

Liao Dongping (廖東平)

PhD Student

E-mail : yb97428@umac.mo

Education

- PhD of Computer Science and Technology
Macau University, Macau 2019.08 – present
- Master of Space Engineering
- Major in Pattern Recognition and Intelligent System
- Beihang University, Beijing 2016.09-2019.06
- Bachelor of Space Engineering
- Major in Guidance, Navigation and Control
- Beihang University, Beijing 2012.09-2016.06

Projects

- **Multitask learning framework for fast video understanding (Finished when intern at Baidu Institute of Deep Learning (IDL), Group of Vision Technology)**
- Implementing a multi-task lightweight network for person detection, body segmentation, pose estimation and hand gesture recognition with Caffe.
- Optimizing and deploying trained models on PaddlePaddle.
- Employing adaptive gradient optimization to balance the weight of the four tasks. We achieved about 5% IoU improvement in segmentation task and 7% PCK precision improvement in pose estimation task on single image.

Research Interests

- Video Understanding
- Deep Neural Network Compression
- Multi-agent Reinforcement Learning

Selected Awards & Honors

- The major award for graduate (2016-2018)
- Runner-up of “Gomoku AI Competition” hold by DeepGlint Co, LTD (2018)
- Outstanding academic paper reward for master students (2019)
- Macau PhD Scholarship (2019)