

Jiaying Lin

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EDUCATION

City University of Hong Kong, Hong Kong

- Ph.D. student in Computer Science Sep 2019 – Present

South China University of Technology, Guangzhou, China

- B.Eng. in Computer Science and Technology (Elite Program, **Top 0.4%**) Sep 2015 – Jul 2019

RESEARCH INTEREST

Computer Vision; Computer Graphics

SELECTED PUBLICATIONS

PREPRINTS

- [1] *Rethinking Video Salient Object Ranking*
Jiaying Lin, Huankang Guan, and Rynson W.H. Lau
arXiv, 2022.

JOURNALS

- [1] *Mirror Detection with the Visual Chirality Cue*
Xin Tan, **Jiaying Lin**, Ke Xu, Pan Chen, Lizhuang Ma, Rynson W.H. Lau.
IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**), 2022.

CONFERENCE

- [1] *Learning Semantic Associations for Mirror Detection*
Huankang Guan, **Jiaying Lin**, and Rynson W.H. Lau
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2022.
- [2] *Rich Context Aggregation with Reflection Prior for Glass Surface Detection*
Jiaying Lin, Zebang He, and Rynson W.H. Lau
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021.
- [3] *Progressive Mirror Detection*
Jiaying Lin, Guodong Wang, and Rynson W.H. Lau
IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2020.
- [4] *Coherence and Identity Learning for Arbitrary-length Face Video Generation*
Shuquan Ye, Chu Han, **Jiaying Lin**, Guoqiang Han, and Shengfeng He
International Conference on Pattern Recognition (**ICPR**), 2020
- [5] *An Estimation of Distribution Algorithm for Large-Scale Optimization with Cooperative Co-evolution and Local Search*
Jiaying Lin, Wei-Neng Chen and Jun Zhang
International Conference on Neural Information Processing (**ICONIP**), 2018

RESEARCH EXPERIENCE

Computer Vision Group, City University of Hong Kong

- Research Assistant 01 Sep 2019 – Present

CUHK Cyber-Physical Memory System Group, The Chinese University of Hong Kong

- Research Assistant 01 Feb 2019 – 01 May 2019

HKU Systems Software Group, The University of Hong Kong

- Research Assistant 15 Jul 2018 – 31 Oct 2018

SERVICES

Journal Reviewer, TIP, TCSVT

Conference Reviewer, CVPR 2022, ECCV 2022

TEACHING

Introduction to Computer Studies (CS1102), Virtual Reality (CS4188/CS5188)

Machine Learning (CS4487), Multimedia Technologies and Applications (CS4185)

AWARDS & SCHOLARSHIPS

Postgraduate Scholarship, City University of Hong Kong

2019 – 2023

Student Scholarship, South China University of Technology

2015 – 2019

Elite Student Program, South China University of Technology (**Top 0.4%**)

2015 – 2019

LANGUAGES

English, Mandarin, Cantonese.