Xiaobin Liu (刘晓滨)

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BRIEF BIO

I received the B.E. degree from Nankai University in 2016. I am currently a fourth year Ph.D. candidate of Peking University. My research interests include deep learning and computer vision, with focus on image retrieval, vehicle and person re-identification, and deep hashing.

EDUCATION BACKGROUND

Peking University, Beijing, China   2016.09-present
Candidate for Ph.D. in Computer Applied Technology
Advisor: Prof. Shiliang Zhang

Nankai University, Tianjin, China   2012.09-2016.06
Bachelor of Engineering in Artificial Science and Technology

PUBLICATIONS

1. **Xiaobin Liu**, Shiliang Zhang. Domain Adaptive Person Re-Identification via Coupling Optimization. ACM MM oral, 2020.
2. **Xiaobin Liu**, Shiliang Zhang, Xiaoyu Wang, Richang Hong, Qi Tian. Group-Group Loss Based Global-Regional Feature Learning for Vehicle Re-Identification. TIP, 2019.
3. **Xiaobin Liu**, Shiliang Zhang, Tiejun Huang, Qi Tian. E2BoWs: An End-to-End Bag-of-Words Model via Deep Convolutional Neural Network for Image Retrieval. Neurocomputing, 2019.
4. Jianzhong He, **Xiaobin Liu**, Shiliang Zhang. EAGER: Edge-Aided imaGe understanding System, ICMR, 2019.
5. **Xiaobin Liu**, Shiliang Zhang, Ming Yang. Self-Guided Hash Coding for Large-Scale Person Re-Identification, MIPR oral, 2019. (Acceptance rate: 19.3%)
6. Shangzhi Teng, **Xiaobin Liu**, Shiliang Zhang, Qingming Huang. SCAN: Spatial and Channel Attention Network for Vehicle Re-Identification, PCM, 2018.
7. Longhui Wei, **Xiaobin Liu**, Jianing Li, Shiliang Zhang. VP-ReID: Vehicle and Person Re-Identification System, ICMR, 2018.
8. **Xiaobin Liu**, Shiliang Zhang, Qingming Huang, Wen Gao. RAM: A Region-Aware Deep Model for Vehicle Re-Identification, ICME, 2018.
9. **Xiaobin Liu**, Shiliang Zhang, Tiejun Huang, Qi Tian. E2BoWs: An End-to-End Bag-of-Words Model via Deep Convolutional Neural Network, China MM, 2017.

PROJECTS

1.	Edge-aided image understanding system	2018.12-2019.02
2.	Vehicle and person re-identification system	2017.08-2018.02

AWARDS

1. Graduate Special Academic Scholarship, Peking University, 2019.
2. Graduate Special Academic Scholarship, Peking University, 2018.
3. Excellence Talents Scholarship, Cooperative Medianet Innovation Center (among top 5 in all second-year Ph.D. students in Institute of Digital Media, Peking University), 2018.

SERVICES

Reviewer for the following journals or conferences:
1. IEEE Transactions on Image Processing (T-IP)
2. IEEE Transactions on Vehicular Technology (T-VT)
3. IEEE Transactions on Circuits and Systems for Video Technology (T-CSVT)
4. IEEE Transactions on Intelligent Transportation Systems (T-ITS)
5. IEEE Journal of Biomedical and Health Informatics (JBHI)
6. IET Computer Vision (IET-CVI)
7. Neurocomputing
8. ISCAS 2020
9. VCIP 2020