

Education

- 2020–Present **PhD Candidate**, *Institute of Electronics*, National Yang Ming Chiao Tung University, Taiwan.
- 2015–2019 : **Bachelor of Engineering**, *Department of Electronics Engineering*, National Yang Ming Chiao Tung University, Taiwan (*Formerly National Chiao Tung University*, Taiwan).
GPA: 3.92/4.30

Research Interest

Computer Vision, Deep Learning

Publications

In Conference Proceedings

- AAAI 2025 **Future Sight and Tough Fights: Revolutionizing Sequential Recommendation with FENRec.**
Yu-Hsuan Huang, **Ling Lo**, Hongxia Xie, Hong-Han Shuai, Wen-Huang Cheng
AAAI Conference on Artificial Intelligence.
- CVPR 2024 **Distraction is All You Need: Memory-Efficient Image Immunization against Diffusion-Based Image Editing.**
Ling Lo, ChengYu Yao, Hong-Han Shuai, Wen-Huang Cheng
IEEE/CVF Conference on Computer Vision and Pattern Recognition.
- MM 2024 **ReCorD: Reasoning and Correcting Diffusion for HOI Generation.**
Jian-Yu Jiang-Lin, Kang-Yang Huang, **Ling Lo**, Yi-Ning Huang, Terence Lin, Jhih-Ciang Wu, Hong-Han Shuai, Wen-Huang Cheng
ACM International Conference on Multimedia.
- ICCE 2024 **Refining Valence Arousal Estimation with Dual-Stream Label Density Smoothing.**
Hongxia Xie, I-Hsuan Li, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng
IEEE International Conference on Consumer Electronics.
- ICMEW 2023 **DiffAds: An Interactive Platform for Personalized visual Advertisement Generation.**
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
IEEE International Conference on Multimedia and Expo Workshop.
- ICETA 2023 **Famipacking: A Diffusion Model for Guiding 3D Bin Packing.**
Chu-Jun Peng, **Ling Lo**, Hongxia Xie, Chien-Chih Chiu, Wan-Hsin Hsueh, Shih-Chieh Huang, Hong-Han Shuai, Wen-Huang Cheng
International Conference on Engineering Technologies and Applications.
- MM 2022 **Mimicking the Annotation Process for Recognizing the Micro-Expression.**
Bo-Kai Ruan, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng
ACM International Conference on Multimedia.
- ICME 2021 **Facial Chirality: Using Self-Face Reflection to Learn Discriminative Features for Facial Expression Recognition.**
Ling Lo, Hongxia Xie, Hong-Han Shuai, Wen-Huang Cheng
IEEE International Conference on Multimedia and Expo.
- (Best Paper Award)

- ICCV 2021 **Fashionmirror: Co-Attention Feature Remapping Virtual Try-on with Sequential Template Poses.**
Chieh-Yun Chen, **Ling Lo**, Pin-Jui Huang, Hong-Han Shuai, Wen-Huang Cheng
IEEE/CVF International Conference on Computer Vision.
- MM 2020 **AU-Assisted Graph Attention Convolutional Network for Micro-Expression Recognition.**
Hongxia Xie, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng
ACM International Conference on Multimedia.
- MIPR 2020 **MER-GCN: Micro-Expression Recognition Based on Relation Modeling with Graph Convolutional Networks.**
Ling Lo, Hongxia Xie, Hong-Han Shuai, Wen-Huang Cheng
IEEE Conference on Multimedia Information Processing and Retrieval.
- ICIP 2019 **Dressing for Attention: Outfit-based fashion Popularity Prediction.**
Ling Lo, Chia-Lin Liu, Rong-An Lin, Bo Wu, Hong-Han Shuai, Wen-Huang Cheng
IEEE International Conference on Image Processing.
- [Journal Articles](#)
- TAC 2023 **Modeling Uncertainty for Low-Resolution Facial Expression Recognition.**
Ling Lo, Bo-Kai Ruan, Hong-Han Shuai, Wen-Huang Cheng
IEEE Transactions on Affective Computing, Volume 15, Pages 198-209
- TSIP 2023 **FOAnet: A Feedback Operation-Attention Network for Single Image Haze Removal.**
Chia-Lin Liu, Lei Chen, **Ling Lo**, Pin-Jui Huang, Hong-Han Shuai, Wen-Huang Cheng, Ching-Hsuan Wang, Fan Chou
APSIPA Transactions on Signal and Information Processing, Volume 12(4)
- TMM 2022 **Facial Chirality: From Visual Self-Reflection to Robust Facial Feature Learning.**
Ling Lo, Hongxia Xie, Hong-Han Shuai, Wen-Huang Cheng
IEEE Transactions on Multimedia, Volume 24, Pages 4275-4284
- TAC 2022 **An Overview of Facial Micro-Expression Analysis: Data, Methodology and Challenge.**
Hongxia Xie, **Ling Lo**, Hong-Han Shuai, Wen-Huang Cheng
IEEE Transactions on Affective Computing, Volume 14, Pages 1857-1875

Research and Work Experience

- Visiting Scholar **Vision and Learning Lab**, *University of California, Merced*, 2024-Present.
- R&D Intern **Synopsys Inc**, *Hsinchu*, Taiwan, 2019.
Project: Auto-ML Resource Consumption Estimation

Professional Activities

- Web Chair IEEE International Conference on Multimedia and Expo, 2022
ACM International Conference on Multimedia Retrieval, 2021
- Organizer Read Beyond the Faces: Micro-Expression Recognition Challenge, IEEE International Conference on Image Processing (ICIP), 2020
- Reviewer International Conference on Computer Vision and Pattern Recognition (CVPR), 2024
European Conference on Computer Vision (ECCV), 2024
ACM Conference on Multimedia (MM), 2022, 2023, 2024
IEEE Conference on Multimedia and Expo (ICME), 2022, 2023, 2024
ACM Conference on Multimedia Asia (MM Asia), 2024

Honors & Awards

- 2020 –2023 **Scholarships for Exceptional Doctoral Students**, National Science and Technology Council, Taiwan

2021 **Best Paper Award**, IEEE International Conference on Multimedia & Expo (ICME)

Teaching Assistantship

2019 **Institute of Electronics**, *National Yang Ming Chiao Tung University*.
IEE 5737: Machine Learning (Fall, 2019)
IEE 5725: Image Processing (Spring, 2019)

Technical Skills

Programming C/C++, Python, MATLAB
Tools/Libraries Pytorch, Tensorflow, Keras, OpenCV

Language Skills

Chinese (Native)
English (Professional Working Proficiency, TOFEL-IBT: 108/120)
Korean (Limited Working Proficiency, TOPIK II-Level 4)

Referees

Dr. Wen-Huang Cheng

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