

[MUICT-AST] MUICT x Macquarie University: Exploring World's Research Frontiers in
Intelligent Autonomous Systems



Dr. Yuankai Qi

Title	Vision-and-Language Navigation for Embodied AI
Bio	Dr. Yuankai Qi received his Ph.D. degree in computer science from the Harbin Institute of Technology, Harbin, China, in 2018. He is a Lecturer in AI at School of Computing, Macquarie University, Sydney NSW, Australia. He authored/co-authored over 60 papers, and received ACM Multimedia Best Paper Award in 2024, the Australian Pattern Recognition Society (APRS) ECR Award Honourable Mention in 2023. He serves as SPC for IJCAI 2021 and Area Chair for ICLR 2025 and BMVC 2023/2024. He is also a regular reviewer for several prestigious conferences and journals, including CVPR, ICCV, AAI, IJCAI, ICML, ACL, TPAMI, TIP, and PR.
Abstract	Developing smart robots is a long-held goal, which can communicate with we humans via natural language, understand

	<p>visual surroundings, and execute human commands. In this talk, I will introduce several advance we made in this area, specially on vision-and-language navigation, which is an fundamental skill for most of other functions.</p>
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