CHENYANG LEI

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https://chenyanglei.github.io/

EDUCATION

Hong Kong University of Science and Techonology *August 2018 - Present*
PhD in Department of Computer Science and Engineering
Supervisor: Qifeng Chen

Zhejiang Univeristy *July 2014 - June 2018*
Bachelor of Engineering

PUBLICATIONS

Chenyang Lei is interested in computational photography, video temporal consistency and polarization in computer vision.

- Towards Photorealistic Colorization by Imagination
  Chenyang Lei*, Yue Wu*, Qifeng Chen
  In submission, 2021
- Shape from Polarization for Complex Scenes in the Wild
  Chenyang Lei*, Chenyang Qi*, Jiaxin Xie*, Na Fan, Vladlen Koltun, Qifeng Chen
  In submission, 2021
- Deep Video Prior for Video Consistency and Propagation
  Chenyang Lei, Yazhou Xing, Hao Ouyang, Qifeng Chen
  In submission, 2021. (TPAMI, Minor Revision)
- Robust Reflection Removal with Reflection-free Flash-only Cues
  Chenyang Lei, Qifeng Chen
  CVPR, 2021
- Neural Camera Simulators
  Hao Ouyang*, Zifan Shi*, **Chenyang Lei**, Ka Lung Law, Qifeng Chen
  CVPR, 2021
- Blind Video Temporal Consistency via Deep Video Prior
  Chenyang Lei*, Yazhou Xing*, Qifeng Chen
  NeurIPS, 2020
- Video Depth Estimation by Fusing Flow-to-Depth Proposals
  Jiaxin Xie, **Chenyang Lei**, Zhuwen Li, Li Erran Li, Qifeng Chen
  IROS, 2020
- Polarized Reflection Removal with Perfect Alignment in the Wild
  Chenyang Lei, Xuhua Huang, Mengdi Zhang, Qiong Yan, Wenxiu Sun, Qifeng Chen
  CVPR, 2020
- Fully Automatic Video Colorization with Self Regularization and Diversity
  Chenyang Lei, Qifeng Chen
  CVPR, 2019

AWARDS

- RedBird PhD Scholarship, HKUST, 2021

- SENG Academic Award for Continuing PhD students, HKUST, 2020
- National Scholarship (1/81), 2017
- Outstanding Graduate (Zhejiang University), 2018
- Texas Instruments Scholarship, 2017
- First-Class Scholarship for Outstanding Merits, 2017
- Excellent Student Award, 2016, 2017
- Yongping Scholarship, 2016

WORK EXPERIENCE

MSRA, Beijing Apr 2021 - Present
Research Intern, supervised by Steve Lin, Zhirong Wu and Xiao Sun
Project: Domain-agnostic Contrastive Learning

Sensetime, Hong Kong Aug 2019 - Mar 2020
Research Intern, supervised by Qiong Yan

TEACHING ASSISTANT

- COMP2011: Programming with C++
- COMP 3031: Principle of Programming Languages (Fall 2019)
- COMP 4901J: Deep Learning in Computer Vision (Spring 2019)

SERVICES

Program Committee/Reviewers: CVPR, ICCV, IJCV, TVCG, IJCAI, IROS