

Min Tan

- **Personal Information**

Date of Birth: 17/09/1987 Gender: Female
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- **Work**

10/2015 – Now **Associate professor**, School of Computer Science and Technology
Hangzhou Dianzi University (HDU)

- **Training**

6/2013 – 2/2014 **Intern**
Visual Computing group, **MSRA**
Advisor: Baoyuan Wang

- **Education**

9/1/2009 – 9/30/2015 Department of Computer Science, Zhejiang University, **Ph.D.**
Advisor: Wu Zhaohui (President of ZJU), Gan Pang (email:
gpan@zju.edu.cn)

9/1/2005 – 6/30/2009 School of Mathematical Science and Computing Technology, Central
South University, **Bachelor's Degree**

- **Publications**

Journal

1. Jun Yu, **Min Tan***, Hongyuan Zhang, Yong Rui, Dacheng Tao. Hierarchical Deep Click Feature Prediction for Fine-grained Image Recognition[J]. IEEE transactions on pattern analysis and machine intelligence (**TPAMI**), 2019. (Online, corresponding author) (CCF A, JCR rank 1, IF=17.73)
2. **Min Tan**, Jun Yu, Hongyuan Zhang, Yong Rui, Dacheng Tao. Image Recognition by Predicted User-click Feature with Multi-domain Multi-task Transfer Deep Network[J]. IEEE Transactions on Image Processing (TIP), 2019, 28(12): 6047-6062. (CCF A, JCR rank 2, IF: 9.63)
3. **Min Tan**, Baoyuan Wang, Zhaohui Wu, Jingdong Wang, Gang Pan, Weakly Supervised Metric Learning for Traffic Sign Recognition in a LIDAR Equipped Vehicle, IEEE Transactions on Intelligent Transportation Systems (**T-ITS**), 2016, 17(5):1415-1427. (CCF B, JCR rank 1, IF= 4.051)

4. **Min Tan**, Jun Yu, Zhou Yu, et al. User-Click-Data-Based Fine-Grained Image Recognition via Weakly Supervised Metric Learning[J]. ACM Transactions on Multimedia Computing, Communications, and Applications (**TOMM**), 2018, 14(3): 70. (JCR rank 2, IF= 2.019)
5. **Min Tan**, Zhenfang Hu, Baoyuan Wang, Jieyi Zhao, Yueming Wang, Robust object recognition via weakly supervised metric and template learning, Neurocomputing, 2016, 181: 96-107. (JCR rank 1,IF=3.241)
6. **Min Tan**, Gang Pan, Wang, Yueming, Yuting Zhang, Zhaohui Wu, L1-norm latent SVM for compact features in object detection, Neurocomputing, 2014,139: 56-64. (IF=3.241)
7. **Tan M**, Zhou J, Peng Z, et al. Fine-grained image classification with factorized deep user click feature[J]. Information Processing & Management, 2020, 57(3): 102186. (IF=3.892)
8. **Tan M**, Zhou J, Xu K, Peng Z, et al. Static Hand Gesture Recognition with Electromagnetic Scattered Field via Complex Attention Convolutional Neural Network[J]. IEEE Antennas and Wireless Propagation Letters, 2020,19(4): 705-709. (IF=3.726)
9. **Min Tan**, Guijun Wang, Jian Zhou, et al. Fine-grained Classification via Hierarchical Bilinear Pooling with Aggregated Slack Mask[J]. IEEE ACCESS, 2019, 7: 117944-117953. (JCR rank 2, IF=3.557)
10. **Min Tan**, Jun Yu, Qingming Huang, Weichen Wu, Click Data Guided Query Modeling with Click propagation and Sparse Coding, Multimedia Tools and Applications, 2018: 1-14. (JCR rank 3, IF=1.541)
11. Fei Gao, Yi Wang, Panpeng Li, **Min Tan**, et al. DeepSim: Deep similarity for image quality assessment[J]. Neurocomputing, 2017, 257: 104-114. (JCR rank 1,IF= 3.241)

Conference

1. Guangjian Zheng, **Min Tan***, Jun Yu, et al, Fine-grained Image Recognition via Weakly Supervised Click Data Guided Bilinear CNN model, IEEE International Conference on Multimedia and Expo (ICME), Hong Kong, P.R. China 2017.7.10-2017.7.14. (CCF B)
2. **Min Tan**, Jun Yu, Guangjian Zheng, Weichen Wu, Kejia Sun, Deep Neural Network Boosted Large Scale Image Recognition Using User Click Data, International Conference on Internet Multimedia Computing and Service, Xi'an, P.R. China, 2016.8.19-2016.8.21.
3. Weichen Wu, **Min Tan***, Guangjian Zheng, Jun Yu, Query Modeling for Click Data based Image Recognition using Graph based Propagation and Sparse Coding, International Conference on Internet Multimedia Computing and Service, Qingdao, P.R. China, 2017.8.23-2016.8.25. (corresponding author)

4. Haichao Zhang, **Min Tan***, Jun Yu. Deep click feature based query merging for robust image recognition[C]//Proceedings of the 10th International Conference on Internet Multimedia Computing and Service. ACM, 2018: 9. (corresponding author)
5. Zhenzhong Kuang, Jun Yu, Jianping Fan, **Min Tan**. Deep Point Convolutional Approach for 3D Model Retrieval[C]//2018 IEEE International Conference on Multimedia and Expo (ICME). IEEE, 2018: 1-6. (CCF B)

(Note: * denotes corresponding author)

- **Research Area**

1. Computer vision

Fine-grained image recognition, object detection, image retrieval

2. Multimedia

Vision and language, multimedia search, multimodal fusion and embedding

3. Machine learning

Deep Transfer learning, weakly supervised learning, deep model compression

- **Patent**

Name	Number	Authorization date
一种基于点击特征预测的图像分类方法	ZL 2018 1 0199059.6	2020.07.17
一种基于图片文本点击量的相近文本的合并方法	ZL 2017 1 0165283.9	2020.08.04
一种基于点击与视觉融合的弱监督双线性深度学习方 法	ZL 2017 1 0059373.X	2020.04.21
一种基于用弱监督深度学习的文本聚类方法专利	CN109582782A	2019.04.05 (Publication date)
基于多尺度 ROI 特征的双二次池化细粒度图像分类 方法	CN110533024A	2019.12.03 (Publication date)
基于词性分解的深度用户点击特征的细粒度图像分类 方法	CN111191691A	2020.05.22 (Publication date)

- **Awards & Honors**

2018	ICME 2018 Best paper award
2009 – 2010	The GuangHua Educational Scholarship, Zhejiang University
2007 – 2008	National Scholarship, Central South University

- **Professional Activities**

Top Journal Reviewer: TIST、ITS、TIP、Neurocomputing

Top Conference Reviewer: AAAI, IJCAI, ICME

- **Projects (PI)**

2020	Ministry of Education Collaborative Education Project of China	50,000 RMB
2019	National Natural Science Foundation of China (No. 61972119)	750,000 RMB
2018	Zhejiang Provincial Natural Science Foundation of China (No. LY19F020038)	100,000 RMB
2016	National Natural Science Foundation of China (No. 62602136)	240,000 RMB

- **Courses**

2016	Fundamentals of College Computer
2016 – Now	Frontiers of Computer Science
2017 – Now	C Programming Language
2018	Data Mining
2018 – Now	Innovation Practice