WANG Limin

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EDUCATION BACKGROUNDS

The Chinese University of Hong Kong, Hong Kong.   2011.08 - now
- PhD in Information Engineering, Supervised by Prof. TANG Xiaoou.
- Courses: *Foundations of Optimization, Information Theory, Spectral Algorithms, Optimization Techniques in Signal Processing.*

Nanjing University, Nanjing, China.   2007.09 - 2011.07
- B.Sc. in Computer Science and Technology, Supervised by Prof. LU Tong.
- Overall GPA: 4.53/5, Major GPA: 4.6/5, Rank: 4/160.

INTERESTS

Computer Vision: high-level vision problems such as object detection, image classification and action recognition.

Machine Learning: discriminative structure learning such as latent structure SVM and sparse optimizations.

RESEARCH EXPERIENCES

Multimedia Lab of Information Engineering, CUHK.   2011.07 - now
- Postgraduate mentored by Prof. TANG Xiaoou.
- **Research Work:** We focus on new representatives of video data and temporal model for human action recognition in unconstrained videos.

State Key Lab for Novel Software Tech. of Nanjing University.   2011.01 - 2011.07
- Student RA mentored by Prof. LU tong.
- **Research Work:** We design a novel method for multiclass object detection by using Hough Forest and Context Model.

Shenzhen Institute of Advanced Technology, CAS.   2010.09 - 2011.12
- Visiting Student of Multimedia Lab Supervised by Prof. QIAO Yu.
- **Research Work:** Voice Conversion based on Gaussian Mixtures Model, Mixture of Linear Regression, Mixture of Experts.

Innovation Project of Undergraduate, Nanjing University.   2009.07 - 2010.07
- Core member of Project Supervised by Prof. LU Tong.
- **Research Work:** We propose a novel framework to convert a surveillance video clip into one abstract image containing the integrated contour of interested object.

PUBLICATIONS <u>Journal Papers</u>

[J01]. **L. Wang**, Y. Qiao, and X. Tang, Latent Hierarchical Model of Temporal Structure for Complex Activity Classification, in IEEE Transactions on Image Processing (TIP), Vol. 23, No. 2, 2014.

<u>CVPR, ICCV, ECCV Conferences (three top conferences in CV)</u>

[C03]. Z. Cai, **L. Wang**, X. Peng, and Y. Qiao, Multi-view Super Vector for Action

Recognition, in Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Columbus, Ohio, USA, 2014. (oral, 5.75 % acceptance rate)

[C02]. **L. Wang**, Y. Qiao, and X. Tang, Mining Motion Atoms and Phrases for Complex Action Recognition, in Proceedings of IEEE International Conference on Computer Vision (ICCV), Sydney, Australia, 2013. (poster, 27.5% acceptance rate)

[C01]. **L. Wang**, Y. Qiao, and X. Tang, Motionlets: Mid-Level 3D Parts for Human Motion Recognition, in Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Portland, Oregon, USA, 2013. (poster, 25.2% acceptance rate)

Other Conferences

[C04]. X. Peng, **L. Wang**, Y. Qiao, and Q. Peng, A Joint Evaluation of Dictionary Learning and Feature Encoding for Action Recognition, in Proceedings of International Conference on Pattern Recognition (ICPR), Stockholm, Sweden, 2014. (poster,)

[C03]. X. Wang, **L. Wang**, and Y. Qiao, A Comparative Study of Encoding, Pooling and Normalization Methods for Action Recognition, in Proceedings of Asian Conference on Computer Vision (ACCV), Daejeon, Korea, 2012. (poster, 23.2% acceptance rate)

[C02]. **L. Wang**, Y. Wu, T. Lu, and K. Chen, Multiclass Object Detection by Combining Local Appearances and Context, in Proceedings of ACM International Conference on Multimedia (ACM MM), Scottsdale, Arizona, USA, 2011. (poster, 30% acceptance rate)

[C01]. **L. Wang**, Y. Wu, Z. Tian, Z. Sun, and T. Lu, A Novel Approach for Robust Surveillance Video Content Abstraction, in Proceedings of Pacific-Rim Conference on Multimedia (PCM), Shanghai, China, 2010.

CONTESTS	THUMOS'13 Action Recognition Challenge	2013.
	• Team member: Xiaojiang Peng, **Limin Wang**, and Zhuowei Cai.	
	• Result: Rank 4/16, Actual Rank 1/16.	
	Multi-Modal Gesture Recognition Challenge	2013.
	• Team member: Wei Li and **Limin Wang**	
	• Result: Rank 4/54	

HONORS AND SCHOLARSHIPS	Hong Kong PhD Fellowships	2011 - now
	Best Bachelor Thesis Team of Jiangsu Province	2011
	Outstanding Graduate of Nanjing University	2011
	Excellent Undergraduate Innovation Project of Nanjing University	2010
	Google Scholarship	2010
	National Scholarship	2009
	Province First Prize, China Undergraduate Mathematical Contest in Modeling	2009
	Tung OOCL (Orient Overseas Container Line) Scholarship	2008
	Outstanding Student of Nanjing University	2008