五、著作目錄(建議呈現有利於計畫審查之著作目錄，頁數以 2 頁為限)：

期刊論文與專書章節

[1] Y. Shi, W.-H. Kuo, C.-W. Huang, Y.-C. Chou, S.-H. Fang and D.-N. Yang, "Cross-Layer Video Synthesizing and Antenna Allocation Scheme for Multi-View Video Provisioning Under Massive MIMO Networks," *IEEE Transactions on Mobile Computing*, vol. 23, no. 1, pp. 327-340, Jan. 2024.

[2] H.-Y. Chen, M.-H. Wu, T.-W. Yang, C.-W. Huang and C.-F. Chou, "Attention-Aided Autoencoder-Based Channel Prediction for Intelligent Reflecting Surface-Assisted Millimeter-Wave Communications," *IEEE Transactions on Green Communications and Networking*, vol. 7, no. 4, pp. 1906-1919, Dec. 2023.

[3] H.-Y. Chen, M.-H. Wu, T.-W. Yang, J.-W. Liao, C.-W. Huang and C.-F. Chou, "Intelligent Reflecting Surface Enhanced Wireless Communications With MultiHead-Attention Sparse Autoencoder-Based Channel Prediction," *IEEE Communications Letters*, vol. 27, no. 10, pp. 2757-2761, Oct. 2023.

[4] C.-W. Huang, I. Althamary, Y.-C. Chou, H.-Y. Chen and C.-F. Chou, "A DRL-Based Automated Algorithm Selection Framework for Cross-Layer QoS-Aware Scheduling and Antenna Allocation in Massive MIMO Systems," *IEEE Access*, vol. 11, pp. 13243-13256, 2023.

[5] C.-W. Huang and P.-C. Chen, "Joint Demand Forecasting and DQN-Based Control for Energy-Aware Mobile Traffic Offloading," *IEEE Access*, vol. 8, pp. 66588–66597, 2020.

[6] I. Althamary and C.-W. Huang, "Big Data/Machine Learning and D2D," in *Wiley 5G Ref.* Wiley, May 2020, pp. 1–18. (Book Chapter)

[7] C.-W. Huang, "Narrowband Internet of Things," in *Encyclopedia of Wireless Networks*, X. S. Shen, X. Lin, and K. Zhang, Eds. Springer International Publishing, 2020, pp. 960–963. (Book Chapter)

[8] C.-W. Huang, S.-C. Tseng, P. Lin, and Y. Kawamoto, "Radio Resource Scheduling for Narrowband Internet of Things Systems: A Performance Study," *IEEE Network*, vol. 33, no. 3, pp. 108–115, May 2019.

研討會論文

[C1] P.-Y. Chen, Y.-H. Zheng, I. Althamary, J.-L. Chern, and C.-W. Huang, "Multi-Agent Deep Reinforcement Learning for Spectrum Management in V2X with Social Roles," in *IEEE Global Communications Conference (GLOBECOM)*, Kuala Lumpur, Malaysia, Dec. 2023.

[C2] H.-L. Zeng, Z.-T. Huang, and C.-W. Huang, "LARR: A Localization-Assisted Method to Conceal Latency-Induced Position Errors in MR Remote Rendering," in *IEEE International Conference on Communications Workshops (ICC WS)*, Rome, Italy, 2023.

[C3] H.-W. Hsu, Y.-C. Lin, C.-W. Huang, P. Lin and S.-R. Yang, "Reinforcement Learning-Based Grant-Free Mode Selection for O-RAN Systems," in *International Wireless Communications and Mobile Computing (IWCMC)*, Marrakesh, Morocco, pp. 1002-1007, 2023

[C4] X.-W. Chen, J.-Y. Chen, Y.-K. Lin, C.-W. Huang, and J.-L. Chern, "Lightweight Text Spotting for Interactive User Experience in Mixed Reality," in *IEEE International Conference on Consumer Electronics (ICCE)*, Las Vegas, USA, 2023.

[C2] Y.-S. Feng, J.-Y. Chen, H.-C. Wang, C.-W. Huang, and J.-L. Chern, "Learning-Based Gaussian Belief Propagation for Bundle Adjustment in Visual SLAM," in *IEEE Global Communications Conference Workshops (GLOBECOM WS)*, Rio de Janeiro, Brazil, 2022.

[C3] H.-W. Hsu, H.-Y. Chen, Y.-C. Lin, C. X. Huang, T.-J. Wang, and C.-W. Huang, "DQN-Based Link Adaptation as an O-RAN xApp," in *National Symposium on Telecommunication (NST)*, Taipei, Taiwan, 2022. (**Best Paper**)

[C4] Y.-S. Feng, H.-Y. Liu, M.-H. Hsieh, H.-C. Fung, C.-Y. Chang, C.-C. Yu, and C.-W. Huang, "An RSSI-Based Device-Free Localization System for Smart Wards," in *IEEE International Conference on Consumer Electronics-Taiwan (ICCE-TW)*, Penghu, Taiwan, 2021, pp. 1–2.

[C5] I. Althamary, J.-Y. Lin, and C.-W. Huang, "Spectrum Management with Congestion Avoidance for V2X Based on Multi-Agent Reinforcement Learning," in *IEEE Global Communications Conference Workshops (GLOBECOM WS)*, Taipei, Taiwan, Dec. 2020.

[C7] R. Boisguene and C.-W. Huang, "Adaptive Congestion Control for Massive Machine Type Communications in Cellular Network," in *IEEE International Conference on Consumer Electronics - Taiwan (ICCE-Taiwan)*, Taoyuan, Taiwan, Sep. 2020.

[C8] Y. Shi, W.-H. Kuo, C.-W. Huang, Y.-C. Chou, S.-H. Fang, and D.-N. Yang, "Cross-Layer Allocation Scheme for Multi-View Videos in Massive MIMO Networks," in *IEEE International Conference on Communications (ICC)*, Dublin, Ireland, Jun. 2020.

[C9] P.-C. Chen, Y.-C. Chen, W.-H. Huang, C.-W. Huang, and O. Tirkkonen, "DDPG-Based Radio Resource Management for User Interactive Mobile Edge Networks," in *6G Wireless Summit*, Levi, Finland, Mar. 2020, pp. 1–5.

[C10] Y.-H. Chen, Y.-Y. Chen, M.-C. Chen, and C.-W. Huang, "3DVPS: A 3D point cloud-based visual positioning system," in *IEEE International Conference on Consumer Electronics (ICCE)*, vol. 2020-Janua, Las Vegas, USA, Jan. 2020. (**Best Regional Paper**)

[C11] I. Althamary, C.-W. Huang, and P. Lin, "A Survey on Multi-Agent Reinforcement Learning Methods for Vehicular Networks," in *International Wireless Communications and Mobile Computing Conference (IWCMC)*, Jul. 2019, pp. 1154–1159.

[C12] S.-C. Tseng, Z.-W. Liu, Y.-C. Chou, and C.-W. Huang, "Radio Resource Scheduling for 5G NR via Deep Deterministic Policy Gradient," in *IEEE International Conference on Communications Workshops (ICC WS)*, Shanghai, China, May 2019, pp. 1–6.

[C14] I. Althamary, C.-W. Huang, P. Lin, S.-R. Yang, and C.-W. Cheng, "Popularity-Based Cache Placement for Fog Networks," in *International Wireless Communications and Mobile Computing Conference (IWCMC)*, Limassol, Cyprus, Jun. 2018.

[C15] S. Verma, Y. Kawamoto, H. Nishiyama, N. Kato, and C.-W. Huang, "Novel Group Paging Scheme for Improving Energy Efficiency of IoT Devices over LTE-A Pro Networks with QoS Considerations," in *IEEE International Conference on Communications (ICC)*, Kansas City, USA, May 2018. (**Best Paper**)