

FA-TING HONG

Hong Kong University of Science and Technology, HK, China

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EDUCATION

Hong Kong University of Science and Technology *Aug. 2021 - Jul. 2025(Expected)*

- Research Interests: Scene Understanding, Talking-Head Generation
- Supervisor: Prof. Dan XU

Sun Yat-sen University *Aug. 2018 - Jul. 2021*

- M.Sc. in Computer Science and Technology
- Research Interests: Video Understanding & Scene Understanding
- Supervisor: Prof. Wei-Shi Zheng

South China University of Technology *Aug. 2014 - Jul. 2018*

- B.Sc in Computer Science and Technology
- Research Interests: SLAM of Robots
- Supervisor: Prof. Sheng Bi

EXPERIENCE

Applied Research Center (ARC), PCG, Tencent *May. 2020 - Jun. 2021*

- Research Intern, Temporal Action Localization
- Supervisor: Dr. Ying Shan

PUBLICATIONS

- Yu-Kun Qiu, **Fa-Ting Hong**, Wei-Hong Li, and Wei-Shi Zheng, “Learning Relation Models to Detect Important People in Still Images”, *TMM* 2022. (**Under review**)
- **Fa-Ting Hong**, Longhao Zhang, Li Shen, and Dan Xu, “Depth-Aware Generative Adversarial Network for Talking Head Video Generation”, *CVPR* 2022.
- **Fa-Ting Hong**, Jia-Chang Feng, Dan Xu, Ying Shan, and Wei-Shi Zheng, “Cross-modal Consensus Network for Weakly Supervised Temporal Action Localization”, *ACM MM* 2021, Chengdu, China.
- **Fa-Ting Hong**, Xuan-Teng Huang, Wei-Hong Li and Wei-Shi Zheng, “MINI-Net: Multiple Instance Ranking Network for Video Highlight Detection”, *ECCV* 2020, Glasgow, UK.
- **Fa-Ting Hong***, Wei-Hong Li*, and Wei-Shi Zheng, “Learning to Detect Important People in Unlabelled Images for Semi-supervised Important People Detection”, *CVPR* 2020, Seattle, USA.
- Wei-Hong Li*, **Fa-Ting Hong***, and Wei-Shi Zheng, “Learning to Learn Relation for Important People Detection in Still Images”, *CVPR* 2019, Long Beach, USA. (***Equal first author**)
- Jia-Chang Feng, **Fa-Ting Hong**, and Wei-Shi Zheng, “MIST: Multiple Instance Self-Training Framework for Video Anomaly Detection”, *CVPR* 2021, Virtual, USA.
- Ling-An Zeng, **Fa-Ting Hong**, Wei-Shi Zheng, Qi-Zhi Yu, Wei Zeng, Yao-Wei Wang, and Jian-Huang Lai, “Hybrid Dynamic-static Context-aware Attention Network for Action Assessment in Long Videos”, *ACM MM* 2020, Seattle, USA.
- Yuhong Liang, **Fa-Ting Hong**, Qinjie Lin, Sheng Bi, and Liqian Feng, “Optimization of Robot Path Planning Parameters Based on Genetic Algorithm”, in IEEE International Conference on Real-time Computing and Robotics (*RCAR*) 2017, Okinawa, Japan.

AWARDS

- Chinese Graduate Student National Scholarship, by Minister of Education of China, 2020
- First-class Scholarship for Graduate Students, by Graduate School of Sun Yat-sen University, 2019
- Chinese National Scholarship (1/80), by Minister of Education of China, 2017
- Chinese National Inspirational Scholarship(5/80), by Minister of Education of China, 2016
- Chinese National Inspirational Scholarship(3/80), by Minister of Education of China, 2015

PROJECT

National Innovation and Entrepreneurship Project

2016 - 2018

- Title: Research on Robot Autonomous Navigation Based on Lidar
- Role: Team leader
- Duties included: Mainly conducted research on the local path planning of the robot, which makes the robot avoid obstacles, and walk more smoothly in different environments. In particular, we use genetic algorithms to search an optimal parameter set, enabling the robot to act with ideal behaviors in a specific environment.
- Project Acceptance Evaluation: Excellent.

SKILLS

- **Program Languages:** most experienced with Python, Matlab; experienced with C/C++; \LaTeX
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows, MacOS
- **Development Platforms and Softwares:** Pytorch
- **Miscellaneous:** software configuration management, strong verbal and written communication skills, excellent troubleshooting and debugging skills
- **Languages:** Mandarin(native), Cantonese(fluent), English(fluent)

MORE DETAILS

For more information, please visit my personal page at: <https://harlanhong.github.io>.