

Xiaobin Liu (刘晓滨)

National Engineering Laboratory for Video Technology, Peking University
+86 18810652579 | xbliu.vmc@pku.edu.cn | <https://liu-xb.github.io>

EDUCATION BACKGROUND

Peking University, Beijing, China Candidate for Ph.D. in Computer Applied Technology Advisor: Prof. Shiliang Zhang	2016.09-present
Nankai University, Tianjin, China Bachelor of Engineering in Artificial Science and Technology	2012.09-2016.06

RESEARCH INTERESTS

- Deep Learning for Computer Vision, Multimedia Information Retrieval
- Large-scale image retrieval
 - Deep hashing
 - Vehicle and person re-identification

PUBLICATIONS

1. **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.
2. Jianzhong He, **Xiaobin Liu**, Shiliang Zhang. EAGER: Edge-Aided imaGe understanding System, ICMR Demo, 2019.
3. **Xiaobin Liu**, Shiliang Zhang, Ming Yang. Self-Guided Hash Coding for Large-Scale Person Re-Identification, MIPR, 2019. (Acceptance rate: 19.3%)
4. Shangzhi Teng, **Xiaobin Liu**, Shiliang Zhang, Qingming Huang. SCAN: Spatial and Channel Attention Network for Vehicle Re-Identification, PCM, 2018.
5. Longhui Wei, **Xiaobin Liu**, Jianing Li, Shiliang Zhang. VP-ReID: Vehicle and Person Re-Identification System, ICMR Demo, 2018.
6. **Xiaobin Liu**, Shiliang Zhang, Qingming Huang, Wen Gao. RAM: A Region-Aware Deep Model for Vehicle Re-Identification, ICME, 2018.
7. **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.

AWARDS

1. 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:

1. IEEE Transactions on Vehicular Technology (TVT)
2. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)
3. IET Computer Vision