

## Lecturer LIU, ZIGE

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### Academic Qualification:

2020-present Macau University of Science and Technology, Ph.D. in Intelligent Science and Systems (reading)

2016 - 2018 Shandong University, Master of Electronics and Communication Engineering

2004-2008 Hebei University of Geosciences, Bachelor of Communication Engineering

### Working Experience

- From 2022 to now, Guangdong Nanshan Pharmaceutical Innovation Research Institute, assistant researcher; Information Technology Course, Macau University of Science and Technology, Course Teaching Assistant
- From 2017 to 2022, Singou Robotics(ZhongShan) Ltd., Director of Product and Technical Solutions
- From 2016 to 2017, Inspur Group Digital Media Division, Pre-sales Product Manager
- From 2011 to 2016, Shandong Ranplan Communication Engineering Co., Ltd., Product Manager
- From 2008 to 2011, Comba Telecom (Guangzhou) Co., Ltd. Hebei Branch, Technical Supervisor

### Academic Publication ( selected )

- Zeng, Z., Wu, T., Lin, Z., Luo, L., Lin, Zige Liu, Guan, W., ... & He, J. (2022). Containment of SARS-CoV-2 Delta strain in Guangzhou, China by quarantine and social distancing: a modelling study. Scientific Reports, 12(1), 1-14.
- Hon Chitin, Wang Jianmin, Liu Zige, etc. ( 2021 ) . 《 Vehicle Intelligent Robot White Paper 》

### Patent

- Hon Chitin , Cai Jichen , Liu Zige , etc. , A voice interaction method and system thereof, and voice interaction device , 2020100733402 , Invention Patent
- Hon Chitin , Cai Jichen , Liu Zige , etc. , Voice interaction method and system thereof, and voice interaction device , 2020100732734 , Invention Patent

- **Liu Zige** , System, device and air sterilizer capable of killing novel coronavirus , 202010669199.2 , Utility model patents
- **Liu Zige** , An air sterilizer capable of killing novel coronavirus and an air conditioner with an air sterilizer , 202021370421.0 , Utility model patents
- **Liu Zige** , A kind of ffu device with novel coronavirus killing performance , 202021544419.0 , Utility model patents
- Hon Chitin , Cai Jichen , **Liu Zige** , etc. , A vehicle-mounted voice schedule management device, method, and vehicle-mounted terminal , 202010801701.0 , Invention Patent
- Hon Chitin , Lin Zhijie , **Liu Zige** , etc. , Gas meter character recognition method and system based on Broad Learning System , 202010081614.2 , Invention Patent
- Li Libiao, Hon Chitin , **Liu Zige** , etc. , Method and system for displaying vehicle functions , 201911006848.4 , Invention Patent
- Hon Chitin , Lin Zhijie , **Liu Zige** , etc. , A handwriting recognition method and system based on Broad Learning System , 202010081570.3, Invention Patent
- Li Libiao, Hon Chitin , **Liu Zige** , etc. , 201911425567.2 , Invention Patent
- Li Libiao, Hon Chitin , **Liu Zige** , A vehicle-mounted device login management method and device in a vehicle , 201911006020.9 , Invention Patent
- Hon Chitin , Ran Guangwei , **Liu Zige** , etc. , A corpus update method, its system, and voice control device , 202010073090.2 , Invention Patent
- Hon Chitin , **Liu Zige** , etc. , A perspective method, system and vehicle for blind area of vehicle A-pillar , 202110108643.8 , Invention Patent
- Li Libiao , Hon Chitin , **Liu Zige** , etc. , A method and system for controlling and interacting with voice functions , 201911006097.6 , Invention Patent
- Cai Jichen , Hon Chitin , **Liu Zige** , etc. , A Learning Method of Vehicle Driving Habits Based on Broad Learning System , 202210225149.4 , Invention Patent

### Professional Certification and Awards

- In 2013, intermediate professional title certificate (communication engineering transmission and access major, Ministry of Industry and Information Technology & Ministry of Human Resources and Social Security)
- In 2021, the Guangdong-Hong Kong-Macao Greater Bay Area High-value Patent Layout Competition Excellence Award