

# KONG CHENQI

(65)88649291  $\diamond$  chenqi.kong@ntu.edu.sg

School of EEE, 50 Nanyang Ave S2-B4b-13, 639798, Singapore

## EDUCATION & EXPERIENCE

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### Research Fellow at ROSE Lab

*Nov 2023-present*

Nanyang Technological University (NTU), Singapore

Supervisor: Prof. Alex Chichung Kot.

### Research Associate at ROSE Lab

*Jun 2023-Nov 2023*

Nanyang Technological University (NTU), Singapore

Supervisor: Prof. Alex Chichung Kot.

### Ph.D. in Computer Science

*Aug 2019-Jun 2023*

City University of Hong Kong (CityU), Hong Kong, China

GPA: 4.00/4.30. Supervisor: Asso. Prof. WANG Shiqi.

### M.S. in Electrical Engineering & Automation

*Sep 2017-Jul 2019*

Harbin Institute of Technology (HIT), Harbin, China

GPA ranking: 3/143. Supervisor: Prof. LIU Jian.

### B.S. in Photoelectric Information Science & Engineering

*Sep 2013- Jul 2017*

Harbin Institute of Technology (HIT), Harbin, China

GPA ranking: 8/74. Supervisor: Prof. SHI Hongyan.

## PUBLICATIONS

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**Chenqi Kong**, Anwei Luo, Shiqi Wang, Haoliang Li, Anderson Rocha, and Alex C. Kot. “Pixel Inconsistency Modeling for Image Manipulation Localization,” *IEEE Transactions on Pattern Analysis and Machine Intelligence* (TPAMI), 2025.

**Chenqi Kong**, Anwei Luo, Song Xia, Yi Yu, Haoliang Li, and Alex C. Kot. “MoE-FFD: Mixture of Experts for Generalized and Parameter-Efficient Face Forgery Detection,” *IEEE Transactions on Dependable and Secure Computing* (TDSC), 2025.

**Chenqi Kong**, Kexin Zheng, Yibing Liu, Shiqi Wang, Anderson Rocha, and Haoliang Li. “M3FAS: An Accurate and Robust MultiModal Mobile Face Anti-Spoofing System,” *IEEE Transactions on Dependable and Secure Computing* (TDSC), 2024.

**Chenqi Kong**, Kexin Zheng, Shiqi Wang, Anderson Rocha, and Haoliang Li. “Beyond the Pixel World: A Novel Acoustic-based Face Anti-Spoofing System for Smartphones,” *IEEE Transactions on Information Security and Forensics* (TIFS), 2022.

**Chenqi Kong**, Baoliang Chen, Haoliang Li, Shiqi Wang, Anderson Rocha, and Sam Kwong. “Detect and Locate: Exposing Face Manipulation by Semantic and Noise-level Telltales,” *IEEE Transactions on Information Security and Forensics* (TIFS), 2022.

**Chenqi Kong**, Baoliang Chen, Wenhan Yang, Haoliang Li, Peilin Chen, and Shiqi Wang. “Appearance Matters, So Does Audio: Revealing the Hidden Face via Cross-Modality Transfer,” *IEEE Transactions on Circuits and Systems for Video Technology* (TCSVT), 2021.

Qiangqiang Wu, Yi Yu, **Chenqi Kong\*** (corresponding author), Ziquan Liu, Jia Wan, Haoliang Li, Alex Kot, and Antoni B. Chan. “Temporal Unlearnable Examples: Preventing Personal Video Data from Unauthorized Exploitation by Object Tracking,” *International Conference on Computer Vision (ICCV)*, 2025.

Peijun Bao, **Chenqi Kong\*** (corresponding author), Siyuan Yang, Zihao Shao, Xinghao Jiang, Boon Poh Ng, and Alex C. Kot. “Vid-Morp: Video Moment Retrieval Pretraining from Unlabeled Videos in the Wild,” *International Conference on Computer Vision (ICCV)*, 2025.

**Chenqi Kong**, Shiqi Wang, and Haoliang Li. “Digital and Physical Face Attacks: Reviewing and One Step Further,” *APSIPA Transactions on Signal and Information Processing*, 2023.

**Chenqi Kong**, Haoliang Li, and Shiqi Wang. “Enhancing General Face Forgery Detection via Vision Transformer with Low-Rank Adaptation,” *IEEE International Conference on Multimedia Information Processing and Retrieval*, 2023.

Anwei Luo, **Chenqi Kong**, Jiwu Huang, Yongjian Hu, Xiangui Kang, and Alex C. Kot. “Beyond the Prior Forgery Knowledge: Mining Critical Clues for General Face Forgery Detection,” *IEEE Transactions on Information Security and Forensics (TIFS)*, 2023.

Keyang Zhang, **Chenqi Kong**, Shiqi Wang, Anderson Rocha, and Haoliang Li. “Image Provenance Analysis via Graph Encoding with Vision Transformer,” *IEEE Transactions on Information Security and Forensics (TIFS)*, 2025.

Rizhao Cai, Zitong Yu, **Chenqi Kong**, Haoliang Li, Changsheng Chen, Yongjian Hu, and Alex C. Kot. “S-Adapter: Generalizing Vision Transformer for Face Anti-Spoofing with Statistical Tokens,” *IEEE Transactions on Information Security and Forensics (TIFS)*, 2024.

Yi Yu, Song Xia, Xun Lin, **Chenqi Kong**, Wenhan Yang, Shijian Lu, Yap-peng Tan, and Alex C. Kot. “Towards Model Resistant to Transferable Adversarial Examples via Trigger Activation,” *IEEE Transactions on Information Security and Forensics (TIFS)*, 2025.

Yi Yu, Song Xia, Siyuan Yang, **Chenqi Kong**, Wenhan Yang, Shijian Lu, Yap-peng Tan, and Alex C. Kot. “MTL-UE: Learning to Learn Nothing for Multi-Task Learning,” *International Conference on Machine Learning (ICML)*, 2025.

Hui Liu, Wenya Wang, Hao Sun, Chris Xing Tian, **Chenqi Kong**, Xin Dong, Haoliang Li. “Unraveling the Mechanics of Learning-Based Prompt Retriever for In-Context Learning,” *Meeting of the Association for Computational Linguistics (ACL)*, 2025. (Oral)

Baoliang Chen, Lingyu Zhu, **Chenqi Kong**, Hanwei Zhu, Shiqi Wang, and Li Zhu. “No-Reference Image Quality Assessment by Hallucinating Pristine Features,” *IEEE Transactions on Image Processing (TIP)*, 2022.

Yibing Liu, Haoliang Li, Yangyang Guo, **Chenqi Kong**, Jing Li, and Shiqi Wang. “Rethinking Attention-Model Explainability through Faithfulness Violation Test,” *International Conference on Machine Learning (ICML)*, 2022.

Anwei Luo, Rizhao Cai, **Chenqi Kong**, Yakun Ju, Xiangui Kang, Jiwu Huang, and Alex C. Kot. “Forgery-Aware Adaptive Vision Transformer for Generalized Face Forgery Detection,” *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 2024.

Jiaxing Li, **Chenqi Kong**, Shiqi Wang, and Haoliang Li. “Two-branch Multi-scale Deep Neural Network for Generalized Document Recapture Attack Detection,” *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2023.

Jian Liu, **Chenqi Kong**, Qiang Li, Weisong Zhao, Mengzhou Li, Shan Gao, Chenguang Liu, and Jiubin Tan. “Artifact-free, penetration-adjustable elliptical-mirror-based TIRF microscopy,” *Optics Express (OE)*, 2018.

## Under Review

**Chenqi Kong**, Anwei Luo, Peijun Bao, Haoliang Li, Renjie Wan, Anderson Rocha, and Alex C. Kot. “Open-Set Deepfake Detection: A Parameter-Efficient Adaptation Method with Forgery Style Mixture,” Submitted to *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*, 2025.

Zhaoxu Li, **Chenqi Kong\*** (corresponding author), Yi Yu, Qiangqiang Wu, Xinghao Jiang, Ngai-Man Cheung, Bihan Wen, Alex Kot, and Xudong Jiang. “SAVER: Mitigating Hallucinations in Large Vision-Language Models via Style-Aware Visual Early Revision,” Submitted to *The Association for the Advancement of Artificial Intelligence (AAAI)*, 2025.

Keyang Zhang, **Chenqi Kong**, Hui Liu, Bo Ding, Xinghao Jiang, and Haoliang Li. “Propose and Rectify: A Forensics-Driven MLLM Framework for Image Manipulation Localization,” Submitted to *IEEE Transactions on Information Security and Forensics (TIFS)*, 2025.

Rongxuan Peng, Shunquan Tan, **Chenqi Kong**, Anwei Luo, Alex C. Kot, and Jiwu Huang. “Forensic-sSAM: Toward Robust and Unified Image Forgery Detection and Localization Resisting to Adversarial Attack,” Submitted to *IEEE Transactions on Information Security and Forensics (TIFS)*, 2025.

Kecheng Chen, Tiexin Qin, **Chenqi Kong**, Yan Hong, and Haoliang Li. “Online Test-time Adaptation for Object Detection via Joint Object Entropy Minimization,” Submitted to *IEEE Transactions on Image Processing (TIP)*, 2024.

## Patents

**Chenqi Kong**, Haoliang Li, Shiqi Wang, Kexin Zheng. Echo-FAS: A Novel Acoustic-based Face Anti-Spoofing System for Smartphones, 2022, US Patent.

**Chenqi Kong**, Baoliang Chen, Haoliang Li, Shiqi Wang. A More General And Robust Face Manipulation Detection Approach via Noise Modeling, 2022.

## SELECTED HONORS AND AWARDS

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**National Scholarship** (Top 1%). Ministry of Education of the People’s Republic of China, 2018.

**Gold Medal**. International Exhibition of Inventions, Geneva, 2023.

**Research Tuition Scholarship (RTS)**. Chow Yei Ching School of Graduate Studies, City University of Hong Kong, 2021.

**Outstanding Academic Performance Award (OAPA)**. Chow Yei Ching School of Graduate Studies, City University of Hong Kong, 2021, 2022.

**National Encouragement Scholarship**, Ministry of Education of the People’s Republic of China, 2016.

**First-Class People’s Scholarship**, HIT, (2014, 2015, 2016, 2017, 2018).

**Merit student of Harbin Institute of Technology**, HIT, (2016, 2017).

## PROFESSIONAL SERVICES

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Guest Editor for Electronics

Reviewer for IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

Reviewer for IEEE Transactions on Information Forensics and Security (TIFS)

Reviewer for IEEE Transactions on Dependable and Secure Computing (TDSC)

Reviewer for IEEE Transactions on Image Processing (TIP)

Reviewer for IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)

Reviewer for IEEE Transactions on Multimedia (TMM)  
Reviewer for IEEE Transactions on Cybernetics (TCYB)  
Reviewer for Pattern Recognition (PR)  
Reviewer for IEEE Conference on Computer Vision and Pattern Recognition (CVPR)  
International Conference on Computer Vision (ICCV)  
Reviewer for Neural Information Processing Systems Conference (NeurIPS)  
Reviewer for International Conference on Learning Representations (ICLR)  
Reviewer for International Conference on Machine Learning (ICML)  
Reviewer for ACM Multimedia (ACM MM)  
Reviewer for International Joint Conference on Artificial Intelligence (IJCAI)  
Reviewer for IEEE International Conference on Multimedia and Expo (ICME)  
Reviewer for IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)

## **TEACHING ASSISTANT**

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Introduction to Computer Studies, CS1102, City University of Hong Kong.  
Computer Programming, CS2313, City University of Hong Kong.  
Computer Vision and Image Processing, CS4186, City University of Hong Kong.  
Vision and Image, CS5187, City University of Hong Kong.

## **MISCELLANEOUS**

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### **Selected Courses**

Machine Learning, Vision and Image, Computer Graphics, Research in Computer Science.

### **Programming Skills**

Python, Pytorch, Tensorflow, Matlab, C, Zemax.