

CHENYANG LEI

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<https://chenyanglei.github.io/>

EDUCATION

Hong Kong University of Science and Technology

August 2018 - Present

PhD in Department of Computer Science and Engineering

Supervisor: Qifeng Chen

Zhejiang Univeristy

July 2014 - June 2018

Bachelor of Engineering

GPA Ranking: 5%

PUBLICATIONS

Chenyang Lei is interested in computational photography, video temporal consistency, polarization in computer vision and domain-agnostic self-supervised learning.

- 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
TPAMI, 2021.
- 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 (Ranking 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, TPAMI, IJCV, AACL, TIP, TVCG, IJCAI, IROS