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Education

National Taipei University of Technology

M.S. in Computer Science and Information Engineering

Sep. 2024 – Present

GPA: 4.0 / 4.0 Overall.

Papers

[1] **Y.-C. Chang***, Y.-X. Lin, Y.-C. Lung, and W. Chien*, "Vision-based Real-time Sign Spelling System for Cross-lingual Translation using Neural Models," *accepted for presentation in Proceedings of the 2025 IEEE International Conference on Computation, Big-Data and Engineering*, Jun. 2025.（第一及通訊作者）

[2] **Y.-C. Chang***, "Pixel-Level Cryptographic Hashing for Image Authentication and Recovery," *accepted for presentation in Proceedings of the 2025 IEEE International Conference on Computation, Big-Data and Engineering*, Jun. 2025.（獨立著作）

[3] **Y.-C. Chang***, H.-Y. Gu, Z.-R. Wu, Z.-Q. Chang, L.-C. Chen, W.-L. Willam Cheong, X.-Y. Lim, and W. Chien*, "Modular Model Stacking Based on YOLO: A Novel Approach for Model Extension Without Retraining," *accepted for presentation in Proceedings of the 2025 IEEE International Conference on Computation, Big-Data and Engineering*, Jun. 2025.（第一及通訊作者）

[4] W.-M. Xie, C.-C. Yang, Z.-Y. Wei, Y.-X. Lin, Y.-C. Lung, L.-Z. Chen, Z.-R. Wu, **Y.-C. Chang***, and W. Chien*, "AI-Driven Analysis of New Energy Technology Development and Strategic Planning in Asia from a Global Perspective," *accepted for presentation in Proceedings of the 2025 IEEE International Conference on Computation, Big-Data and Engineering*, Jun. 2025.（共同通訊作者）

[5] S.-T. Tsai, Z.-R. Wu*, P.-H. Lin, C.-H. Chen, W. Chien, and **Y.-C. Chang***, "Comparative Analysis of Real-time Multi-person Pose Detection in Electrical Industrial Safety Scenarios using YOLOv8-Pose and OpenPose," *in Proc. of 2024 IEEE 4th International Conference on Electronic Communications, Internet of Things and Big Data*, pp. 327-330, Apr. 2024.（共同通訊作者）

[6] S.-T. Tsai, Z.-R. Wu, **Y.-C. Chang***, W.-H Lin, and W. Chien*, "Leveraging Advanced Computer Vision for Hazardous Behavior Monitoring in Campus Safety Maintenance," *in Proc. of 2024 IEEE 4th International Conference on Electronic Communications, Internet of Things and Big Data*, pp. 507-509, Apr. 2024.（共同通訊作者）

[7] S.-T. Tsai, **Y.-C. Chang***, C.-Y. Huang, F.-Y. Yang, W. Chien, and Z.-R. Wu*, "Using Real-time Integrated Computer Vision and Deep Learning for Advanced Factory Safety," *in Proc. of 2024 IEEE 4th International Conference on Electronic Communications, Internet of Things and Big Data*, pp. 647-649, Apr. 2024.（共同通訊作者）

[8] M.-H. Ho, S.-Y. Huang*, **Y.-C. Chang**, and C.-W. Ruo, "An Outdoor Rescue System Using LoRa Communication Network," *presented at the 2023 IEEE 9th International Conference on Applied System Innovation*, Apr. 2023.

[9] **Y.-C. Chang**, H.-W. Tsai*, C.-Y. Huang, and Z.-R. Wu, "Based-on Computer Vision Applications for Bus Stop Passenger Detection Systems, " *in Proc. of 2023 IEEE 3rd International Conference on Electronic Communications, Internet of Things and Big Data*, pp. 152-154, Apr. 2023.（第一作者）

[10] Y.-D. Chen and **Y.-C. Chang***, "AI-DAS: AI-Based Driving Assistance System for Scooters for Traffic Accident Avoidance," *Engineering Proceedings*, vol. 55, no. 1, p. 58, 2023. doi: 10.3390/engproc2023055058, Jun. 2023.（通訊作者）

NSTC Research Grant

Research Project Name	Research Project No.
I-MAS（Intelligent Moto Assistance System）	NSTC 111-2813-C-262-010-E
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