

XIAOXIAO LONG (龙霄潇)

Rm 416, Chow Yei Ching Building, The University of Hong Kong, Pokfulam, Hong Kong
(+86) 17816859790 ◊ xxlong@connect.hku.hk ◊ <https://xxlong.site>

EDUCATION

The University of Hong Kong (HKU) 2018.09 - 2023.08

Ph.D. in Computer Science

Supervisor: Prof. Wenping Wang (IEEE Fellow, ACM Fellow) and Prof. Taku Komura

Research Interests: 3D Vision, Reconstruction, Depth Estimation, Neural Rendering

Zhejiang University (ZJU) 2014.09 - 2018.06

B.S. in Control Science and Engineering

GPA: 90.01/100 Ranking: 5/110

HONORS (SELECTED)

Hong Kong PhD Fellowship Scheme (top 100 PhD students in HK) 2018 - 2023

Computer Science Scholarship of HKU 2018

Scholarship of Zhejiang Province 2016, 2017

Scholarship of Zhejiang University (Top 1%) 2015, 2016, 2017

Supcon Scholarship [Supcon] 2017

PUBLICATIONS

* equal contribution

1. Zongcheng Li*, **Xiaoxiao Long***, Yusen Wang, Tuo Cao, Wenping Wang, Fei Luo, Chunxia Xiao, *NeTO: Neural Reconstruction of Transparent Objects with Self-Occlusion Aware Refraction-Tracing*, [ICCV23]
2. Ziqi Wang, Fei Luo, **Xiaoxiao Long**, Wenxiao Zhang, Chunxia Xiao, *Learning Long-range Information with Dual-Scale Transformers for Indoor Scene Completion*, [ICCV23]
3. Yuan Liu, Peng Wang, Cheng Lin, **Xiaoxiao Long**, Jiepeng Wang, Lingjie Liu, Taku Komura, Wenping Wang, *NeRO: Neural Geometry and BRDF Reconstruction of Reflective Objects from Multiview Images*, [SIGGRAPH23 (journal track)]
4. **Xiaoxiao Long**, Cheng Lin, Lingjie Liu, Yuan Liu, Peng Wang, Christian Theobalt, Taku Komura, Wenping Wang, *NeuralUDF: Learning Unsigned Distance Fields for Multi-view Reconstruction of Surfaces with Arbitrary Topologies*, [CVPR23]
5. **Xiaoxiao Long**, Cheng Lin, Peng Wang, Taku Komura, Wenping Wang, *SparseNeuS: Fast Generalizable Neural Surface Reconstruction from Sparse views*, [ECCV22]
6. Jiepeng Wang, Peng Wang, **Xiaoxiao Long**, Christian Theobalt, Taku Komura, Lingjie Liu, Wenping Wang, *NeuRIS: Neural Reconstruction of Indoor Scenes Using Normal Priors*, [ECCV22]
7. Yuan Liu, Yilin Wen, Sida Peng, Cheng Lin, **Xiaoxiao Long**, Taku Komura, Wenping Wang, *Gen6D: Generalizable Model-Free 6-DoF Object Pose Estimation from RGB Images*, [ECCV22]

8. **Xiaoxiao Long**, Cheng Lin, Lingjie Liu, Wei Li, Christian Theobalt, Ruigang Yang, Wenping Wang, *Adaptive Surface Normal Constraint for Depth Estimation*, [ICCV21]
9. **Xiaoxiao Long**, Lingjie Liu, Wei Li, Christian Theobalt, Wenping Wang, *Multi-view Depth Estimation using Epipolar Spatio-Temporal Networks*, [CVPR21]
10. **Xiaoxiao Long**, Lingjie Liu, Wei Li, Christian Theobalt, Wenping Wang, *Occlusion-Aware Depth Estimation with Adaptive Normal Constraints*, [ECCV20]

EXPERIENCE

Tencent

2022.08 - 2023.01

- Research Intern
- 3D reconstruction of objects with arbitrary topologies

Inceptio Technology

2020.08 - 2021.08

- Research Intern **Advisor:** Prof. Ruigang Yang
- Depth estimation

UCLA, Medical Image Center

2017.07 - 2017.09

- Research Intern **Advisor:** Prof. Debiao Li
- 3D segmentation of medical images

TEACHING

Teaching Assistant:

- | | |
|--|--------------------|
| COMP3278 Introduction to database management systems | [Section 2B, 2018] |
| COMP3359 Artificial Intelligence Applications | [Section 2A, 2019] |
| COMP3270 Artificial intelligence | [Section 1A, 2021] |

CONFERENCE/JOURNAL REVIEWER

- International Conference on Computer Vision and Pattern Recognition (**CVPR**)
- International Conference on Computer Vision (**ICCV**)
- IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**)
- IEEE Transactions on Graphics (**TOG**)
- IEEE Transactions on Image Processing (**TIP**)
- IEEE Transactions on Mobile Computing
- Computational Visual Media
- Information Fusion
- Neurocomputing
- Pattern Recognition
- Multidimensional Systems and Signal Processing
- Machine Vision and Applications