CHAOQUN WANG

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Room 104, Control Science and Engineering Building
Shandong University, Shandong Province, China

RESEARCH EXPERIENCE

Professor *2022-Now*

School of Control Science and Engineering, Shandong University

- Supported by **National Overseas High-level Talent Program**.
- Supported by Young Taishan Scholars Program of Shandong Province.
- Supported by Outstanding Young and Middle-aged Scholars Program of Shandong University.

Research Professor *2021-2022*

School of Control Science and Engineering, Shandong University

- Supported by **Qilu Young Scholars Program of Shandong University**.

Postdoctoral Researcher *2019-2020*

PI: Max Q.-H. Meng, Department of Electronic Engineering, The Chinese University of Hong Kong

- Supported by Research Talent Hub Program, Hong Kong Innovation & Technology Commission.
- Developed a world-first autonomous robotic trolley collection system for Hong Kong airport.

Research Engineer *2016-2017*

PI: Clarence de Silva, Department of Mechanical Engineering, University of British Columbia

- Developed an unmanned surface vehicle for autonomous water quality monitoring.
- Implemented informative path planning algorithms on the developed robotic system.

EDUCATION

The Chinese University of Hong Kong *2014-2019*

Ph.D., Electronic Engineering, Hong Kong Phd Fellowship Scheme, Hong Kong SAR

University of British Columbia *2016-2017*

Visiting Research Student, Mechanical Engineering, Global Research Scholarship, CUHK

Shandong University *2010-2014*

B.Eng., Automation Science and Engineering

KEY WORDS

Active Sensing, Embodied AI, Path Planning, Autonomous Exploration, Decision Making, Autonomous Navigation, Deep Learning, Reinforcement Learning

SELECTED SCHOLARSHIPS AND AWARDS

- **Golden Bridge Prize**, Shandong Technology Market Association China, *Oct. 2023*
- **The Capek Prize: Young Scientist Award**, CAMETA China, *May. 2023*
- **Dr. Barbara Kwok Researcher Travel Grants**, *Top 2%*, CUHK *Oct. 2019*
- **Professor Charles K. Kao Student Creativity Awards**, CUHK *May 2019*

- **Hong Kong Phd Fellowship**, *Rank 1/300 worldwide*, Hong Kong SAR *2014-2018*
- **JD Robot Challenge**, *Second Prize, Top 2/300*, JD Ltd *Dec. 2018*
- **JD Robot Challenge**, *Golden Egg Prize*, JD Ltd, China *Dec. 2018*
- **Talent Development Scholarship**, *Top 2%, Three times*, Hong Kong SAR *2015-2017*
- **IROS Travel Grant**, IEEE Robotics and Automation Society *Sept. 2017*
- **Reaching Out Award**, *Top 5%*, CUHK *May 2016*
- **Challenge Cup**, *First Prize*, Hong Kong SAR *July 2016*
- **National Encouragement Scholarship**, *Ministry of Education, PRC, China* *Sept. 2013*
- **National Scholarship**, *Two times, the highest scholarship in PRC, China* *2011,2012*
- **Leader of Excellent Automation Engineering Class**, Shandong Province *Sept. 2013*
- **Mechanical Electronic Design Contest**, *First Prize*, Shandong Province *Sept. 2012*
- **Energy-Saving Emission Reduction Contest**, *First Prize*, SDU *Apr. 2012*

SELECTED PUBLICATIONS

Journals

[1] Wang, X., Wang, Y., Chi, J., Wang, Y., Bai, S., Song, R., **Wang, C.*** (2025). DUAL-LIO: Dual-Inertia aided Lightweight Legged Odometry Using Body Constraints. IEEE Transactions on Instrumentation and Measurement.

[2] Wang Y., Zhang X., Wang Y., **Wang, C.***, et al. Receding-Horizon Path Planning for Risk-free Mapless Navigation in Uneven Terrain. IEEE Transactions on Mechatronics. 2025.

[3] Cai K., Zhang L., Su X., Chen K., **Wang, C.***, et al. Just in time Informed Trees: Manipulability-Aware Asymptotically Optimized Motion Planning. IEEE Transactions on Mechatronics. 2025. Doi: 10.1109/TMECH.2025.3570573.

[4] Wang Y., Ren B., Zhang X., Wang, P., **Wang, C.***, et al. ROLO-SLAM: Rotation-Optimized LiDAR-Only SLAM in Uneven Terrain With Ground Vehicle[J]. Journal of Field Robotics. 2025.

[5] Lang F., Qin Y., Wang Y., Liu J., **Wang, C.***, et al. SELM: From Efficient Autonomous Exploration to Long-term Monitoring in Semantic Level[J]. IEEE Transactions on Cognitive and Developmental Systems. 2025. Doi: 10.1109/TCDS.2025.3531367

[6] Xu, M., Wang, Y., Zhang, X., Mao, D., **Wang, C.***, Song, R., Li, Y. Transformer-based Traversability Analysis for Autonomous Navigation in Outdoor Environments with Water Hazard. IEEE Transactions on Intelligent Vehicles. 2024. Doi: 10.1109/TIV.2024.3419846.

[7] Gao, H., Qiu, Q., Liu, H., Liang, D., **Wang, C.**, Zhang, X. ERPoT: Effective and Reliable Pose Tracking for Mobile Robots Using Lightweight Polygon Maps. IEEE Transactions on Robotics. vol. 41, pp. 3799-3819, 2025.

[8] Wu, J.,**Wang, C.***, et al. On Similarity Transformation Problems: Globally Optimal Results and Applications. IEEE Transactions on Instrumentation and Measurement. vol. 74, pp. 1-14, 2025.

[9] Xue, B., Zhou, F., **Wang, C.**, Gao, M., Yin, L. Robot Mapless Navigation in VUCA Environments via Deep Reinforcement Learning. IEEE Transactions on Industrial Electronics.vol. 72, no. 1, pp. 639-649, Jan. 2025

[10] Jiao, Y., Zhang, B., Jiang, P., **Wang, C.**, Lu, H., Xiong, R., Wang, Y.. 3D Model-Free Visual Localization System From Essential Matrix Under Local Planar Motion. IEEE Transactions on Automation Science and Engineering. vol. 22, pp. 2090-2107, 2025.

[11] Jin, L., Men, Y., Li, F., **Wang, C.**, Tian, X., Li, Y., Song, R. (2024). Ensemble Transfer Strategy Based on Domain Difference for Robot Multiple Peg-in-Hole Assembly. IEEE Transactions on Industrial Electronics.vol. 71, no. 10, pp. 12645-12654, Oct. 2024.

[12] Xie, J., Liu, J. **Wang, C.**, et al. Infusing Multi-Source Heterogeneous Knowledge for Language-Conditioned Segmentation and Grasping. IEEE Transactions on Instrumentation Measurement.vol. 73, pp. 1-11, 2024.

[13] Liu, J., Xie, J., Huang, S., **Wang, C.***, Zhou F.*. Continual Learning for Robotic Grasping Detection with Knowledge Transferring, IEEE Transactions on Industrial Electronics,vol. 71, no. 9, pp. 11019-11027, Sept. 2024

[14] Huang, F., Wen, W., Zhang, J., **Wang, C.**, Hsu, L. T. (2023). Dynamic Object-aware LiDAR Odometry Aided by Joint Weightings Estimation in Urban Areas. IEEE Transactions on Intelligent Vehicles. vol. 9, no. 2, pp. 3345-3359, Feb. 2024.

[15] Fu, T., Bai, Y., Li, C., Li, F., **Wang, C.**, & Song, R. (2023). Human-Robot Deformation Manipulation Skill Transfer: Sequential Fabric Unfolding Method for Robots. IEEE Robotics and Automation Letters.vol. 8, no. 12, pp. 8454-8461, Dec. 2023.

[16] **Wang, C.**, Chen, X., Li, C., Song, R., Li, Y., & Meng, M. Q. H. Chase and track: Toward safe and smooth trajectory planning for robotic navigation in dynamic environments. IEEE Transactions on Industrial Electronics, 70(1), 604-613. Jan. 2023.

[17] Chen, X., Liu, J., Wu, J., **Wang, C.***, & Song, R*. LoPF: An Online LiDAR-Only Person-Following Framework. IEEE Transactions on Instrumentation and Measurement, 71, 1-13. 2022.

[18] Liu, J., Chen, X., **Wang, C.***, Zhang, G., & Song, R.*. A person-following method based on monocular camera for quadruped robots. Biomimetic Intelligence and Robotics, 2(3), 100058. 2022.

[19] Cai K.#, **Wang, C.**#, Song S., et al., & Meng, M. Q. H. Risk-Aware Path Planning Under Uncertainty in Dynamic Environments[J]. Journal of Intelligent & Robotic Systems, 101(3): 1-15. 2021.

[20] Cai, K., Chen, W., **Wang, C.**, Zhang, H., Meng, M. Q. H. Curiosity-based robot navigation under uncertainty in crowded environments. IEEE Robotics and Automation Letters, 8(2), 800-807. 2022.

[21] **Wang, C.**, Cheng,J., Chi,W.,Yan,T.,& Meng, M. Q. H., "Semantic-Aware Informative Path Planning for Efficient Object Search Using Mobile Robot". IEEE Transactions on System, Man, and Cybernetics: Systems. vol. 51, no. 8, pp. 5230-5243, Aug. 2021.

[22] **Wang, C.**, Mai,X. et al. & Meng, M. Q. H. "Coarse-to-Fine Visual Object Catching Strategy Applied in Autonomous Airport Baggage Trolley Collection". IEEE Sensors Journal. vol. 21, no. 10, pp. 11844-11857, 15 May, 2021.

[23] **Wang, C.**, et al.& Meng, M. Q. H.,"Efficient Autonomous Exploration with Incrementally Built Topological Map in 3D Environments". IEEE Transactions on Instrumentation and Measurement. 69(12): 9853-9865. 2020.

[24] Wang Y., Cheng H., **Wang, C.**, et al. Pose-Invariant Inertial Odometry for Pedestrian Localization[J]. IEEE Transactions on Instrumentation and Measurement, 2 70: 1-12. 2021.

[25] **Wang, C.**, & Meng, M. Q. H.,"Stable Autonomous Wheelchair Robot Navigation in the Environments with Slope Way". IEEE Transactions on Vehicular Technology. 2020, vol. 69, no. 10, pp. 10759-10771, Oct. 2020.

[26] **Wang C.**, Chi W., Sun Y. & Meng, M. Q. H., "Autonomous Robotic Exploration by Incremental Road Map Construction". IEEE Transactions on Automation Science and Engineering, vol. 16, no. 4, pp. 1720-1731, Oct. 2019.

[27] **Wang C.**, Zhu, D., Li, T., Meng, M. Q. H., & De Silva, C. W.,"Efficient Autonomous Robotic Exploration with Semantic Road Map in Indoor Environments". IEEE Robotics and Automation Letters, 4(3), pp. 2989-2996. 2019.

[28] **Wang, C.**, Cheng, J., Wang, J., Li, X., & Meng, M. Q. H., "Efficient object search with belief road map using mobile robot". IEEE Robotics and Automation Letters, 3(4), 3081-3088. 2018.

[29] **Wang, C.**, Wang, J., Li, C., Ho, D., Cheng, J., et al., & Meng, M. Q. H.,"Safe and Robust Mobile Robot Navigation in Uneven Indoor Environments". Sensors, 19(13), 2993. 2019.

[30] Li Teng, **Wang, C.**, & Meng, M. Q. H., et al. Attention-Driven Active Sensing With Hybrid Neural Network for Environmental Field Mapping. IEEE Transactions on Automation Science and Engineering, vol. 19, no. 3, pp. 2135-2152, July 2022.

[31] Cheng,J.,**Wang, C.**, et al., & Meng, M. Q. H., "Improving Dense Mapping for Mobile Robots in Dynamic Environment Based on Semantic Information". IEEE Sensors Journal, vol. 21, no. 10, pp. 11740-11747, 15 May15, 2021.

[32] Chi W, **Wang, C.**, Wang J, et al., & Meng, M. Q. H.,"Risk-DTRRT-Based Optimal Motion Planning Algorithm for Mobile Robots". IEEE Transactions on Automation Science and Engineering. vol. 16, no. 3, pp. 1271-1288, July 2019.

[33] Cheng, J., **Wang, C.**, et al., & Meng, M. Q. H., "Robust Visual Localization in Dynamic Environments Based on Sparse Motion Removal". IEEE Transactions on Automation Science and Engineering, 2019.17(2):658 - 669. April 2020

[34] Wang,Y., Cheng, H.,**Wang, C.**,& Meng, M. Q. H. Pose Invariant Inertial Odometry for Pedestrian Localization. IEEE Transactions on Instrumentation & Measurement.vol. 70, pp. 1-12, 2021.

[35] Pan J. Mai X., **Wang, C.**, et al. & Meng, M. Q. H. "A Searching Space Constrained Partial to Full Registration Approach with Applications in Airport Trolley Deployment Robot". IEEE Sensors Journal.vol. 21, no. 10, pp. 11946-11960, 15 May15, 2021

[36] Chen,W., Zhu L.,**Wang, C.**, et al. & Meng, M. Q. H. "CEB-Map: Visual Localization Error Prediction for Safe Navigation". IEEE Sensors Journal. vol. 21, no. 10, pp. 11769-11780, 15 May15, 2021.

[37] Wang, J, Wen, Z., Li, C, **Wang, C.**, & Meng, M. Q. H.,"Neural RRT*: Learning-based Optimal Path Planning". IEEE Transactions on Automation Science and Engineering, 2020. vol. 17, no. 4, pp. 1748-1758, Oct. 2020.

Conferences

[1] Wang,Y., Dong,Y., et al.,**Wang, C.***, Meng, M. Q. H., LLM-Driven Hierarchical Planning: Long-horizon Task Allocation for Multi-Robot Systems in Cross-Regional Environments. In 2025 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Accepted.

[2] Zhang,W., Wang,Y., et al. **Wang, C.***, Capsizing-Guided Trajectory Optimization for Autonomous Navigation with Rough Terrain. In 2025 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), Accepted.

[3] Wang, Y., Du, N., Qin, Y., Zhang, X., Song, R., **Wang, C.***. History-Aware Planning for Risk-free Autonomous Navigation on Unknown Uneven Terrain. In 2024 IEEE International Conference on Robotics and Automation (ICRA). pp. 7583-7589. IEEE,2024.

[4] Chen X, Wang Y, **Wang, C.***, et al. Low-drift LiDAR-only Odometry and Mapping for UGVs in Environments with Non-level Roads. In 2022 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS). pp. 13174-13180. IEEE, 2022

[5] **Wang, C.**, Li, T., Meng, M. Q. H., & De Silva, C., "Efficient Mobile Robot Exploration with Gaussian Markov Random Fields in 3D Environments." In 2018 IEEE International Conference on Robotics and Automation (ICRA), pp. 5015-5021. IEEE, 2018.

[6] **Wang, C.**, Meng L., She S., et al, Max Q.-H. Meng, & De Silva, C., "Autonomous mobile robot navigation in uneven and unstructured indoor environments." In 2017 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), pp. 109-116. IEEE, 2017.

[7] **Wang, C.**, Meng, L., Li, T., De Silva, C. W., & Meng, M. Q. H., "Towards autonomous exploration with information potential field in 3D environments." In 2017 18th International Conference on Advanced Robotics (ICAR), pp. 340-345. IEEE, 2017.

[8] **Wang, C.**, & Meng, M. Q. H., "Variant step size RRT: An efficient path planner for UAV in complex environments." In 2016 IEEE International Conference on Real-time Computing and Robotics (RCAR), pp. 555-560. IEEE, 2016.

[9] **Wang, C.**, Liu, W., & Meng, M. Q. H., " Obstacle avoidance for quadrotor using improved method based on optical flow. " In 2015 IEEE International Conference on Information and Automation (ICIA), pp. 1674-1679. IEEE, 2015.

[10] **Wang, C.**, Liu, W., & Meng, M. Q. H., "A denoising and drift-control approach for UAV trajectory tracking." In 2014 IEEE International Conference on Robotics and Biomimetics (ROBIO 2014), pp. 1714-1718. IEEE, 2014.

[11] **Wang, C.**, & Meng, M. Q. H., "Experimental evaluation of the RT-WMP for typical multi-robot systems in real-life indoor environment." In 2013 IEEE International Conference on Robotics and Biomimetics (ROBIO 2013), pp. 2286-2290. IEEE, 2013.

[12] Lu, Y., **Wang, C.**, Meng, M. Q. H.,"Video-based Contactless Blood Pressure Estimation: A Review" IEEE International Conference on Real-time Computing and Robotics (RCAR). pp. 62-67. IEEE. 2020.

[13] Cai, K., **Wang, C.**, Li, C., Song, S., & Meng, M. Q. H.. "Adaptive Sampling for Human-aware Path Planning in Dynamic Environments." In 2019 IEEE International Conference on Robotics and Biomimetics (ROBIO). pp. 1987-1994. IEEE.

[14] Li, T., **Wang, C.**, Meng, M. Q. H., & de Silva, C. W.,"Coverage Sampling Planner for UAV-enabled Environmental Exploration and Field Mapping." In 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS). IEEE, 2019: 2509-2516.

[15] Li T.,Ho,D.,Li,C., Zhu,D., **Wang, C.**, & Meng, M. Q. H.,"Houseexpo: A large-scale 2d indoor layout dataset for learning-based algorithms on mobile robots" In 2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS). pp. 5839-5846. IEEE.

[16] Zhu, D., Li, T., Ho, D., **Wang, C.**, & Meng, M. Q. H., "Deep reinforcement learning supervised autonomous exploration in office environments." In 2018 IEEE International Conference on Robotics and Automation (ICRA), pp. 7548-7555. IEEE, 2018.

[17] Cheng, J., Sun, Y., Chi, W., **Wang, C.**, Cheng, H., & Meng, M. Q. H., "An accurate localization scheme for mobile robots using optical flow in dynamic environments." In 2018 IEEE International Conference on Robotics and Biomimetics (ROBIO), pp. 723-728. IEEE, 2018.

[18] Zhu, D., Du, Y., Lin, Y., Li, H., **Wang, C.**, Xu, X., & Meng, M. Q. H., "Hawkeye: Open source framework for field surveillance." In 2017 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), pp. 6083-6090. IEEE, 2017.

PATENTS

[1] Chaoqun Wang, Yinchuan Wang, et al., "Deep Learning-Based Autonomous Robot Exploration Method and System", ZL 2022 1 0504426.5, Issued.

[2] Chaoqun Wang, Yachao Wang, et al., "Dynamic Scene Graph-Based Object Searching Method, System, Computer-Readable Storage Medium and Robotic Device",ZL 2024 1 1499158.8, Issued.

[3] Chaoqun Wang, Jin Liu, et al., "Knowledge driven perception based service robot grasping method, system, and robot",ZL 2024 1 1499160.5,Issued.

[4] Chaoqun Wang, Jin Liu, et al.,"Robot behavior planning method, controller, and robot for adaptive grasping tasks",ZL 2024 1 1499164.3, Issued.

[5] Chaoqun Wang, Xinyi Wang, et al., "A quadruped robot positioning method, system, storage medium, and robot", ZL 2024 1 1499159.2, Issued.

[6] Chaoqun Wang, Bin Ren, et al., "Method, device, and robot attitude estimation in non flat terrain", ZL 2024 1 1499165.8, Issued.

[7] Chaoqun Wang, Xuewen Rong, et al., "A Robot Guide Dog System", No. ZL 2021 1 0988030.8, Issued.

[8] Aili Li, Chaoqun Wang, et al. "Trolley pose estimation: method and device", No.ZL202010127 115.2, Issued.

[9] Aili Li, Chaoqun Wang, et al., "Trolley collection method", No. ZL201911274337.0, Issued.

[10] Aili Li, Chaoqun Wang, et al., "Trolley collection robot", No. ZL 201922258697.3, Issued.

[11] Chaoqun Wang, Wei Song, et al., "Scene Graph driven Autonomous Exploration in Office-like environments", First trial.

[12] Chaoqun Wang, Min Xia, et al., "Water quality monitoring using autonomous unmanned surface vehicle", First trial.

[13] Max Q.-H. Meng, Chaoqun Wang, et al., "Autonomous trolley collection robot", No. 16/819973, First trial.

[14] Min Xia, Chaoqun Wang, et al. "Path planning method based on improved hybrid particle filter", No. 202010665446.1, First trial.

PROFESSIONAL ACTIVITIES

Associate Editor

- Biomimetic Intelligence and Robotics
- Frontiers in Robotics and AI
- IEEE International Conference on Robotics and Automation (ICRA)
- IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)

Reviewer

- IEEE Transactions on Robotics
- IEEE Transactions on Field Robotics
- IEEE Transactions on Systems, Man, and Cybernetics, Systems
- IEEE Transactions on Automation Science and Engineering
- IEEE Transactions on Cognitive and Developmental Systems
- IEEE/ASME Transactions on Mechatronics
- IEEE Transactions on Industrial Electronics

- IEEE Transactions on Industrial Informatics
- IEEE Robotics and Automation Letters
- Journal of Intelligent and Robotic Systems
- Intelligent Service Robotics Journal
- International Journal of Advanced Robotic Systems
- IEEE International Conference on Robotics and Automation (ICRA)
- IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)
- IEEE International Conference on Robotics and Biomimetics (ROBIO)
- IEEE International Conference on Information and Automation (ICIA)

Session Chair

- The 42nd Chinese Control Conference (CCC 2023)
- IEEE International Conference on Information and Automation (ICIA)
- IEEE International Conference on Advanced Robotics (ICAR)

Program Committee

- IEEE International Conference on Robotics and Biomimetics (ROBIO)
- IEEE International Conference on Real-time Computing and Robotics (RCAR)
- The 16th International Conference on Computer Science and Education (ICCSE)
- International Conference on Biomimetic Intelligence and Robotics(ICBIR)

GRANT ACTIVITIES & PARTICIPATION

- "History-aware Autonomous Robotic Exploration", RMB 1000,000, PI, funded by National Natural Science Foundation of China, 2023-2025.
- "Embodied Navigation", RMB 750,000, PI, funded by Shandong Government, 2023-2025.
- "Research on Semantic-driven Autonomous Mobile Robot Exploration Methods Towards Dynamic Scenes", RMB 300,000, PI, funded by National Natural Science Foundation of China, 2022-2024.
- "Research on autonomous mobile robot perception based on spatial-temporal Knowledge Graph", RMB 150,000, PI, funded by National Natural Science Foundation of Shandong Province, 2022-2024.
- "An Intelligent Robotic System for Autonomous Airport Passenger Trolley Deployment", HK$ 6,757,124, PI: Max Q.-H. Meng, funded by Innovation and Technology Fund (Innovation and Technology Support Programme), 2018-2020. C. Wang constructed $\sim$ 80% of the grant proposal and worked as team leader for developing the robot system.
- "Development of Scenario Intelligence for Service Robots with Application in Autonomous Untrained Elevator Operations", HK$ 632,421, PI: Max Q.-H. Meng, funded by Hong Kong Research Grants Council, 2018-2021. C. Wang constructed $\sim$ 50% of the grant proposal and participated in this project as a research engineer.

INVITED TALK

- "Embodied Perception and Navigation", The Hong Kong Polytechnic University Hong Kong, China *2025*
- "Active Exploration and Navigation",Chinese Congress on Embodied Intelligence, Shanghai, China *2024*
- "Autonomous Exploration", Chinese Congress on Artificial Intelligence, Fuzhou, China *2023*

- "Autonomous and Embodied Navigation", Jianghuai Lab, Anhui, China *2023*
- "A survey of scene graph and its application in robot navigation", Zhejiang Lab *2022*
- "Autonomous navigation in dense environment with adaptive Model Predictive Control", Shandong University *2020*
- "Development of motion planning algorithms", Shenlan College *2019*
- "Autonomous robotic exploration based on topological road map", Young Scientist Forum in Artificial Intelligence and Smart Manufacturing, Northwestern Polytechnical University *2019*
- "Autonomous obstacle avoidance based on optifical flow", Young Scientist Forum in Artificial Intelligence, Tsinghua University *2018*

TEACHING EXPERIENCE

- Linear Algerba *2021- Now*
  Lecturer, public course, Shandong University
- Robot Operation System (ROS) *2021-Now*
  Lecturer, public course, Shandong University
- Mobile Robot Motion Planning *2019-2020*
  Senior Lecturer, public course, Shenlan College
- ELEG5757 Wearable Bioelectronics *2019-2020*
  Teaching Assistant, postgraduate course, CUHK
- ELEG5757 Wearable Bioelectronics *2018-2019*
  Teaching Assistant, postgraduate course, CUHK
- BMEG3420 Medical Robotics *2017-2018*
  Teaching Assistant, undergraduate course, CUHK
- BMEG4103 Biomedical Modeling *2015-2016*
  Teaching Assistant, undergraduate course, CUHK

REFERENCES

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