

Hantao Yao

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1 EDUCATION BACKGROUND

2012.9 – present University of Chinese Academy of Science
Institute of Computing Technology, Chinese Academy of Sciences
Ph.D. candidate in Computer Science (Advisor: Prof. Jintao Li)

2008.9 – 2012.7 Xidian University
Software Engineering
Bachelor of Engineering

2 RESEARCH INTERESTS

Deep Learning for Computer Vision, Multimedia Information Retrieval

- Fine-Grained Object Recognition
- Large-scale and fine-grained instance retrieval
- Person Re-Identification

3 PUBLICATIONS

Journal, Published IEEE Transactions on Image Processing, 2016
Hantao Yao, Shiliang Zhang, Yongdong Zhang, Jintao Li, and Qi Tian, "Coarse-to-Fine Description for Fine-Grained Visual Categorization." IEEE Transactions on Image Processing (TIP) 25, no. 10 (2016): 4858-4872.

Journal, Published IEEE Transactions on Image Processing, 2017
Hantao Yao, Shiliang Zhang, Yongdong Zhang, Jintao Li, Qi Tian, "AutoBD: Automated Bi-level Description for Scalable Fine-Grained Visual Categorization".

Conference, Accepted ACM Multimedia, MM 2017
Hantao Yao, Shiliang Zhang, Yongdong Zhang, Jintao Li, Qi Tian, "One Shot Fine-Grained Instance Retrieval".

Conference, Accepted ACM Multimedia, MM 2017
Longhui Wei, Shiliang Zhang, **Hantao Yao**, Wen Gao, Qi Tian, "GLAD: Global-Local-Alignment Descriptor for Pedestrian Retrieval".

Conference, Published IEEE International Conference on Multimedia and Expo (ICME), ICME 2017
Hantao Yao, Shiliang Zhang, Dongming Zhang, Yongdong Zhang, Jintao Li, Yu Wang, and Qi Tian, "Large-scale person re-identification as retrieval," ICME 2017

Journal, Published Image and Vision Computing
Hantao Yao, Dongming Zhang, Jintao Li, Jianshe Zhou, Shiliang Zhang, Yongdong Zhang, "DSP: Discriminative Spatial Part Modeling for Fine-Grained Visual Categorization".

Conference, Published In Mobile Services (MS), 2015 IEEE International Conference on
Hantao Yao, Shiliang Zhang, Fei Xie, Yongdong Zhang, Dongming Zhang, Yu Su, and Qi Tian, "Orientational spatial part modeling for finegrained visual categorization".

4 SUBMITTED

- Journal, Submitted IEEE Transactions on Computational Imaging
Hantao Yao, Feng Dai, Dongming Zhang, Yike Ma, Shiliang Zhang, Yongdong Zhang,
"DR²: Deep Residual Reconstruction Network for Image Compressive Sensing".
- Journal, Submitted IEEE Transactions on Multimedia
Longhui Wei, Shiliang Zhang, **Hantao Yao**, Wen Gao, Qi Tian, "GLAD: Global-Local-
Alignment Descriptor for Scalable Pedestrian Retrieval".
- Online, Submitted arXiv preprint arXiv:1707.00798
Hantao Yao, Shiliang Zhang, Dongming Zhang, Yongdong Zhang, Jintao Li, Qi Tian,
"Deep Representation Learning with Part Loss for Person Re-Identification".

5 AWARDS

2016.12 Dean Scholarship of ICT, CAS