



Guan'an Wang

E-mail: guan.wang0706@gmail.com, wangguanan2015@ia.ac.cn

Tel: [China] (+86)15501266509, [UK] (+44)07529904605

WeChat: WGA56930104

Interests:

Computer Vision, Pattern Recognition, Machine Learning

Person Re-Identification, Hashing, Image Retrieval, Generative Adversarial Nets

EDUCATIONS

- ◆ 2019.09 – present | Visiting PhD. Student | Supervisor: Shaogang Gong | School of Electronic Engineering and Computer Science, **Queen Mary University of London (QMUL)**, London, UK.
- ◆ 2015.09 - present | PhD Candidate | Supervisor: Zeng-Guang Hou, Jian Cheng | The State Key Laboratory for Management and Control of Complex Systems, **Institute of Automation, Chinese Academy of Sciences (CAISA)**, Beijing, China.
6 papers (4 CCF-A, 2 CCF-B) published as first author, 1 paper (CCF-A) as co-author, 3 papers under review
- ◆ 2011.09 - 2015.06 | Bachelor degree | School of Information Science and Engineer, **Central South University (CSU)**, Hunan, China.
Ranking 1st of the grade (totally 180+ students)
2014.10 enrolled to CASIA without entrance examination

HONORS

- ◆ **Scholarship of State Scholarship Fund** to the United Kingdom awarded by China Scholarship Council, 2019
- ◆ **Outstanding Graduate** of Hunan Province, China 2015
- ◆ **Outstanding Graduate** of Center South University, 2015
- ◆ **Meritorious Winner** (<10%) in American College Student Mathematical Modeling Contest, 2014
- ◆ **First Prize** in Intelligent Vehicle Contest of Hunan Province, 2014
- ◆ **National Scholarship** (<5%), 2012, 2014
- ◆ **School Principal Scholarship** (< 1%) in Center South University, 2012, 2013, 2014

PUBLICATIONS

- ◆ **Guan'an Wang**, Qinghao Hu, Jian Cheng, Zengguang Hou. "Semi-Supervised Generative Adversarial Hashing for Image Retrieval." In Proceedings of the European Conference on Computer Vision (**ECCV, CCF-B**), 2018.
- ◆ **Guan'an Wang**, Yang Yang, Jian Cheng, Zengguang Hou. "Color-Sensitive Person Re-Identification". In Proceedings of International Joint Conference on Artificial Intelligence (**IJCAI, CCF-A**), 2019.
- ◆ **Guan'an Wang**, Tianzhu Zhang, Jian Cheng, Si Liu, Yang Yang, Zengguang Hou. "RGB-Infrared Cross-Modality Person Re-Identification via Joint Pixel and Feature Alignment". In Proceedings of International Conference on Computer Vision (**ICCV, CCF-A**), 2019.
- ◆ **Guan'an Wang**, Tianzhu Zhang, Yang Yang, Jian Cheng, Jianlong Chang, Xu Liang, Zengguang Hou. "Cross-Modality Paired-Images Generation for RGB-Infrared Person Re-Identification". In Proceedings of The Thirty-Fourth AAAI Conference on Artificial Intelligence (**AAAI, CCF-A**), 2020.
- ◆ **Guan'an Wang***, Shuo Yang*, Huanyu Liu, Zhicheng Wang, Yang Yang, Shuliang Wang, Gang Yu, Erjin Zhou, Jian Sun. "High-Order Information Matters: Learning Relation and Topology for Occluded Person Re-Identification". In Proceedings of Conference on Computer Vision and Pattern Recognition (**CVPR, CCF-A**), 2020. (*equal contribution)
- ◆ **Guan'an Wang**, Yang Yang, Tianzhu Zhang, Jian Cheng, Zengguang Hou, Prayag Tiwari, Hari Mohan Mohan Pandey "Cross-Modality Paired-Images Generation and Augmentation for RGB-Infrared Person Re-Identification". Neural Networks (**SCI, IF>7**). (accepted with minor revise)

- ◆ Zhen-Liang Ni, Gui-Bin Bian, **Guan'an Wang**, Xiaohu Zhou, Zeng-Guang Hou, Hua-Bin Chen, Xiao-Liang Xie. "Pyramid Attention Aggregation Network for Semantic Segmentation of Surgical Instruments". In Proceedings of The Thirty-Fourth AAAI Conference on Artificial Intelligence (**AAAI, CCF-A**), 2020.

ACTIVITIES

- ◆ **Invited Lecturer** of the GAN Theory and Practice in online deep learning course
- ◆ **Reviewer** of IJCAI2021, CVPR2020, AAAI2020, IJCV, ICCV2019, CVPR2019, AAAI2019

SKILLS

- ◆ Programming: Python, Matlab, C, PyTorch, TensorFlow, Latex
- ◆ Research Tools: Pycharm, Viso, Word, PowerPoint