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教育背景

| | | |
|-----------------|---------|-----------|
| 2014.09-2018.01 | 清华大学 | 控制工程与科学博士 |
| 2011.09-2014.07 | 中国科学院大学 | 计算机技术硕士 |
| 2008.09-2011.07 | 四川大学 | 软件工程学士 |

工作经历

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|-------------|------------|-----|
| 2018年6月至12月 | 宁夏大学信息工程学院 | 讲师 |
| 2018年12月至今 | 宁夏大学信息工程学院 | 副教授 |

学术兼职

学术团体: CAAI模式识别专委会委员/GSIG视觉大数据专委会委员/CCF多媒体技术专委会委员

期刊审稿人: T-PAMI/T-IP/T-MM/T-IFS/T-CSVT

会议审稿人: CVPR/ACM MM/AAAI/CIKM/ICME/ICIP

研究领域

计算机视觉: 人脸分析、目标检测、三维建模

机器学习: 深度学习、对抗学习、强化学习

研究概况

- 国家自然科学基金(青年项目): 基于深度强化学习的人脸关键点检测, 2019.1-2021.12, 主持
- 中科院“西部之光”青年学者: 面向精准视觉目标检测的深度强化学习方法研究, 2019.1-2021.12 (合作单位: 中科院自动化所模式识别国家重点实验室), 主持
- 宁夏自然科学基金(面上项目): 基于多智能体协同感知的精准人脸关键点定位与跟踪, 2018.9-2020.8, 主持

奖励与荣誉

- 2019年获中国人工智能学会优秀博士论文奖 (全国10人)
- 第十五届宁夏自然科学优秀学术论文一等奖
- 第三批宁夏青年科技托举人才
- 2018年获清华大学优秀博士论文二等奖
- 2018年获清华大学优秀毕业生
- 2017年获清华大学国家奖学金

1. **Hao Liu**, Jiwen Lu*, Minghao Guo, Suping Wu and Jie Zhou. Learning Reasoning-Decision Networks for Robust Face Alignment, IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI), 2019 (长文, SCI一区, IF: 17.73, CCF A类)
2. **Hao Liu**, Jiwen Lu*, Jianjiang Feng and Jie Zhou. Two-Stream Transformer Networks for Video-based Face Alignment, IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI), 2018 (长文, SCI一区, IF: 17.73, CCF A类)
3. **Hao Liu**, Jiwen Lu*, Jianjiang Feng and Jie Zhou. Learning Deep Sharable and Structural Detectors for Face Alignment, IEEE Transactions on Image Processing (T-IP), 2017 (长文, SCI二区, IF: 6.79, CCF A类)
4. **Hao Liu**, Jiwen Lu*, Jianjiang Feng and Jie Zhou. Label-Sensitive Deep Metric Learning for Facial Age Estimation, IEEE Transactions on Information Forensics and Security (T-IFS), 2018 (长文, SCI二区, IF: 6.211, CCF A类)
5. **Hao Liu**, Jiwen Lu*, Jianjiang Feng and Jie Zhou. Ordinal Deep Learning for Facial Age Estimation, IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT), 2018 (长文, SCI二区, IF: 4.046, CCF B类)
6. **Hao Liu**, Jiwen Lu*, Jianjiang Feng and Jie Zhou. Group-Aware Deep Feature Learning for Facial Age Estimation, Pattern Recognition (PR), 2017.(长文, SCI二区, IF: 5.90, CCF B类)
7. Congcong Zhu, **Hao Liu***, Xuehong Sun. Towards Omni-Supervised Face Alignment for Large Scale Unlabeled Videos, AAAI Conference on Artificial Intelligence (AAAI), 2020. (CCF A类)
8. Penghui Sun, **Hao Liu***, Xing Wang, Zhenhua Yu and Suping Wu. Similarity-Aware Deep Adversarial Learning for Facial Age Estimation. IEEE International Conference on Multimedia and Expo (ICME), Oral, 2019. (CCF B类)
9. Jiaqiang Zhang#, Congcong Zhu#, Suping Wu, Zhenhua Yu, Xuehong Sun and **Hao Liu***. Learning Deformable Hourglass Networks (DHGN) for Unconstrained Face Alignment. IEEE International Conference on Image Processing (ICIP), 2019. (CCF C类)
10. Congcong Zhu, Zhenhua Yu, Suping Wu and **Hao Liu***. Dual-Cycle Deep Reinforcement Learning for Stabilizing Face Tracking. IEEE International Conference on Multimedia and Expo (ICME), 2019. (CCF B类)
11. Congcong Zhu, Suping Wu, Zhenhua Yu, Xing Wang and **Hao Liu***. Multi-Agent Deep Collaboration Learning for Face Alignment Under Different Perspectives. IEEE International Conference on Image Processing (ICIP), 2019. (CCF C类)
12. **Hao Liu**, Jiwen Lu*, Jianjiang Feng and Jie Zhou. Ordinal Deep Feature Learning for Facial Age Estimation. IEEE International Conference on Automatic Face and Gesture Recognition (FG), 2017. (CCF C类)
13. **Hao Liu**, Lei Qin*, Zhongwei Cheng and Qingming Huang. Set-based Classification for Person Re-Identification Utilizing Mutual-information. IEEE International Conference on Image Processing (ICIP), 2013. (CCF C类)