

Ling Lo

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EDUCATION

Ph.D. Candidate in Electronics,

2020-present

- Institute of Electronics, National Yang Ming Chiao Tung University, Hsinchu, Taiwan
- Advisor: Prof. Wen-Huang Cheng, Prof. Hong-Han Shuai

B.S. in Electronics Engineering,

2015-2019

- Department of Electronics Engineering, National Chiao Tung University, Hsinchu, Taiwan
- GPA: 3.92 / 4.3

RESEARCH INTEREST

Deep learning in Computer vision and Multimedia

- Robust representation learning
- Image and video and generation
- Emotional and social signal understanding

PUBLICATIONS

- **Ling Lo**, Cheng-Yu Yao, Hong-Han Shuai, Wen-Huang Cheng, "Distraction is All You Need: Memory-Efficient Image Immunization against Diffusion-Based Image Editing," IEEE/CVF Computer Vision and Pattern Recognition Conference (CVPR), 2024
- **Ling Lo**, Bo-Kai Ruan, Hong-Han Shuai, Wen-Huang Cheng, "Modeling Uncertainty for Low-Resolution Facial Expression Recognition," IEEE Transaction on Affective Computing (TAFEC), 2023
- **Ling Lo**, Yi Yao, Hsiu-Hua Chou, Rou-An Chen, Yu-Hsuan Huang, Chien-Chih Chiu, Wan-Hsin Hsueh, Shih-Chieh Huang, Hong-Han Shuai, Wen-Huang Cheng, "DiffAds: An Interactive Platform for Personalized Visual Advertisement Generation," IEEE International Conference on Multimedia and Expo (ICME), 2023
- Chu-Jun Peng, **Ling Lo**, Hongxia Xie, Chien-Chih Chiu, Wan-Hsin Hsueh, Shih-Chieh Huang, Hong-Han Shuai, Wen-Huang Cheng, "FamiPacking: A Diffusion Model for Guiding 3D Bin Packing", IET International Conference on Engineering Technologies and Applications (ICETA), 2023
- Chia-Lin Liu, Lei Chen, **Ling Lo**, Ping-Jui Huang, Hong-Han Shuai, Wen-Huang Cheng, Ching-Hsuan Wang, I-Fan Chou, "FOANet: A Feedback Operation-Attention Network for Single Image Haze Removal," Asia-Pacific Signal and Information Processing Association (APSIPA), 2023
- Hongxia Xie, I-Hsuan Li, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng, "Refining Valence-Arousal Estimation with Dual-Stream Label Density Smoothing," IEEE International Conference on Consumer Electronics (ICCE), 2023
- **Ling Lo**, Hong-Xia Xie, Hong-Han Shuai, Wen-Huang Cheng, "Facial Chirality: From Visual Self-reflection to Robust Facial Feature Learning," IEEE Transaction on Multimedia (TMM), 2022
- Bo-Kai Ruan, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng, "Mimicking the Annotation Processing for Recognizing the Micro Expressions," ACM Multimedia (MM), 2022
- Hong Xia Xie, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng, "An Overview of Facial Micro-Expression Analysis: Data, Methodology and Challenge," IEEE Transaction on Affective Computing (TAFEC), 2022
- Chieh-Yun Chen, **Ling Lo**, Pin-Jui Huang, Hong-Han Shuai, Wen-Huang Cheng, "FashionMirror: Co-attention Feature-remapping Virtual Try-on with Sequential Template Poses," IEEE/CVF International Conference on Computer Vision (ICCV), 2021
- **Ling Lo**, Hong-Xia Xie, Hong-Han Shuai, Wen-Huang Cheng, "Facial Chirality: Using Self-face Reflection to Learn Discriminative Features for Facial Expression Recognition," IEEE International Conference on Multimedia and Expo (ICME), 2021 [**Best Paper Award**]

out of 1327 submissions]

- Hong-Xia Xie, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng, "AU-assisted Graph Attention Convolutional Network for Micro-Expression Recognition," ACM Multimedia (MM), 2020
- **Ling Lo**, Hong-Xia Xie, Hong-Han Shuai, Wen-Huang Cheng, "MER-GCN: Micro Expression Recognition Based on Relation Modeling with Graph Convolutional Network," IEEE27 International Conference on Multimedia Information Processing and Retrieval (MIPR), 2020
- **Ling Lo**, Chia-Lin Liu, Rong-An Lin, Bo Wu, Hong-Han Shuai, Wen-Huang Cheng, "Dressing for Attention: Outfit Based Fashion Popularity Prediction," IEEE International Conference on Image Processing (ICIP), 2019

HONORS AND AWARDS

Scholarships for exceptional doctoral students, National Science and Technology Council, Taiwan	2020-2023
Best Paper Award, IEEE International Conference on Multimedia & Expo (ICME)	2021

ADDITIONAL EXPERIENCES

Web chair, IEEE International Conference on Multimedia & Expo (ICME)	2022
Web chair, ACM International Conference on Multimedia Retrieval (ICMR)	2021
Challenge Organizer, IEEE International Conference on Image Processing (ICIP)	2020
- Read Beyond the Faces: Micro-Expression Recognition Challenge	
R&D Intern, Synopsys Inc., Hsinchu, Taiwan	2019
- Topic: Auto-ML Resource Consumption Estimation	
- Mentor: Dr. Gung-Yu Pan	
Teacher Assistant	2019
- IEE 5737 Machine Learning with Prof. Wen-Huang Cheng, National, Institute of Electronics, National Yang Ming Chiao Tung University	
- IEE 5725 Image Processing with Prof. Wen-Huang Cheng, National, Institute of Electronics, National Yang Ming Chiao Tung University	

TECHNICAL SKILLS

- Languages: Python, MATLAB, C/C++, LaTeX
- Framework: Pytorch, Tensorflow, Keras

LANGUAGE SKILLS

Chinese – Native or bilingual proficiency	
English - Professional working proficiency	(TOFEL IBT:108/120)
Korean – Limited working proficiency	(TOPIK I-Level 2)