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I. Main Education (學歷)

國立交通大學資訊科學所博士

II. Research Fields (Expertise 研究專長)

虛擬實境、計算機圖學、影像處理

III. Personal Experiences (履經歷):

國立聯合大學資訊工程學系 系主任
國立聯合大學資訊工程學系 教授
國立聯合大學資訊工程學系 副教授
國立聯合大學資訊工程學系 助理教授

IV. Personal Honors (個人榮譽事項)：

GAME 2020 最佳論文獎
IWAIT-IFMIA 2019 最佳論文獎

VI. Publication Papers & Projects (近年發表之論文與研究計劃)

A. Journal Papers

[1] Huei-Yung Lin, Jun-Zhi Zhang, Chin-Chen Chang*, "Image data extraction and driving behavior analysis based on geographic information and driving data," *Electronics*, vol. 12, iss. 13, article 2989, July 2023. (SCI)

[2] Bing-Ting Dong, Huei-Yung Lin, Chin-Chen Chang*, "Driver fatigue and distracted driving detection using random forest and convolutional neural network," *Applied Sciences*, vol. 12, iss. 17, article 8674, September 2022. (SCI)

[3] Der-Lor Way, Rong-Jie Chang, Chin-Chen Chang, Zen-Chung Shih, "A video painterly stylization using semantic segmentation," *Journal of the Chinese Institute of Engineers (JCIE)*, vol. 45, iss. 4, pp. 357-367, May 2022. (SCI)

[4] Cong Hung Do, Huei-Yung Lin, Chin-Chen Chang*, "Improved mobile robot motion planning algorithm based on differential evolution," *Journal of Technology (JOG)*, vol. 36, no. 3, pp. 169-175, September 2021. (EI)

[5] Tien-Wen Yeh, Huei-Yung Lin, Chin-Chen Chang*, "Traffic light and arrow signal recognition based on a unified network," *Applied Sciences*, vol. 11, iss. 17, article 8066, September 2021. (SCI)

[6] Huai-Mu Wang, Huei-Yung Lin, Chin-Chen Chang*, "Object detection and depth estimation approach based on deep convolutional neural networks," *Sensors*, vol. 21, iss. 14, article 4755, July 2021. (SCI)

[7] Po-Yuan Huang, Huei-Yung Lin, Chin-Chen Chang*, "Depth-based rear-obstacle detection approach for driving in the reverse gear," *International Journal of Innovative Computing Information and Control (IJICIC)*, vol. 16, no. 4, pp. 1225-1235, August 2020. (EI)

[8] Yuan-Mau Lo, Chin-Chen Chang*, Der-Lor Way, Zen-Chung Shih, "Generation of stereo images based on a view synthesis network," *Applied Sciences*, vol. 10, iss. 9, article 3101, May 2020. (SCI)

[9] Huei-Yung Lin, Chin-Chen Chang*, Van Luan Tran, Jian-He Shi, "Improved traffic sign recognition for in-car cameras," *Journal of the Chinese Institute of Engineers (JCIE)*, vol. 43, iss. 3, pp. 300-307, March 2020. (SCI)

B. Conference Papers

[1] Jhan-Wei Lina, Chin-Chen Chang*, “A depth estimation approach for outdoor occlusion handling in augmented reality,” in *Proceedings of International Scientific Conference on Engineering and Applied Sciences 2023 (ISCEAS 2023)*, Kyoto, Japan, 23-25 November 2023.

[2] Ping-Hao Peng, Chin-Chen Chang*, “Sand painting generation using style transfer approach,” in *Proceedings of the 9th IEEE International Conference on Applied System Innovation 2023 (IEEE ICASI 2023)*, Tokyo (Chiba), Japan, 21-25 April 2023.

[3] Ping-Hao Peng, Chin-Chen Chang, “Object-based sand painting generation using neural style transfer,” in *Proceedings of the 34th IPPR Conference on Computer Vision, Graphics, and Image Processing (CVGIP2021)*, Online Conference, Taiwan, August 2021.

[4] Tzu-Le Chang, Wei-Cheng Pan, Wen-Kai Tai, Chin-Chen Chang, Der-Lor Way, “Opponent behavior prediction in a multi-player game with imperfect information,” in *Proceedings of 2020 IEEE Graphics and Multimedia (GAME)*, November 17-19, 2020. (Online Conference) (榮獲 GAME 2020 最佳論文獎)

[5] Kuei-Gu Tung, Sheng-Wen Wang, Wen-Kai Tai, Der-Lor Way, Chin-Chen Chang, “Toward human-like billiard AI bot based on backward induction and machine learning,” in *Proceedings of the 2019 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2019)*, Xiamen, China, December 6-9, 2019. (Xiamen University, China)

[6] Yuan-Mau Lo, Chin-Chen Chang*, Der-Lor Way, Zen-Chung Shih, “A stereo images generating system considering both translation and rotation of objects,” in *Proceedings of the 2019 Joint International Workshop on Advanced Image Technology (IWAIT) and International Forum on Medical Imaging in Asia (IFMIA)*, Singapore, January 6-9, 2019. (Nanyang Technological University, Singapore) (榮獲 IWAIT-IFMIA 2019 最佳論文獎)

[7] Wei-Cheng Chang, Der-Lor Way, Chin-Chen Chang, Zen-Chung Shih, “Deep learning based style transfer for video,” in *Proceedings of the 2019 Joint International Workshop on Advanced Image Technology (IWAIT) and International Forum on Medical Imaging in Asia (IFMIA)*, Singapore, January 6-9, 2019. (Nanyang Technological University, Singapore)