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 - present*
Ph.D. Candidate in Computer Science
Supervisor: Prof. Wenping Wang (IEEE Fellow, ACM Fellow)
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*, [**ARXIV23**]

2. **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**]

3. **Xiaoxiao Long**, Cheng Lin, Peng Wang, Taku Komura, Wenping Wang, *SparseNeuS: Fast Generalizable Neural Surface Reconstruction from Sparse views*, [**ECCV22**]

4. **Xiaoxiao Long**, Cheng Lin, Lingjie Liu, Wei Li, Christian Theobalt, Ruigang Yang, Wenping Wang, *Adaptive Surface Normal Constraint for Depth Estimation*, [**ICCV21**]

5. **Xiaoxiao Long**, Lingjie Liu, Wei Li, Christian Theobalt, Wenping Wang, *Multi-view Depth Estimation using Epipolar Spatio-Temporal Networks* , [**CVPR21**]

6. **Xiaoxiao Long**, Lingjie Liu, Wei Li, Christian Theobalt, Wenping Wang, *Occlusion-Aware Depth Estimation with Adaptive Normal Constraints*, [**ECCV20**]

7. Jiepeng Wang, Peng Wang, **Xiaoxiao Long**, Christian Theobalt, Taku Komura, Lingjie Liu, Wenping Wang, *NeuRIS: Neural Reconstruction of Indoor Scenes Using Normal Priors*, [**ECCV22**]

8. 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**]

9. 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), conditional accept**]

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 Graphics **(TOG)**

- IEEE Transactions on Image Processing **(TIP)**

- Information Fusion

- Neurocomputing

- Pattern Recognition

- Multidimensional Systems and Signal Processing

- Machine Vision and Applications