

RUIHUI LI

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EDUCATION

Ph.D. in 3D Computer Vision

08/2017 - Present

The Chinese University of Hong Kong (CUHK), Hong Kong, China

Advisor: Prof. Chi-Wing Fu

B.E & M. Sc. in Computer Science and Technology

09/2010 - 07/2017

Hunan University (HNU), Changsha, China

RESEARCH INTERESTS

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

PUBLICATIONS

Conference:

- [C2] *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**, CCF-A), 2020. (**Oral**)
- [C1] *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**, CCF-A), 2019.

Journal:

- [J3] *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.
- [J2] *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.
- [J1] *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
ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (**IMWUT**, IF:3.022, CCF-A), 2019.

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.

AWARDS AND HONORS

National Scholarships (the highest scholarship for graduate students in China)	2016
Second Prize in Intel Cup Undergraduate Electronic Design Contest (Advisor: Xu Cheng)	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

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