RUIHUI LI

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

EDUCATION

Ph.D. in Computer Science   08/2017 - 07/2021 (Expected)
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, Citations: 23), 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**, 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**, 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**, CCF-A), 2019.

Manuscripts under review:

[M2] *Non-Local Part-Aware Point Cloud Denoising*
Chao Huang*, **Ruihui Li***, Xianzhi Li, Pheng-Ann Heng, and Chi-Wing Fu. (*joint 1st authors)
IEEE Transactions on Visualization and Computer Graphics (**TVCG**, CCF-A), 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.
IEEE Transactions on Visualization and Computer Graphics (**TVCG**, CCF-A), 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

CSCI 3180 Principles of Programming Language   Spring 2019

ENGG 1110J Problem Solving by Programming   Spring 2018

CSCI 1130 Introduction to Computing Using Java   Fall 2017