition”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp.724–730, 2013.
51. Haitao Lang and Haibin Ling. “Classifying Covert Photographs”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp.1178–1185, Rode Island, 2012.
52. Yi Wu, B. Shen, and Haibin Ling. “Online Robust Image Alignment via Iterative Convex Optimization”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp.1808-1814, Rode Island, 2012.
53. Chenglong Bao, Yi Wu, Haibin Ling, and Hui Ji. “Real Time Robust L1 Tracker Using Accelerated Proximal Gradient Approach”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp.1830–1837, Rode Island, 2012.
54. Peng Jiang, Jingliang Peng, Guoquan Zhang, Erkang Cheng, Vasileios Megalooikonomou, and Haibin Ling. “Learning-based Automatic Breast Tumor Detection and Segmentation in Ultrasound Images,” in *Proc. of IEEE Int’l Symposium on Biomedical Imaging (ISBI)*, pp.1587–1590, Barcelona, Spain, 2012.
55. Jin Sun and Haibin Ling. “Scale and Object Aware Image Retargeting for Thumbnail Browsing”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, pp. 1511-1518, 2011.
56. Yi Wu, Haibin Ling, Jingyi Yu, Feng Li, Xue Mei, and Erkang Cheng. “Blurred Target Tracking by Blur-driven Tracker”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, pp. 1100-1107, 2011.
57. Yong Xu, Yuhui Quan, Haibin Ling, and Hui Ji. “Dynamic Texture Classification Using Dynamic Fractal Analysis”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, pp.1219-1226, 2011.
58. Li An, Haibin Ling, Zoran Obradovic, D.J. Smith, and Vasileios Megalooikonomou. “Identifying pair-wise gene functional similarity by multiplex gene expression maps and supervised learning”, In *ACM Conf. on Bioinformatics, Computational Biology and Biomedicine (ACM BCB)*, Chicago, 2011. (regular paper)

59. Xue Mei, Haibin Ling, Yi Wu, Erik Blasch, and Li Bai. “Minimum Error Bounded Efficient ℓ_1 Tracker with Occlusion Detection.” in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, 1257–1264, Colorado Springs, 2011.
60. Tatyana Nuzhnaya, Erkang Cheng, Haibin Ling, D. Kontos, Predrag Bakic, and Vasileios Megalooikonomou. “Segmentation of Anatomical Branching Structures based on Texture Features and Graph Cut,” in *Proc. of IEEE Int’l Symposium on Biomedical Imaging (ISBI)*, pp. 673–676, Chicago, 2011.
61. Haibin Ling, Xingwei Yang, and Longin Jan Latecki. “Balancing Deformability and Discriminability for Shape Matching”, *European Conf. on Computer Vision (ECCV)*, 411–424, 2010.
62. Nianhua Xie, Haibin Ling, Weiming Hu, and X. Zhang. “Use Bin-Ratio Information for Category and Scene Classification”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp. 2313–2319, San Francisco, 2010.
63. Yong Xu, Xiong Yang, Haibin Ling, and Hui Ji. “A New Texture Descriptor Using Multifractal Analysis in Multi-orientation Wavelet Pyramid”, in *Proc. of IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp. 161–168, San Francisco, 2010.
64. Erkang Cheng, Nianhua Xie, Haibin Ling, Predrag Bakic, Andrew Maidment, and Vasileios Megalooikonomou. “Mammographic Image Classification Using Histogram Intersection”, in *Proc. of the 7th IEEE Int’l Symp. on Biomedical Imaging (ISBI)*, 197–200, Rotterdam, The Netherlands, 2010.
65. Tatyana Nuzhnaya, Michael Barnathan, Haibin Ling, Vasileios Megalooikonomou, Predrag Bakic, and Andrew Maidment. “Probabilistic Branching Node Detection using Adaboost and Hybrid Local Features”, in *Proc. of the 7th IEEE Int’l Symp. on Biomedical Imaging (ISBI)*, 221–224, Rotterdam, The Netherlands, 2010.
66. Xue Mei and Haibin Ling, “Robust Visual Tracking using L1 Minimization”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, pp. 1436–1453, Kyoto, Oct. 2009.
67. Xue Mei, Haibin Ling, and David W. Jacobs, “Sparse Representation of Cast Shadows via L1-Regularized Least Squares”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, pp. 583–590, Kyoto, Oct. 2009.
68. ChengEn Lu, Longin Jan Latecki, N. Adluru, X. Yang, and Haibin Ling, “Shape Guided Contour Grouping with Particle Filters”, in *Proc. of the IEEE Int’l Conf. on Computer Vision (ICCV)*, pp. 2288–2295, Kyoto, Oct. 2009.
69. Wei Zhang, Haibin Ling, S. Prummer, Shaohua K. Zhou, M. Ostermeier, and Dorin Comaniciu, “Coronary Tree Extraction Using Motion Layer Separation”, In *Proc. of the Int’l Conf. on Medical Image Computing and Computer Assisted Intervention (MICCAI)*, pp. 116–123, 2009.
70. Haibin Ling, Michael Barnathan, Vasileios Megalooikonomou, Predrag Bakic, and Andrew Maidment. “Probabilistic Branching Node Detection using Hybrid Local Features”, in *Proc. of the 6th IEEE Int’l Symp. on Biomedical Imaging (ISBI)*, 233–236, 2009.
71. Yefeng Zheng, Bogdan Georgescu, Haibin Ling, Shaohua K. Zhou, M. Suehling, and Dorin Comaniciu. “Constrained Marginal Space Learning for Efficient 3D Anatomical Structure Detection in Medical Images.” In *Proc. of the IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, pp. 194–201, 2009.

72. Peter N. Belhumeur, Daozheng Chen, Steven Feiner, David W. Jacobs, W. John Kress, Haibin Ling, Ida Lopez, Ravi Ramamoorthi, Sameer Sheorey, Sean White, and Ling Zhang, "Searching the world's herbaria: a system for visual identification of plant species", *European Conf. on Computer Vision (ECCV)*, 4:116-129, 2008.
73. Haibin Ling, Shaohua K. Zhou, Yefeng Zheng, Bogdan Georgescu, M. Suehling, and Dorin Comaniciu, "Hierarchical, Learning-based Automatic Liver Segmentation", in *Proc. of the IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, Anchorage, AK, USA, June 2008.
74. Haibin Ling and Stefano Soatto, "Proximity Distribution Kernels for Geometric Context in Category Recognition", in *Proc. of the IEEE Int'l Conf. on Computer Vision (ICCV)*, Rio de Janeiro, Brazil, Oct. 2007.
75. Haibin Ling, Stefano Soatto, N. Ramanathan, and David W. Jacobs, "A Study of Face Recognition as People Age", in *Proc. of the IEEE Int'l Conf. on Computer Vision (ICCV)*, Rio de Janeiro, Brazil, Oct. 2007.
76. Haibin Ling and Kazunori Okada, "Diffusion Distance for Histogram Comparison", in *Proc. of the IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, 1:246-253, New York, NY, USA, June 2006.
77. Haibin Ling and Kazunori Okada. "EMD- L_1 : An Efficient and Robust Algorithm for Comparing Histogram-Based Descriptors", *European Conf. on Computer Vision (ECCV)*, LNCS 3953, III:330-343, Graz, Austria, May 2006.
78. Haibin Ling and David W. Jacobs, "Deformation Invariant Image Matching", in *Proc. of the IEEE Int'l Conf. on Computer Vision (ICCV)*, II:1466-1473, Beijing, China, October 2005.
79. Haibin Ling and David W. Jacobs, "Using the Inner-Distance for Classification of Articulated Shapes", in *Proc. of the IEEE Conf. on Computer Vision and Pattern Recognition (CVPR)*, II:719-726, San Diego, CA, USA, June 2005.
80. Bongwon Suh, Haibin Ling, Ben B. Bederson, and David W. Jacobs, "Automatic Thumbnail Cropping and Its Effectiveness," *ACM Symposium on User Interface Software and Technology (UIST, Best Student Paper)*, *CHI Letters*, 5(2), pp. 95-104, 2003.

Other Refereed Conference Publication

81. Erkang Cheng, Ling Zhu, Jie Yang, Azhari Azhari, Suhardjo Sitam, Xin Liang, and Haibin Ling. "Learning-based landmark detection for osteoporosis analysis", in *Proc. SPIE Medical Imaging*, 2016.
82. Zilong Zou, Jie Yang, Vasileios Megalooikonomou, Rachid Jennane, Erkang Cheng, and Haibin Ling. "Trabecular Bone Texture Classification Using Wavelet Leaders", in *Proc. SPIE Medical Imaging*, 2016.
83. Philip Riesch, Xiaojiang Du, Haibin Ling and Michael J. Mayhew. "Face Recognition with Environment Tolerance on a Mobile Device." In *Proc. of IEEE Int'l Conf. on Cyber Security and Cloud Computing*, 2015.
84. Shuai Di, Honggang Zhang, Xue Mei, Danil Prokhorov, and Haibin Ling. "Spatial Prior for Nonparametric Road Scene Parsing." In *Proc. of Int'l Conf. on Intelligent Transportation Systems*, 2015.
85. Xiaoqing Lu, Lu Liu, Zhi Tang and Haibin Ling. "Overlapped-Triangle Analysis with Hierarchical Ranking of Dominance," In *Proc. Int'l Conf. on Document Analysis and Recognition (ICDAR)*, 2015.

86. Erik Blasch, Dan Shen, Genshe Chen, Arslan Basharat, Roddy Collins, Haibin Ling, Riad Hammoud, Alex Aved, and James Nagy. "Video-to-Text Information Fusion Evaluation for Level 5 User Refinement." In *Proc. of the Int'l Conf. on Information Fusion (FUSION)*, 2015.
87. Yu Pang, Xinchu Shi, Bin Jia, Erik Blasch, Carolyn Sheaff, Khanh Pham, Genshe Chen, and Haibin Ling. "Multiway Histogram Intersection for Multi-target Tracking." In *Proc. of the Int'l Conf. on Information Fusion (FUSION)*, 2015.
88. Ryan Wu, Bingwei Liu, Yu Chen, Erik Blasch, Haibin Ling, and Genshe Chen. "Pseudo-Real-Time Wide Area Motion Imagery (WAMI) Processing for Dynamic Feature Detection." In *Proc. of the Int'l Conf. on Information Fusion (FUSION)*, 2015.
89. Joseph Catrambone, Ismail Amzovski, Zhonghai Wang, Erik Blasch, Carolyn Sheaff, Genshe Chen, and Haibin Ling. "A benchmark for vehicle detection on wide area motion imagery", in *SPIE Conf. on Defense Security+Sensing*, 2015.
90. Erik Blasch, Zhonghai Wang, Dan Shen, Genshe Chen, and Haibin Ling. "Enhanced air operations for ground situational awareness", *IEEE/AIAA Digital Avionics Systems Conference (DASC)*, pp 3D2-1-3D2-13, 2014.
91. Bin Jia, Haibin Ling, Erik Blasch, Carolyn Sheaff, Genshe Chen, and Zhonghai Wang. "Aircraft ground monitoring with high performance computing multicore enabled video tracking", *IEEE/AIAA Digital Avionics Systems Conference (DASC)*, pp 6B2-1-6B2-9, 2014.
92. Pengpeng Liang, Yi Wu, Xue Mei, Jingyi Yu, Erik Blasch, Haitao Lang, D. Prokhorov, Chunyuan Liao, and Haibin Ling. "Blur-Resilient Tracking Using Group Sparsity." In *Proc. of Asian Conf. on Computer Vision (ACCV)*, 2014.
93. Liang Du, Meng Yi, Erik Blasch, and Haibin Ling. "GARP-Face: Balancing Privacy Protection and Utility Preservation in Face De-identification." In *Proc. of IEEE Int'l Joint Conf. on Biometrics (IJCB)*, 2014.
94. Erik Blasch, James Nagy, Alex Aved, W.M. Pottenger, M. Schneider, Riad Hammoud, E. Jones, Arslan Basharat, A. Hoogs, Genshe Chen, Dan Shen, and Haibin Ling. "Context aided Video-to-text Information Fusion." In *Proc. of the Int'l Conf. on Information Fusion (FUSION)*, 2014.
95. Xinqing Guo, Jin Sun, Zhan Yu, Haibin Ling, and Jingyi Yu. "Mobile Multi-Flash Photography." In *Proceedings of SPIE conference of Digital Photography*, 2014.
96. Erik Blasch, Zhonghai Wang, Dan Shen, Haibin Ling, and Genshe Chen. "Surveillance of ground vehicles for airport security," in *SPIE Conf. on Defense Security+Sensing*, paper 9089-11, 2014.
97. Erik Blasch, Guna Seetharaman, S. Suddarth, Kannappan Palaniappan, Genshe Chen, Haibin Ling, A. Basharat. "Summary of Methods in Wide-Area Motion Imagery (WAMI)," in *SPIE Conf. on Defense Security+Sensing*, paper 9089-12, 2014.
98. Erkang Cheng, Liya Ma, Adam Blaisse, Erik Blasch, Carolyn Sheaff, Genshe Chen, Jie Wu and Haibin Ling. "Efficient Feature Extraction from Wide Area Motion Imagery by MapReduce in Hadoop," in *SPIE Conf. on Defense Security+Sensing*, paper 9089-19, 2014.
99. Keqiang Li, Lu Liu, Xiaoqing Lu, Tianxiao Feng, Haibin Ling, and Zhi Tang. "Detection of Overlapped Quadrangles in Plane Geometric Figures," in *Proc. Int'l Conf. on Document Analysis and Recognition (ICDAR)*, 2013.
100. Xinchu Shi, Peiyi Li, Weiming Hu, Erik Blasch, and Haibin Ling. "Using Maximum Consistency Context for Multiple Target Association in Wide Area Traffic Scenes," in *Proc. Int'l Conf. on Acoustics, Speech and Signal Processing (ICASSP)*, 2013.

101. Pengpeng Liang, Haibin Ling, Erik Blasch, Guna Seetharaman, Dan Shen, and Genshe Chen. "Vehicle Detection in Wide Area Aerial Surveillance using Temporal Context." In *Proc. of the Int'l Conf. on Information Fusion (FUSION)*, 2013.
102. Semir Elezovikj, Haibin Ling, and Xiufang Chen. "Foreground and Scene Structure Preserved Visual Privacy Protection using Depth Information". in *Proc. of the IEEE Int'l Conf. on Multimedia and Expo (ICME)*, 2013.
103. Jianjun Gao, Haibin Ling, Erik Blasch, Khanh Pham, Zhonghai Wang, and Genshe Chen. "Pattern of Life from WAMI Objects Tracking Based on Visual Context-Awareness and Infusion Network Model," in *SPIE Conf. on Defense Security+Sensing*, 2013. (Invited Paper)
104. Dan Shen, Haotian Xu, Erik Blasch, Khanh Pham, G. Horvath, Zhonghai Wang, Haibin Ling, and Genshe Chen. "A Holistic Image Segmentation Framework for Cloud Detection and Extraction," in *SPIE Conf. on Defense Security+Sensing*, 2013.
105. Xinchu Shi, Weiming Hu, Yun Cheng, Genshe Chen, Erik Blasch, Jinging Ji, and Haibin Ling. "Infrared Target Tracking Using Multiple Instance Learning with Adaptive Motion Prediction and Spatially Template Weighting," in *SPIE Conf. on Defense Security+Sensing*, 2013.
106. Yu Pang, Dan Shen, Genshe Chen, Pengpeng Liang, Khanh Pham, Erik Blasch, Zhonghai Wang, and Haibin Ling. "Low Frame Rate Target Localization and Tracking in Testbed," in *SPIE Conf. on Defense Security+Sensing*, 2013.
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136. Albert Montillo and Haibin Ling. “Age Regression from Faces Using Random Forests”. In *Proc. of IEEE Int’l Conf. on Image Processing (ICIP)*, Cairo, Egypt, 2009.
137. Xin Li and Haibin Ling. “Learning Based Thumbnail Cropping”. in *Proc. of the IEEE Int’l Conf. on Multimedia and Expo (ICME)*, pp. 558-561, 2009.

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138. Kui Liu, Bingwei Liu, Erik Blasch, Dan Shen, Zhonghai Wang, Haibin Ling, and Genshe Chen. “A Cloud Infrastructure for Target Detection and Tracking Using Audio and Video Fusion.” in *Workshop on Perception Beyond the Visual Spectrum (PBVS) in conjunction with CVPR*, 2015.
139. Haitao Lang, Yuyang Xi, Jianying Hu, Liang Du, and Haibin Ling. “Scene Classification by Feature Co-occurrence Matrix”, in *Proc. of the Scene Understanding for Autonomous Systems Workshop (SUAS) in conjunction with ACCV*, 2014.
140. Erik Blasch, Zhonghai Wang, Haibin Ling, Kannappan Palaniappan, Genshe Chen, Dan Shen, Alex Aved, and Guna Seetharaman. “Video-Based Activity Analysis Using the L1 Tracker on VIRAT Data,” in *Proc. IEEE Applied Imagery Pattern Recognition (AIPR) Workshop*, 2013.
141. Erik Blasch, Guna Seetharaman, Kannappan Palaniappan, Haibin Ling, and Genshe Chen. “Wide-Area Motion Imagery (WAMI) Exploitation Tools for Enhanced Situation Awareness,” in *Proc. IEEE Applied Imagery Pattern Recognition (AIPR) Workshop: Computer Vision: Time for Change*, 2012.
142. Wei Li, Xiaoqin Zhang, Wenhan Luo, Weiming Hu, Haibin Ling, and Ou Wu. “Robust object tracking with boosted discriminative model via graph embedding,” in *Proc. of the IEEE Int’l Workshop on Visual surveillance*, 1666–1672, 2011.

143. Erik Blasch, Guna Seetharaman, Mike Talbert, Kannappan Palaniappan, and Haibin Ling. “Key Elements to Support Layered Sensing Dismount Tracking,” in *Proc. NATO SET 178-RWS 017 Workshop on Detection of Dismounted Combatants*, Ottawa, ON, Sept. 2011.
144. Sajjad Baloch, Erkang Cheng, Ying Zhu, Ashraf Mohamed, Haibin Ling, and Tong Fang. “Shape based Conditional Random Fields for Segmenting Intracranial Aneurysms,” in *Proc. of the Workshop on Mesh Processing in Medical Image Analysis in conjunction with MICCAI*, 2011.
145. Wei Li, Xiaoqin Zhang, Nianhua Xie, Weiming Hu, Wenhan Luo, and Haibin Ling. “Probabilistic Index Histogram for Robust Object Tracking,” in *Proc. of the Tenth Int’l Workshop on Visual Surveillance*, Queenstown, New Zealand, 2010.
146. Xiaoqin Zhang, Weiming Hu, Xiangyang Wang, Yu Kong, Nianhua Xie, Hanzi Wang, Haibin Ling, and Stephen Maybank. “A Swarm Intelligence Based Searching Strategy for Articulated 3D Human Body Tracking”. In *Proc. of IEEE Workshop on 3D Information Extraction for Video Analysis and Mining in conjunction with CVPR*, San Francisco, 2010.

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1. Chiu C. Tan, Haibin Ling, and Jie Wu. “Vehicular-based Video-centric Public Safety Systems”.
2. Haibin Ling. “Multi-dimensional assignment via rank-1 tensor approximation for multi-target tracking”, *Workshop on Recent Trends in Computer Vision*, College Park, MD, 2014.
3. Liang Du and Haibin Ling. “Dynamic Scene Classification Using Spatially Redundant Instances”, *the 3rd GNY Area Multimedia and Vision Meeting*, New York, NY, 2013.
4. Haibin Ling, X. Yang, Fangfang Xie, Jie Yang, Vasileios Megalooikonomou, “Trabecular Texture Analysis in Dental Cone Beam CT”, *Analysis of Tomographic Images for Clinics: Challenges and Recent Advances, SIAM Conference on Imaging Sciences*, Philadelphia, 2012.
5. M. Zhang and Haibin Ling, “Distinguish financial Statement Frauds and Errors Using Machine Learning Techniques,” *the Academy of Business Research Conference*. Atlantic City, NJ, 2012.
6. Liang Du and Haibin Ling. “Face De-identification for Privacy Protection Using Consensus of Data Utility”, *the Workshop of Northeast Computer Vision*, Hobokon, NJ, 2012.
7. Tatyana Nuzhnaya, Vasileios Megalooikonomou, Haibin Ling, M. Kohn, R. Steiner, “Classification and quantification of emphysema texture patterns in CT lung imaging”, *the Int’l Functional Lung Imaging Workshop*, Philadelphia, 2011.
8. H. Chen, M. Zhang, and Haibin Ling, “How Does the Distinguishment between Errors and Irregularities Impact Audit Risk? Evidence from Restatement,” *Global Business and Social Science Research Conference*, Beijing, China, 2011
9. M. Zhang, H. Chen, and Haibin Ling, “Restatement and Audit Risk,” *Northeast Business and Economics Association Annual Conference*, Morristown, NJ, 2010

PATENTS

- Yefeng Zheng, Bogdan Georgescu, Haibin Ling, Michael Scheuering, and Dorin Comaniciu, “Method and System for Detecting 3D Anatomical Structures Using Constrained Marginal Space Learning”, US Patent No. 8,116,548 B2.

- Haibin Ling and Kazunori Okada, “Diffusion Distance for Histogram Comparison”, US Patent No. 7,715,623 B2.
- Jian Wang, Haibin Ling, Siwei Lyu, and Yu Zou, “Method and System for Separating Text and Drawings in Digital Ink”, US Patent No. 7,298,903 B2.

MEDIA COVERAGE

“Grad programs combine CS with other disciplines,” Sue Marquette Poremba, *Diversity & Careers in Engineering & Information Technology*, Issue: Summer/Fall 2010.

CONTRACTS AND GRANTS

- Haibin Ling. (Jan. 31, 2015 - Jan. 26, 2017) “Evaluation of High Performance Computing Enabled Multiple-Target Tracking Based on Massive Parallelism for Urban Surveillance Areas,” *Air Force Research Laboratory*, STTR Phase II subcontract, \$187,500.
- Haibin Ling (PI), Vasileios Megalooikonomou (co-PI), Jie Yang (co-PI). (Aug. 2014 - Jul. 2017) “Cost Efficient Osteoporosis Analysis using Dental Data,” *National Science Foundation*, \$595,797.
- Jie Wu (PI), Eugene Kwatny (co-PI), Haibin Ling (co-PI), and Chiu C. Tan (co-PI). (Sep. 2014 - Aug. 2016) “Mobility-Enhanced Public Safety Surveillance System using 3D Cameras and High Speed Broadband Networks”, *National Science Foundation*, \$199,995.
- Haibin Ling. (Feb. 2014 - Jan. 2019) “CAREER: High-order Tensor Analysis for Group-wise Correspondence: Theory, Algorithms, and Applications,” *National Science Foundation*, \$479,691.
- Haibin Ling. (Oct. 25, 2013 - Dec. 31, 2014) “HPC-MTT: High Performance Computing Enabled Multiple Target Tracking for Urban Surveillance Areas,” *Air Force Research Laboratory*, STTR Phase I subcontract, \$50K, FA8750-14-C-0043.
- Haibin Ling. (Jun. 21, 2013 - Jun. 19, 2015) “Video to Text (V2T) for Wide Area Motion Imagery,” *Air Force Research Laboratory*, subcontract, \$50K.
- Haibin Ling (PI), Jingyi Yu (PI). (Sep. 2012 - Aug. 2015) “Contour-Assisted Visual Inference: Systems, Algorithms, and Applications,” *National Science Foundation*, \$457,673.
- Haibin Ling. (Aug. 2012 - Aug. 2013) “Autonomous ISR Testbed with Multiple Robots,” *Air Force Research Laboratory*, subcontract, \$70K.
- Haibin Ling. (Sep. 2010 - Aug. 2012) “A New Framework for Balancing Deformability and Discriminability in Computer Vision,” *National Science Foundation*, \$68,863.
- Haibin Ling. (Sep. 2011 - Nov. 2012) “SOA based ISR Testbed Development,” *Air Force Research Laboratory*, \$74,950.
- Vasileios Megalooikonomou (PI), Haibin Ling (co-PI), Predrag Bakic (co-PI). (Sep. 2009 - Aug. 2012) “Modeling, Detection, and Analysis of Branching Structures in Medical Imaging,” *National Science Foundation*, \$498,633.

TEACHING

- CIS 8543/5543, *Computer Vision*, Temple University, Department of Computer and Information Science, Spring 2012, Fall 2013, Spring 2015.
- CIS 2033: *Computational Probability and Statistics*, Temple University, Department of Computer and Information Science, Fall 2014.
- CIS 2166: *Mathematical Concepts in Computing II*, Temple University, Department of Computer and Information Science, Spring 2014.
- CIS 3223/5501, *Data Structures and Algorithms*, Temple University, Department of Computer and Information Science, Fall 2009, Fall 2010, Fall 2011, Fall 2012, Spring 2013.
- CIS 8590.002, *Visual Information Analysis*, Temple University, Department of Computer and Information Science, Spring 2010, Spring 2011.
- CIS 8590.002, *Statistical Foundations of Data Analysis*, Temple University, Department of Computer and Information Science, Spring 2009.

ADVISING

Visiting Scholar

- Haiqiang Zuo (2015–), Associate Professor, China University of Petroleum
- Guanyu Xing (2015–), Assistant Professor, University of Electronic Science and Technology of China
- Chunjuan Bo (2015–), Assistant Professor, Dalian Nationalities University, China
- Tao Wang (2014–2015), Assistant Professor, Beijing Jiaotong University, China
- Xin Liang (2015), Associate Professor, Dalian Medical University, China
- Qi Zou (2014–2015), Associate Professor, Beijing Jiaotong University, China
- Yun Cheng (2011), Professor, Hunan University of Humanities, Science & Technology, China
- Haitao Lang (2011), Associate Professor, Beijing University of Chemical Technology, China

Postdoc

- Dong Wang (2015–)
- Yi Wu (2010–2012), Assistant Professor, Nanjing Univ. of Information Science and Technology, China

Doctoral Student Supervision

- Peng Chu
- Shuai Di (co-advising with Honggang Zhang)
- Semir Elezovikj
- Heng Fan
- Peiyi Li
- Pengpeng Liang
- Yu Pang
- Houwen Peng (co-advising with Weiming Hu)
- Yuxi Wang (co-advising with Yue Liu)

- Meng Yi

Graduated

- Liang Du, 2015, last known employment: Microsoft
- Ying Huang (visiting student in 2014)
- Jin Gao, 2015 (visiting student in 2014), last known employment: Assistant Professor, Institute of Automation, Chinese Academy of Sciences
- Tatyana Nuzhnaya (co-advised with Vasileios Megalooikonomou), 2015, last known employment: J.P. Morgan
- Haoran Wang, 2015 (visiting student in 2013), last known employment: Assistant Professor, Northeastern University, China
- Erkang Cheng, 2014, last known employment: Broncus Medical, Inc.
- Xinchu Shi, 2013 (co-advised with Weiming Hu), last known employment: Assistant Professor, Institute of Automation, Chinese Academy of Sciences
- Nianhua Xie, 2011 (co-advised with Weiming Hu), last known employment: Sogou

Master Student Supervision

- Ngoc-Tung Nguyen
- Xiuwen Yu

Graduated

- Yanling Chen, 2015
- Tuan Anh Vo, 2015
- Yiyi Zhu, 2015
- Gaoxiang Liu (Medical school), 2015
- Bingyao Huang (Rowan University, external committee), 2015
- Joseph Catrambone, 2014
- Semir Elezovikj, 2014, now PhD student in my group
- Gregory Teodoro, 2014 (co-advised with Justin Y. Shi)
- Liya Ma, 2013, last known employment: Broncus Medical, Inc.
- Congyi Zhou, 2013, last known employment: Cerner Corporation
- Gregory Johnson, 2012
- Jin Sun, 2012, now PhD student at Univ. of Maryland College Park
- Xiong Yang, 2012 (co-advised with Yong Xu), last known employment: Great Wall Fund Management
- Jingting Zeng, 2011, last known employment: Sigma Designs
- Xin Li, 2009, last known employment: eBay

Undergraduate Student Supervision

- Ismail Amzovski
- Jiyeon Song

- Yifan Wu
- Zilong Zou (2014), now graduate student at Ohio State University
- Ferria Amzovski (2013–2014)
- Robert Laderman (2013)
- Haotian Xu (2011–2012), now PhD student at Wayne State University
- Peiyi Li (2010–2011), now PhD student in my group
- Angelo Saxon Jr. (2011)
- Shawn McLaughlin (2010–2011)
- Teresa Rothaar (2010)

Ph.D. Committee Member

- Zhuo Deng
- Nan Li
- Shuang Liang
- Wei Wang (Lehigh University)
- Pouya Ostovari, Prelim I and II
- Xueli Huang, 2015
- Le Shu, defended 2015
- Ralph Oyini Mbona (ECE Department), defended 2014
- Geoff Oxholm (Drexel University), defended 2014
- Tianyang Ma, defended 2013, last known employment: Amazon
- Shuang Lu (ECE Department), Prilim I
- Li An, defended 2012, last known employment: Allscripts
- Xingwei Yang, defended 2011, last known employment: GE Global Research
- Suzan Koknar-Tezel, defended 2010, last known employment: San Joseph University
- Xue Mei (University of Maryland College Park), defended 2009, last known employment: Intel

High School Student Supervision

- Jonathan Xu, Central Bucks High School East, Pennsylvania

TALKS

- **Domestic:** University of Delaware (2015,2009), National Institute of Standards and Technology (2015), National Institutes of Health (2014), University of Maryland Baltimore County (2013), University of Maryland College Park (2013), George Mason University (2013), Stevens Institute of Technology (2013,2008,2007), City University of New York (2011), Drexel University (2009), Lehigh University (2009), University at Albany, SUNY (2009), University of Pennsylvania (2008), California Institute of Technology (2006), University of California Los Angeles (2006), Johns Hopkins University (2006)

- **International:** Tsinghua University, China (2015), Northeastern University, China (2015), Dalian Medical University, China (2015), Fudan University, China (2015), Zhejiang University, China (2015), Shanghai Technology University (2015), Shanghai University (2015), Beijing Jiaotong University (2015), Institute of Computing Technology, Chinese Academy of Sciences (2015), Institute of Information Engineering, Chinese Academy of Sciences (2015), South China University of Technology (2015, 2014, 2009), Beihang University (2014), Beijing Univ. of Chemical Technology (2014), Peking University, China (2014, 2011, 2010), Institute of Automation, Chinese Academy of Sciences (2014,2005), DSO National Laboratories, Singapore (2011), Nanyang Technological University, Singapore (2011), National University of Singapore (2011), Shandong University, China (2010), Huazhong University of Science & Technology, China (2009, 2015)
- **Industrial Lab:** Microsoft Research Asia (2015), Samsung Lab Beijing (2015), Meitu Inc. (2015), Yahoo Lab New York (2014), Siemens Corporate Research (2007), GE Global Research (2007)

PROFESSIONAL ACTIVITIES

Editorial Services

- Editorial Board, Pattern Recognition Journal, 2015–
- Guest Co-Editor, Pattern Recognition Journal, Special Issue on Discriminative Feature Learning from Big Data for Visual Recognition, 2014

Grant Proposal Review

- National Science Foundation (NSF), 2008(panel), 2009, 2011, 2013(panel), 2014(panel), 2015 (panel)
- Israel Science Foundation (ISF), 2011, 2015

Conference Organizing Committee

- Area Chair, IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), 2014, 2016
- Poster Chair, the 3rd GNY Area Multimedia and Vision Meeting (GNY-MV), 2013
- Symposium Chair, Int'l Conf. on Computing, Networking and Communications (ICNC), 2013

Conference Program Committee or Reviewers

- IEEE Conf. on Computer Vision and Pattern Recognition (CVPR), 2005–2013, 2015
- IEEE Int'l Conf. on Computer Vision (ICCV), 2007–2015 (biannual)
- Neural Information Processing Systems Conference (NIPS), 2015
- Int'l Conf. on Medical Image Computing and Computer Assisted Intervention (MICCAI), 2012–2013
- AAAI Conference on Artificial Intelligence (AAAI), 2015
- European Conf. on Computer Vision (ECCV), 2010–2014 (biannual)
- IEEE Int'l Symposium on Biomedical Imaging (ISBI), 2014–2016
- Asian Conf. on Computer Vision (ACCV), 2010–2014 (biannual)
- Int'l Conf. on Pattern Recognition (ICPR), 2010–2014 (biannual)

- Int'l Conf. on Acoustics, Speech and Signal Processing (ICASSP), 2014, 2015
- IEEE Int'l Conf. on Multimedia & Expo (ICME), 2009–2015
- ARES conference Special Session on Privacy Aware Machine Learning, 2016
- IEEE Int'l Conf. on Automatic Face and Gesture Recognition (FG), 2013, 2015
- ACCV Workshop on My Car Has Eyes: Intelligent Vehicle With Vision Technology, 2014
- SPIE Conf. on Geospatial InfoFusion and Video Analytics IV, 2014
- Int'l Conf. on Internet Multimedia Computing and Service, 2014
- Int'l Conf. on Intelligence Science and Big Data Engineering (IScIDE), 2013
- Int'l Workshop on Cloud Enhanced Information Fusion (CloudFusion), 2013
- MICCAI Workshop on Sparsity Techniques in Medical Imaging, 2012
- Int'l Conf. on Computer Vision in Remote Sensing (CVRS), 2012
- ACCV Workshop on Detection and Tracking in Challenging Environments (DTCE), 2012
- High-Performance Medical Image Computing for Image-Assisted Clinical Intervention and Decision-Making (HP-MICCAI), 2010
- IEEE Workshop on Multimedia Signal Processing (MMSP), 2012
- Int'l Conf. on CAD/Graphics, 2011

Book Proposal Review

- Springer, 2012

Journal Review ACM Trans. on Intelligent Systems and Technology (**T-IST**) ◊ Aerospace Science & Technology ◊ Applied Optics ◊ Asia-Pacific J. of Operational Research ◊ Computer & Graphics ◊ Computer Vision and Image Understanding (**CVIU**) ◊ Computer-Aided Design (**CAD**) ◊ Digital Signal Processing ◊ IEEE Aerospace and Electronic Systems Magazine ◊ IEEE MultiMedia ◊ IEEE Signal Processing Letters (**SPL**) ◊ IEEE Trans. on Circuits and Systems for Video Technology (**T-CSVT**) ◊ IEEE Trans. on Human-Machine Systems ◊ IEEE Trans. on Image Processing (**T-IP**) ◊ IEEE Trans. on Information Forensics & Security (**T-IFS**) ◊ IEEE Trans. on Information Technology in BioMedicine ◊ IEEE Trans. on Medical Imaging (**T-MI**) ◊ IEEE Trans. on Multimedia (**T-MM**) ◊ IEEE Trans. on Multimedia (**T-MM**) ◊ IEEE Trans. on Neural Networks and Learning Systems (**T-NNLS**) ◊ IEEE Trans. on Pattern Analysis and Machine Intelligence (**T-PAMI**) ◊ IEEE Trans. on Systems, Man, and Cybernetics–Part B: Cybernetics (**T-SMC**) ◊ IEEE Trans. on Systems, Man, and Cybernetics: Systems ◊ IEEE Trans. on Visualization and Computer Graphics (**T-VCG**) ◊ IET Computer Vision ◊ IET Image Processing ◊ Image and Vision Computing (**IMAVIS**) ◊ Information Sciences ◊ Int'l J. of Advanced Robotic Systems ◊ Int'l J. of Computer Vision (**IJC**) ◊ Int'l J. of Parallel, Emergent and Distributed Systems ◊ J. of Artificial General Intelligence ◊ J. of Biomedical Optics ◊ J. of Computer Science and Technology ◊ J. of Electronic Imaging ◊ J. of Mathematical Imaging and Vision (**JMIV**) ◊ J. of Medical Imaging ◊ J. of Signal Processing Systems ◊ J. of Visual Communication and Image Representation (**JVCI**) ◊ J. of Zhejiang University Science C ◊ Machine Vision and Applications (**MVA**) ◊ Multimedia Systems ◊ Neural Computing and Applications ◊ Neurocomputing ◊ Optical Engineering ◊ Pattern Recognition (**PR**) ◊ Pattern Recognition Letters (**PRL**) ◊ PLOS ONE ◊ Signal, Image and Video Processing ◊ Signal Processing ◊ Signal Processing: Image Communication ◊ Taxon ◊ Visual Computer