RUIHUI LI

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Address: Rm 902, SHB, The Chinese University of Hong Kong, Shatin, Hong Kong.

EDUCATION

The Chinese University of Hong Kong (CUHK) 08/2017 - Present
Ph.D. in Computer Science and Engineering
Advisor: Prof. Chi-Wing Fu

Hunan University (HNU), China 09/2014 - 07/2017
M. Sc. in Computer Science and Technology
GPA: 3.6/4.0

Hunan University (HNU), China 09/2010 - 07/2014
B.Eng. in Computer Science and Technology
GPA: 3.5/4.0

RESEARCH INTERESTS

3D Vision, Point Cloud Processing, Computer Graphics and Deep Learning.

AWARDS AND HONORS

National Scholarships (the **highest** scholarship for graduate students in China) 2016
Second Prize in Intel Cup Undergraduate Electronic Design Contest 2014
Gold Award of Pan-Pearl-River-Delta University IT Project Competition in China 2014
First Prize Undergraduate Scholarship 2011&2012&2013
Award of Pacemaker to Merit Student 2011

PUBLICATIONS

Conference:

[C3] *PointAugment: an Auto-Augmentation Framework for Point Cloud Classification*
Ruihui Li, Xianzhi Li, Pheng-Ann Heng, and Chi-Wing Fu
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2020. (**Oral**)

[C2] *PU-GAN: a Point Cloud Upsampling Adversarial Network*
Ruihui Li, Xianzhi Li, Chi-Wing Fu, Daniel Cohen-Or, and Pheng-Ann Heng
IEEE International Conference on Computer Vision (**ICCV**), 2019.

[C1] *Enhancing Augmented VR Interaction via Egocentric Scene Analysis*
Yang Tian, Chi-Wing Fu, Shengdong Zhao, **Ruihui Li**, Xiao Tang, Xiaowei Hu, and Pheng-Ann Heng
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**Ubicomp**), 2019.

Journal:

[J2] *DNF-Net: a Deep Normal Filtering Network for Mesh Denoising*
Xianzhi Li, **Ruihui Li**, Lei Zhu, Chi-Wing Fu and Pheng-Ann Heng
IEEE Transactions on Visualization and Computer Graphics (**TVCG**, IF:3.780, CCF-A), 2020. (**Oral**)

[J1] *Aggregating Complementary Boundary Contrast with Smoothing for Salient Region Detection*
Ruihui Li, Jianrui Cai, Hanling Zhang and Taihong Wang
The Visual Computer (**TVC**, IF:1.456, CCF-C), 2017.

Manuscripts:

[M2] *Non-Local Part-Aware Point Cloud Denoising*
Chao Huang*, **Ruihui Li***, Xianzhi Li, Pheng-Ann Heng, and Chi-Wing Fu (*joint 1st authors)
Tech report, arXiv, March, 2020.

[M1] *A Rotation-Invariant Framework for Deep Point Cloud Analysis*
Xianzhi Li, **Ruihui Li**, Chi-Wing Fu, Guangyong Chen, Daniel Cohen-Or, and Pheng-Ann Heng
Tech report, arXiv, March, 2020.

TECHNICAL SKILLS

Languages	Python, C/C++, Java, Matlab
Toolkits	OpenGL, TensorFlow, Pytorch

TEACHING ASSISTANT

CSCI 5210 Advanced Topics in Computer Graphics and Visualization	Spring 2020
CSCI 3260 Principles of Computer Graphics	Fall 2018&2019
CSCI3180 Principles of Programming Language	Spring 2019
ENGG1110J Problem Solving by Programming	Spring 2018
CSCI1130 Introduction to Computing Using Java	Fall 2017