

简历(CV)

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教育经历 (Education)

- **Ph.D**, Pattern Recognition and Intelligent System, Institute of Automation, Chinese Academy of Sciences (CAS) , University of CAS 2010.9–2015.7
Advisor: Prof. Changsheng Xu
- **M.S.**, Communication and Information System, Wuhan University 2008.9–2010.7
Advisor: Prof. Qinghu Chen
- **B. S.**, Communication Engineering, Shandong Normal University 2004.9–2008.7

工作经历 (Working Experience)

- Associate Professor, Institute of Comp. Tech., Chinese Academy of Science 2018.9-Present
- Assistant Professor, Institute of Comp. Tech., Chinese Academy of Science 2017.8- 2018.9
- Postdoc, Institute of Comp. Tech., Chinese Academy of Science 2015.7–2017.8

基金资助 (Funding)

- Special Financial Grant from the China Postdoctoral Science Foundation. Social media data fusion and understanding based on multimodal attention networks, Principal Investigator (PI), No. 2017T100110. 2017-2018
- The First-Class General Financial Grant from the China Postdoctoral Science Foundation. Multi-modal spatio-temporal theme modeling for Internet landmark data mining and analysis, Principal Investigator (PI), No. 2016M590135. 2016-2017
- Beijing Natural Science Foundation (BJNSF) for Youths. Fine-grained video description generation, Principal Investigator (PI), No. 4174106. 2017-2018
- National Natural Science Foundation of China (NSFC) for Youths. Social context-based multi-modal fusing, Principal Investigator (PI), No. 61602437. 2017-2019
- General Program of National Natural Science Foundation of China (NSFC). Multimodal Scene Analysis and Geographic Location Prediction, Principal Investigator (PI), No. 61972378. 2020-2023
- Joint Program of National Natural Science Foundation of China (NSFC). Models and Applications for Sample Generation and Target Recognition in Complex Environment (Subproject Investigator), No. U19B2040. 2020-2023

研究领域 (Research Area)

- 多媒体内容分析、理解与应用 (Multimedia Content Analysis, Understanding and Applications)
- 食品计算 (Food Computing)

学术获奖(Academic Award)

- ACM China SIGMM Rising Star, 2020.
- Best Paper Award, IEEE Multimedia Magazine, 2017.
- Best Paper Award, ACM Trans. on Multimedia Computing, Communications, and Applications, 2016

学术服务(Academic Service)

- CCF TCMT, Technical Committee Member & Secretary
- Member of the Youth Editorial Board of Smart Agriculture
- Main Organizer: ICCV2021 Workshop on LargeFineFoodAI: Large-Scale Fine-Grained Food Analysis
- Guest Editor: IEEE Multimedia Magazine, Special issue on “Urban Multimedia Computing: Emerging Methods in Multimedia Computing for Urban Data Analysis and Applications”, 2019–2020
- Guest Editor: Multimedia Tools and Applications, Special issue on “Highly Effective and Efficient Multimedia Processing Methods and Applications”, 2017-2018
- Guest Editor: Neurocomputing, Special issue on “Deep Neural Networks for Emerging Multimedia Computing and Applications”, 2017-2018
- Special Session Organizers: PCM2017, Special session on “Multimedia Analysis and Applications from Multiple Social Networks”
- Special Session Organizers: MMSP2015, Special session on “Multimedia Big Data Analysis and Retrieval ”
- Serve as one Organizing Committee Member of the following conferences:
 - Area Chair, ACM MM2021
 - Student Travel Grant Chair, ACM MM Asia2019
 - Area Chair, ACM MM Asia2019
 - Publication Chair, ICIMCS2018
 - Financial Chair, PCM2017
 - Financial Chair, ICIMCS2015
- Serve as one Program Committee Member of the following conferences:
 - ACM Multimedia 2018/2019/2020
 - CVPR 2021
 - ICCV 2021
 - AAAI2018/2019/2020
 - IJCAI2017/2018/2019/2020
 - ICMR2020
 - ICME2020
 - ICIP2017/2018
 - ACM MM Asia2020
 - MMM2018/2019/2020
 - BigMM2018

- Serve as one Reviewer of the following journals:
 - IEEE Trans. on Multimedia
 - IEEE Trans. on Circuits and Systems for Video Technology
 - IEEE Trans. on Neural Network and Learning System
 - IEEE Trans. on Cybernetics
 - IEEE Trans. on Systems, Man, and Cybernetics: Systems
 - IEEE Trans. on Emerging Topics in Computing
 - ACM Trans. on Multimedia Computing Communications and Applications
 - ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)
 - IEEE Multimedia Magazine
 - IEEE Access
 - Patterns (Cell Press)
 - Food & Function (Royal Society of Chemistry)
 - Sensors
 - 《食品工业科技》 (Science and Technology of Food Industry)

受邀报告(Invited Talks)

- Food Computing for Multimedia, ACM Multimedia 2020 Tutorial
- Few-Shot Food Image Recognition, Young Researcher Forum, ICIG2018
- Geo-Multimedia Analysis and Applications, Young Researcher Forum, ICIMCS2017
- Exploring Rich Recipe Information for Cross-Region Food Analysis, Academic Salon Activities, CCF Multimedia Committee 2017

代表性论文(Selected Publications)

期刊(Journal) (*代表通讯作者(*denotes Correspondence Author))

1. **Weiqing Min**, Shuqiang Jiang, Linhu Liu, Yong Rui and Ramesh Jain. A Survey on Food Computing. ACM Computing Surveys (CSUR) 52(5): 92:1–92:36 (2019)
2. **Weiqing Min**, Shuhuan Mei, Zhuo Li and Shuqiang Jiang. A Two-Stage Triplet Network Training Framework for Image Retrieval. IEEE Trans. on Multimedia. 22(12), 3128-3138 (2020)
3. **Weiqing Min**, Shuqiang Jiang, Ramesh C. Jain. Food Recommendation: Framework, Existing Solutions and Challenges. IEEE Trans. on Multimedia. 22(10): 2659-2671 (2020)
4. **Weiqing Min**, Shuhuan Mei, Linhu Liu, Yi Wang, and Shuqiang Jiang. Multi-Task Deep Relative Attribute Learning for Visual Urban Perception. IEEE Trans. on Image Processing 29(1): 657-669, 2020
5. **Weiqing Min***, Bing-Kun Bao, Shuhuan Mei, Yaohui Zhu, Yong Rui, Shuqiang Jiang. You Are What You Eat: Exploring Multi-modal and Multi-attribute Information from Recipes for Cross-Region Food Analysis. IEEE Trans. on Multimedia 20(4):950-964 (2018)
6. **Weiqing Min***, Shuqiang Jiang, Jitao Sang, Huayang Wang, Xinda Liu, Luis Herranz. Being a Super Cook: Joint Food Attributes and Multi-Modal Content Modeling for Recipe Retrieval and Exploration. IEEE Trans. on Multimedia 19(5): 1100-1113 (2017)
7. **Weiqing Min**, Bing-Kun Bao, Changsheng Xu. Cross-Platform Multi-Modal Topic Modeling for Personalized Inter-Platform Recommendation. IEEE Trans. on Multimedia 17(10): 1787-1801 (2015)
8. **Weiqing Min**, Changsheng Xu, Min Xu, Xian Xiao, Bing-kun Bao. Mobile Landmark Search with 3D Models. IEEE Trans. on Multimedia 16(3):623-636 (2014)

9. **Weiqing Min**, Bing-kun Bao, Changsheng Xu. Multi-modal Spatio-Temporal Theme Modeling for Landmark Analysis. *IEEE Multimedia* 21(3): 20-29 (2014) (**2017 Best Paper Award**)
10. **Weiqing Min**, Bing-kun Bao, Changsheng Xu. An Incremental Probabilistic Model for Temporal Theme Analysis of Landmarks. *Multimedia System Journal* 22(4): 465-477 (2016)
11. **Weiqing Min**, Shuqiang Jiang, Shuhui Wang, et al. A Survey on Context-aware Mobile Visual Recognition. *Multimedia System Journal* 23(6): 647-665 (2017)
12. Xinda Liu, **Weiqing Min**, Shuhuan Mei, Lili Wang, Shuqiang Jiang. Plant Disease Recognition: A Large-Scale Benchmark Dataset and a Visual Region and Loss Reweighting Approach. *IEEE Trans. on Image Processing*. 30: 2003-2015 (2021)
13. Jing Wang, **Weiqing Min**, Sujuan Hou, Shengnan Ma, Yuanjie Zheng, Shuqiang Jiang. LogoDet-3K: A Large-Scale Image Dataset for Logo Detection. *ACM Trans. on Multimedia Computing, Communications, and Applications*. 2021 (Accepted)
14. Yaohui Zhu, **Weiqing Min**, Shuqiang Jiang. Attribute-Guided Feature Learning for Few-Shot Image Recognition. *IEEE Trans. on Multimedia*. DOI 10.1109/TMM.2020.2993952
15. Yanchao Zhang, **Weiqing Min***, Liqiang Nie, Shuqiang Jiang. Hybrid-Attention Enhanced Two-Stream Fusion Network for Video Venue Prediction. *IEEE Trans. on Multimedia*. DOI 10.1109/TMM.2020.3019714
16. Shuqiang Jiang, **Weiqing Min**, Yongqiang Lyu, Linhu Liu. Few-Shot Food Recognition via Multi-View Representation Learning. *ACM Trans. on Multimedia Computing, Communications, and Applications*, 16, 3, Article 87, 20 pages (2020)
17. Shuqiang Jiang, **Weiqing Min**, Linhu Liu, Zhengdong Luo. Multi-Scale Multi-View Deep Feature Aggregation for Food Recognition. *IEEE Trans. on Image Processing* 29(1): 265-276, 2020
18. Lv Yongqiang, **Min Weiqing**, Duan hua, Jiang Shuqiang. Few-Shot Food Recognition via Triplet Network with Relation Network. *Computer Science* 47(1): 136-143 (2020)
19. Shuqiang Jiang, **Weiqing Min**, Shuhuan Mei. Hierarchy-Dependent Cross-Platform Multi-View Feature Learning for Venue Category Prediction. *IEEE Trans. on Multimedia* 21(6): 1609–1619(2019)
20. Bing-Kun Bao, **Weiqing Min**, Teng Li, Changsheng Xu. Joint Local and Global Consistency on Interdocument and Interword Relationships for Co-Clustering. *IEEE Trans. Cybernetics* 45(1): 15-28 (2015)
21. Bing-Kun Bao, Changsheng Xu, **Weiqing Min**, M. Shamim Hossain. Cross-Platform Emerging Topic Detection and Elaboration from Multimedia Stream. *ACM Trans. on Multimedia Computing, Communications, and Applications* 11(4): 54:1-54:21 (2015) (**2016 Best Paper Award**)

会议(Conference)

1. **Weiqing Min**, Linhu Liu, Zhiling Wang, Zhengdong Luo, Xiaoming Wei, Xiaolin Wei, Shuqiang Jiang. ISIA Food-500: A Dataset for Large-Scale Food Recognition via Stacked Global-Local Attention Network. *ACM Multimedia 2020*: 393-401 (CCF-A, Oral)
2. **Weiqing Min**, Linhu Liu, Zhengdong Luo, Shuqiang Jiang. Ingredient-Guided Cascaded Multi-Attention Network for Food Recognition. *ACM Multimedia 2019*: 1331-1339 (CCF-A)
3. **Weiqing Min**, Shuqiang Jiang, Shuhui Wang, Jitao Sang, Shuhuan Mei. A Delicious Recipe Analysis Framework for Exploring Multi-Modal Recipes with Various Attributes. *ACM Multimedia 2017*: 402-410 (CCF-A)
4. Shuqiang Jiang, **Weiqing Min**, Xue Li, Huayang Wang, Jian Sun, Jiaqi Zhou. Dual Track Multimodal Automatic Learning through Human-Robot Interaction. *International Joint Conferences on Artificial Intelligence (IJCAI) 2017*: 4485-4491 (CCF-A)
5. Qiang Hou, **Weiqing Min**, Jiang Wang, Sujuan Hou, Yuanjie Zheng, Shuqiang Jiang. FoodLogoDet-1500: A Dataset for Large-Scale Food Logo Detection via Multi-Scale Feature Decoupling Network. *ACM Multimedia 2021* (CCF-A, Oral)
6. Tianyu Zhang, **Weiqing Min**, Ying Zhu, Yong Rui, Shuqiang Jiang. An Egocentric Action Anticipation Framework via Fusing Intuition and Analysis. *ACM Multimedia 2020*: 402-410 (CCF-A, Oral)

7. Jing Wang, **Weiqing Min**, Sujuan Hou, Shengnan Ma, Yuanjie Zheng, Haishuai Wang, and Shuqiang Jiang. Logo-2K+: A Large-Scale Logo Dataset for Scalable Logo Classification. AAAI 2020: 6194-6201 (CCF-A, Spotlight)
8. Bing-Kun Bao, **Weiqing Min**, Jitao Sang, Changsheng Xu. Multimedia news digger on emerging topics from social streams. ACM Multimedia 2012: 1357-1358
9. Bing-Kun Bao, **Weiqing Min**, Ke Lu, Changsheng Xu. Social event detection with robust high-order co-clustering. International Conference on Multimedia Retrieval (ICMR) 2013: 135-142

专利(Patent)

1. 徐常胜 闵巍庆 鲍秉坤. 基于互联网跨媒体地标的历史事件提取及相关图片的搜索方法. 授权号 ZL201210592957.0, 授权时间 2015 (Chinese Patent)
2. 徐常胜 闵巍庆 鲍秉坤. 一种基于多媒体数据挖掘的地标信息检索方法. 授权号 ZL201310451597.7, 授权时间 2017 (Chinese Patent)
3. 蒋树强 徐瑞邯 闵巍庆 贺志强. 图像标注方法和电子设备. 授权号 ZL201511001231.5, 授权时间 2019 (Chinese Patent)
4. 蒋树强 闵巍庆 刘林虎. 一种训练食品图像分类模型的方法及图像分类方法. 申请号 201911152246.X 申请时间 2019.11.22 (Chinese Patent)
5. 闵巍庆 吕永强 蒋树强. 小样本食品图像识别模型训练方法及食品图像识别方法 申请号: 2019112321612 申请时间 2019.12.5 (Chinese Patent)
6. 闵巍庆 王致岭 蒋树强. 基于多模态信息关联分析的食物推荐方法和系统. 申请号: 201911251785.9 申请时间 2019.12.9 (Chinese Patent)
7. 蒋树强 罗正东 闵巍庆. 一种多尺度融合的食品图像分类模型训练及图像分类方法. 申请号: 2019113737606 申请时间 2020.8.12 (Chinese Patent)
8. 蒋树强 张天予 闵巍庆. 一种第一视角视频行为预测系统及方法. 申请号: 202011059356.4 申请时间 2020.9.30 (Chinese Patent)