Name: Ming Lu
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I am a researcher at Intel Labs China. My research interests are Deep Learning and Computer Graphics. I am leading the research efforts on developing omni-scale high-performance intelligent data compression and visualization systems.

Education

2009-2013 **Bachelor of Electronic Information Engineering**, *Tianjin University*, China, *Rank: 1/107*.

2013-2019 **Ph.D Candidate of Information and Communication Engineering**, *Tsinghua University*, China, .
Research Topics: 3D Vision, Computer Graphics and Deep Learning

Work Experience

2013/06-2013/09 **Summer Intern**, Institute of Automation, Chinese Academy of Sciences, Beijing.
Research topic: 3D reconstruction based on high-resolution light field images

2014/07-2014/12 **Summer Intern**, NEC Research, China, Beijing.
Research topic: Image classification and object detection based on Deep Convolutional Neural Network

2015/01-2019/10 **Intern**, Intel Lab, China, Beijing.
Research topic: 3D face reconstruction and tracking, image processing based on Deep Convolutional Neural Network

Skills

Basic JAVA, WEBGL

Intermediate PYTHON, LUA

Advanced C,C++,CUDA,OPENGL,TORCH, PYTORCH

Languages

Chinese Mothertongue

English Intermediate *Conversationally fluent*

Publication

[1] **Lu M**, Zhao H, Yao A, et al. Decoder network over lightweight reconstructed feature for fast semantic style transfer[C]//Proceedings of the IEEE International Conference on Computer Vision. 2017: 2469-2477.

[2] **Lu M**, Zhao H, Yao A, et al. A Closed-Form Solution to Universal Style Transfer[C]//Proceedings of the IEEE International Conference on Computer Vision. 2019.

[3] **Lu M**, Xu F, Zhao H, et al. Exemplar-based portrait style transfer[J]. IEEE Access, 2018, 6: 58532-58542.

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[10] Huang X, Huang Z, **Lu M**, et al. A semi-global matching method for large-scale light field images[C]//2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). IEEE, 2016: 1646-1650.

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[14] Wang Z, Yu X, **Lu M**, Xu F, et al. Single Image Based Portrait Relighting via Explicit Multiple Channel Modeling - SIGGRAPH Asia 2020.

[15] Kang Y, Yao A, Wang S, **Lu M**, et al. Explicit Residual Descent for 3D Human Pose Estimation from 2D Joint Locations - BMVC 2020.

[16] Wang Y, Sun F, **Lu M**, Yao A. Learning Deep Multimodal Feature Representation with Asymmetric Multi-layer Fusion - ACM MM 2020.

[17] **Lu M**, et al. On the Importance of Patch Sampling for Single Image Super-Resolution - ICCV'21 Under review.

[18] **Lu M**, et al. Overfitting the Data: Compact Neural Video Delivery via Content-aware Feature Modulation - ICCV'21 Under review.

[19] Zhao H, **Lu M**, et al. Neural Mixed-integer Filtering for Cross Field Estimation from A Single Image - ICCV'21 Under review.

[20] Zhu Z, Li M, **Lu M**, et al. Boosting the Performance of Image Deblurring via Pixel-wise Blurry Degree - ICCV'21 Under review.