

# Assistant Professor **WONG, CHI CHONG**

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## Academic Qualification

Ph.D. in Computer Science, University of Macau

## Teaching Area

Computer Graphics and AR/VR

## Research Area

3D Computer Vision, Computer Graphics and AR/VR, Geometric Deep Learning, Perception in Autonomous Driving, Urban Spatial-Semantic Analysis.

## Working Experience

Present: Assistant Professor, Macau University of Science and Technology, Macau SAR

## Academic Publications

1. **C.-C. Wong**, Y. Gan, C.-M Vong. "Efficient Outdoor Video Semantic Segmentation Using Feedback-Based Fully Convolution Neural Network", IEEE Transactions on Industrial Informatics, 16.8 (2019): 5128-5136.
2. **C.-C. Wong**, C.-M Vong, "Efficient Outdoor 3D Point Cloud Semantic Segmentation for Critical Road Objects and Distributed Contexts", Proceedings of the European Conference on Computer Vision (ECCV) (2020).
3. Z. Xu, C.-M Vong, **C.-C. Wong**, Q. Liu, "Ground Plane Context Aggregation Network for Day-and-Night on Vehicular Pedestrian Detection", IEEE Transactions on Intelligent Transportation Systems, (2020), DOI: 10.1109/TITS.2020.2991848.
4. **C.-C. Wong**, C.-M Vong, "Persistent Homology based Graph Convolution Network for Fine-grained 3D Shape Segmentation", Proceedings of the International Conference on Computer Vision (ICCV) (2021).
5. **C.-C. Wong**, C.-M Vong, X. Jiang, Y. Zhou, "Feature-Based Direct Tracking and Mapping for Real-Time Noise-Robust Outdoor 3D Reconstruction Using Quadcopters", IEEE Transactions on Intelligent Transportation Systems, (2022), DOI: 10.1109/TITS.2022.3178879.