## 著作目錄:

## 國外期刊論文

- 1. Ching-Chun Huang, and Hung-Nguyen Manh, "X-ray Enhancement based on Component Attenuation, Contrast Adjustment, and Image Fusion," *IEEE Transactions on Image Processing*, vol. 28, no. 1, pp. 127-141, July 2018.
- 2. Hoang Tran Vu, and Ching-Chun Huang, "Parking Space Status Inference upon a Deep CNN and Multi-task Contrastive Network with Spatial Transform," *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 29, no. 4, pp. 1294-1108, April 2018.
- 3. Ching-Chun Huang, and Hoang Tran Vu, "Vacant Parking Space Detection based on a Multi-layer Inference Framework," *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 27, no. 9, pp. 2041-2054, May 2016. (SCI, SCIE)(DOI:10.1109/TCSVT.2016.2564899)
- 4. Ching-Chun Huang, and Hung-Nguyen Manh, "RSS-based Indoor Positioning based on Multi-dimensional Kernel Modeling and Weighted Average Tracking," *IEEE Sensors Journal*, vol. 16, no. 9, pp. 3231-3245, May 2016. (SCIE)(DOI:10.1109/JSEN.2016.2524537)
- 5. Yen-Yu Wang, Atul Kumar, Kai-Che Liu, Shih-Wei Huang, Ching-Chun Huang, Wei-Chia Su, Fu-Li Hsiao, and Wen-Nung Lie, "Stereoscopic augmented reality for single camera endoscopy: a virtual study," *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization*, vol. 6, pp. 182-191, July 2016.
- 6. Hung Nguyen Manh, Ching-Chun Huang, and Lee Hsiao-Yi, "Landmark-Based Device Calibration and Region-Based Modeling for RSS-Based Localization," *Wireless Communications & Mobile Computing*, vol. 16, pp. 1726-1745, Nov. 2015. (SCIE)(DOI:10.1002/wcm.2647)
- 7. Ching-Chun Huang, Yu-Shu Tai, and Sheng-Jyh Wang, "Vacant Parking Space Detection Based on Plane-based Bayesian Hierarchical Framework," *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 23, pp. 1598-1610, Mar. 2013. (SCI,SCIE)(DOI:10.1109/TCSVT.2013.2254961)
- 8. Ching-Chun Huang and Li-Chun Wang, "Dynamic Sampling Rate Adjustment for Compressive Spectrum Sensing over Cognitive Radio Network," *IEEE Wireless Communications Letters*, vol. 1, pp. 57-60, April 2012. (SCI). NSC 100-2218-E-151-007.
- 9. Ching-Chun Huang, and Sheng-Jyh Wang, "A Bayeisan Hierarchical Framework for Multi-Target Labeling and Correspondence with Ghost Suppression over Multi-Camera Surveillance System," *IEEE Transactions on Automation Science and Engineering*, vol. 9, pp. 16-30, Aug. 2011. (SCI, EI).
- 10. Ching-Chun Huang, and Sheng-Jyh Wang, "A Hierarchical Bayesian Generation Framework for Vacant Parking Space Detection," *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 20, no. 12, pp. 1770-1785, Dec. 2010. (SCI, EI) NSC 97-2221-E-009-132.

## 國外研討會論文 (2016~2019年)

- 1. Hoang Tran Vu, and Ching-Chun Huang, "Domain Adaptation Meets Disentangled Representation Learning and Style Transfer," *IEEE International Conference on Systems, Man, and Cybernetics*, 2019.
- 2. Van Su Huynh, Hoang Tran Vu, and Ching-Chun Huang, "IUML: Inception U-Net Based Multi-Task Learning For Density Level Classification And Crowd Density Estimation," *IEEE International Conference on Systems, Man, and Cybernetics*, 2019.
- 3. Hung Nguyen Manh, and Ching-Chun Huang, "A Robust Multi-Kinect 3D Skeleton Tracking Considering Left-Right Confusion and Self-Occlusion," *IEEE International Conference on Systems, Man, and Cybernetics*, 2019.
- 4. Tzu-Ying Chao, Manh Hung Nguyen and Ching-Chun Huang, "Online Learning for High Accuracy HVAC Control and Energy Saving," *IEEE International Conference on Systems, Man, and Cybernetics*, 2019.
- 5. Ching-Chun Huang, Thanh Phat Nguyen and Chen-Tung Lai, "Learned Prior Information for Image Compression," *CVPR Workshop and Challenge on Learned Image Compression*, June 2019.

- 6. Ching-Chun Huang, Thanh Phat Nguyen and Chen-Tung Lai, "Multi-Channel Multi-Loss Deep Learning Based Compression Model For Color Images," *IEEE International Conference on Image Processing(ICIP)*, Sept. 2019.
- 7. Van Su Huynh, Vu Hoang Tran and Ching-Chun Huang, "DAnet: Depth-Aware Network For Crowd Counting," *IEEE International Conference on Image Processing(ICIP)*, Sept. 2019.
- 8. Tzung-Yan Tsai, Zhe-Yu Lu, and Ching-Chun Huang, "License Plate Recognition System Based on Deep Learning," *International Conference on Consumer Electronics-Taiwan*, May, 2019.
- 9. Xin-Yu Huang, Meng-Shiun Tsai, and Ching-Chun Huang, "3D Virtual-Reality Interaction System," *International Conference on Consumer Electronics Taiwan*, May, 2019.
- 10. You-Feng Wu, Hoang Tran Vu, and Ching-Chun Huang, "Semi-supervised and Multi-task Learning for On-street Parking Space Status Inference," *Multimedia Analysis and Pattern Recognition*, May 2019.
- 11. Po-Hsien Wang, Ting-Ying Wang, Ya-Chu Chang, and Ching-Chun Huang, "Immersive 3D Human-Computer Interaction System," *IEEE International Conference on Consumer Electronics-Taiwan*, 2018.
- 12. Wei-Yuan Lin, Ching-Chun Huang, Hung Nguyen Manh and Nguyen Tran Duc, "Wi-Fi Indoor Localization based on Multi-Task Deep Learning," *IEEE International Conference on Digital Signal Processing*, Nov. 2018.
- 13. Thanh Phat Nguyen, Hoang Tran Vu, and Ching-Chun Huang, "Lane Detection and Tracking based on Fully Convolutional Networks and Probabilistic Graphical Models," *IEEE International Conference on Systems, Man, and Cybernetics*, Oct. 2018.
- 14. Wei-Yuan Lin, Ching-Chun Huang, Hung Nguyen Manh and Nguyen Tran Duc, "Deep Learning-based RSS Indoor Localization," *IEEE Vehicular Technology Society Asia Pacific Wireless Communications Symposium*, Aug. 2018.
- 15. Oscal Tzyh-Chiang Chen, Sung-Nien Yu, Ching-Chun Huang, Huang-Chen Lee, Yu-Ling Hsueh, and Jerry Chih-Yuan Sun, "Mobile Learning System With Context-Aware Interactions And Point-Of-Interest Understanding," *IEEE International Conference on Multimedia and Expo Workshops*, pp. 1-4, July 2018.
- 16. Ching-Chun Huang, Yi-Ning Chuang, Atul Kumar, "3D Object Reconstruction based on Structure from Motion and Shape from Shading," *The 13th Asian Conference on Computer Aided Surgery*, Nov. 2017.
- 17. Yi-Ting Tsai, Shih-Jou Yu, Xin-Yen Chen, Oscal Tzyh-Chiang Chen, Jerry Chih-Yuan Sun, and Ching-Chun Huang, "Personalized Mobile Learning System via Smart Glasses," *International Conference on IoT as a Service*, Sep. 2017.
- 18. Hoang Tran Vu and Ching-Chun Huang, "A Multi-Task Convolutional Neural Network with Spatial Transform for Parking Space Detection," *IEEE International Conference on Image Processing*, Sep. 2017.
- 19. Ching-Chun Huang, Wei-Chi Chan, and Manh Hung Nguyen, "Unsupervised Radio Map Learning for Indoor Localization," *IEEE International Conference on Consumer Electronics-Taiwan*, 2017.
- 20. Hoang Tran Vu, Hung Nguyen Manh, Wei-Chi Chang, Wei-Yuan Lin, Hung-Sheng Cheng, Yi-Ning Chuang and Ching-Chun Huang, "A Hybrid Method for Visitor Localization and Tracking in a Museum Environment," *The 9th IEEE International Conference on Ubi-Media Computing*, Aug. 2016.
- 21. Atul Kumar, Shih-Wei Huang, Yen-Yu Wang, Wan-Chi Hung, Kai-Che Liu, and Ching-Chun Huang, "Laparoscopic Video Augmentation with Infrared Image Information," *IEEE International Conference on Consumer Electronics-Taiwan*, 2016.
- 22. Ching-Chun Huang, Hung Nguyen Manh, and Yu Shiun Wang, "An Self-Adaptive Wireless Indoor Localization System for Device Diversity," *IEEE International Conference on Consumer Electronics-Taiwan*, 2016.
- 23. Ching-Chun Huang, Ming-Xun Cai, and Hoang Tran Vu, "HDR Compression based on Image Matting Laplacian," *IEEE International Conference on Consumer Electronics-Taiwan*, 2016.