

# 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>



## 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

---

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

## PUBLICATIONS

---

1. **Xiaobin Liu**, Shiliang Zhang, Xiaoyu Wang, Richang Hong, Qi Tian. Group-Group Loss Based Global-Regional Feature Learning for Vehicle Re-Identification. TIP, 2019.
2. **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.
3. Jianzhong He, **Xiaobin Liu**, Shiliang Zhang. EAGER: Edge-Aided imaGe understanding System, ICMR, 2019.
4. **Xiaobin Liu**, Shiliang Zhang, Ming Yang. Self-Guided Hash Coding for Large-Scale Person Re-Identification, MIPR oral, 2019. (Acceptance rate: 19.3%)
5. Shangzhi Teng, **Xiaobin Liu**, Shiliang Zhang, Qingming Huang. SCAN: Spatial and Channel Attention Network for Vehicle Re-Identification, PCM, 2018.
6. Longhui Wei, **Xiaobin Liu**, Jianing Li, Shiliang Zhang. VP-ReID: Vehicle and Person Re-Identification System, ICMR, 2018.
7. **Xiaobin Liu**, Shiliang Zhang, Qingming Huang, Wen Gao. RAM: A Region-Aware Deep Model for Vehicle Re-Identification, ICME, 2018.
8. **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:

1. IEEE Transactions on Vehicular Technology (TVT)
2. IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)
3. IEEE Journal of Biomedical and Health Informatics (JBHI)
4. IET Computer Vision (IET-CVI)