Department of Computer Science and Information Engineering
Computer Vision, Artificial Intelligence, Machine Learning

My research interests encompass computer vision, machine learning, multimedia, and artificial intelligence, with a strong enthusiasm for developing innovative solutions for real-world challenges. I am dedicated to mentoring highly motivated students and fostering their growth in research and problem-solving.

Techniques used in study
Deep learning; Anomaly detection; Generative models; Semantic scene completion; Trajectory prediction; Knowledge distillation; Face anti-spoofing

Vision-language understanding of CLIP on BEV scene for Trajectory Prediction

Overview of our proposed architecture for 3D Semantic Scene Completion

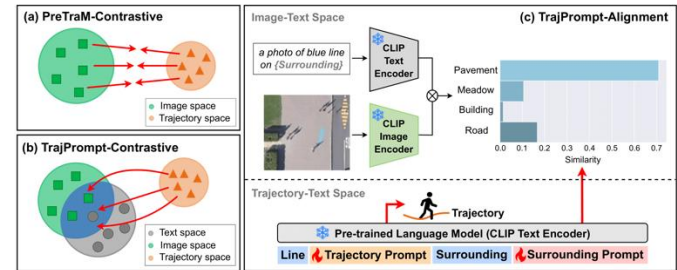**Jhih-Ciang Wu**, Assistant Professor
Computer Vision and Intelligence Lab
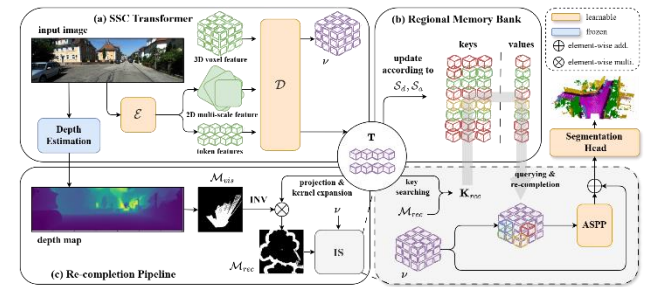https://jhih-ciang.github.io/
jcwu@csie.ntnu.edu.tw
Background:
PhD in Department of Computer Science and Information Engineering, National Taiwan University
Funding:
Ministry of Science and Technology

Publications

- Yu-Wen Tseng, Sheng-Ping Yang, **Jhih-Ciang Wu**, I-Bin Liao, Yung-Hui Li, Hong-Han Shuai, and Wen-Huang Cheng. "Memory-augmented Re-completion for 3D Semantic Scene Completion," AAAI 2025.
- Jian-Yu Jiang-Lin, Kang-Yang Huang, Ling Lo, Yi-Ning Huang, Terence Lin, **Jhih-Ciang Wu**, Hong-Han Shuai, and Wen-Huang Cheng. "ReCorD: Reasoning and Correcting Diffusion for HOI Generation," ACM MM 2024.
- Li-Wu Tsao, Hao-Tang Tsui, Yu Rou Tuan, Pei-Chi Chen, Kuan-Lin Wang, **Jhih-Ciang Wu**, Hong-Han Shuai, and Wen-Huang Cheng. "TrajPrompt: Aligning Color Trajectory with Vision-Language Representations," ECCV 2024.